### SARDAR PATEL UNIVERSITY

BCA Examination, 1st Semester (CBCS) (Regular& NC)

Maxch 2017 Examination

Saturday, Date: 16th Maxch, 2017

Session: Morning Time: 2:00 P.M. TO 04:00 PM

C

ourse ourse	Code Title:	: US01CBCA01 Fundamentals of Computer Pr	oorai	mming Hoine (C)	
			ograi	Total Marks: 7	0
Q1. 1.		tiple Choice Questions.		[1	OJ
	Α.	X		which of the following language?	
	В.	- Sanga Sanga		. High Language	
2.		Assembly Language converts Assembly langu hine language instructions.	D age i	. All of the above nstructions into equivalent	
	A.	Compiler	C.	Assembler	
	В.	Interpreter		All of the above	
3.	Wha	t is the standard decision sym			
	A.	Diamond		Parallelogram	
	В.	Rectangle	D.	_	
4.		is an example of a valid	varia	able name.	
		sum of digits		amount	
	B.	char		float	
5.	The v	value cannot be changed durin	g pro	ogram execution is known as	e e
	A.	variable	C.	define	
	B.	NULL	D.	constant	
6.	Two	dimensional array requires	_ nu	mber of subscripts/index.	
	Α.	1	C.	2	
7.	B.	3		4	
1.	Strin A.	g end with '\0' , known as NULL			
	В.	blank		symbolic constant escape character	
8.	Array	can be declared ofc			
	A.	float			
•	B.	char		All of the above	
9.		function is available in		header file.	
	A.	process	C.	math	
1	B.	conio	D.	stdio	
0.	Funct	tion parameter is also known a	S	· · · · · · · · · · · · · · · · · · ·	
	A. B.	void	C.	return value	
	₽.	argument	D.	index	

Q2.	Answer the following short questions (Attempt any TEN)	[20]
1.	List categories of Computer Languages.	
2.	What is an editor? List 2 well known editors.	
3.	What is translator? List various translators.	
4.	List all basic data types that can be used in 'C' Program.	
5.	Explain pre-increment and post- increment operator.	
6.	Draw the basic structure of C program.	
7.	Define array. Give 2 examples of one dimensional array.	
8.	Explain the isdigit () function.	
9.	Explain break statement in brief.	
10.	List out any 4 functions of string.h header file.	
11.	Define function? List out the category of function.	
12.	What is difference between Library function and User define functions.	
Q3,	Explain High Level Language and Assembly level Language with list of advantages and disadvantages.	[10]
Q3.	OR  Define Flowchart. Explain all symbols used to draw a flowchart in detail. State advantages of flowchart.	[10]
Q4.a. b.	Explain Relational and Arithmetic operators with example.  Define Variable? State rules for declaring a variable.	[05] [05]
Q4.a.	OR  Explain simple if and ifelse statement in detail with general form,	[05]
b.	description and example.  Explain printf() and scanf() statements with its syntax, description and example.	[05]
Q5.a.	What is One dimensional array? Explain declaration and initialization of One dimensional array with example.	[05]
b.	Explain for loop in detail with general form, description and example.  OR	[05]
Q5.a.	Explain following functions with syntax, purpose and example:	[06]
b.	i) sqrt() ii) pow() iii) isupper() iv) abs() State the purpose of loops. List different looping statements used in 'C'. Write difference between exit and entry controlled loop.	[04]
Q6.a.	Explain function with argument and return value.	[05]
b.	Explain syntax, purpose, description and example of any 2 string handling functions available in string.h header file.	[05]
Q6.a.	OR  Explain in detail Function declaration and Function call statements.	[05]
b.	What is string? Explain declaration and Compile time and Run time initialization of strings in C.	[05]

[20]

(10) Seat Na:

Total No. of Printed Pages: 02

### SARDAR PATEL UNIVERSITY

### BCA (Semester - I) (CBCS) (Reg. & NC)

#### **US01CBCA02: Computer Organization**

		Monday, 20th . Mg3	rch, 2017	
Time	e: 2,.00pm To 5.00pm			Max. Marks: 70
Note	: Figure indicates right side i	s maximum marks for ea	ch question	
Oue:	1 Select an appropriate a	nswer for the following		r407
Que.	Numbers are stored and	•	•	[10]
. •	[A] Binary	[B] ASCII code	[C] Decimal	[ <b>D]</b> Alphanumeric
	2. Which statement is valid			
2.5	[A] 1KB = 1024 by [C] 1 MB = 1000 ki		[ <b>B</b> ] 1 MB=2048 by [ <b>D</b> ] 1 KB = 1000 b	
<i>:</i> .		•	[6] 1 K5 - 1000 L	y ces
47	3. A byte corresponds to	[B] 32 bits	[C] 16 bits	[D] 8 bits
\$ 1	4. ASCII stands for,			
[84 k s	[B] American stand [C] America standa	rd coded information inte ard code for information rd coded interchange info ard coded interchange in	interchange rmation	n North His
\$ . <u></u>	5. Extra bit added to a strii [A] Additional bit		is known as[C] Parity bit	[D] Updation bit
3411	<b>6.</b> Which memory is perma [A] ROM	nent type of memory?  [B] RAM	[C] EPROM	[D] EEPROM
\$ 8 g	7. Cache memory is being  [A] Speed up rate  [C] To reduce the	of data fetching	[B] Reduce rate of [D] None of these	f data fetching
\$ 8	8. Floppy disk is a		[C] Direct access	[D] None of these
	9. Which one is a pointing [A] Scanner	device? [ <b>B</b> ] Keyboard	[C] Mouse	[D] None of these
	10. Which printer gives the [A] Dot-matrix prin [C] Inkjet printer		[B] Laser printer [D] None of these	· -
Que:	2 Answer the following qu	uestions in brief: (Atte	mpt any Ten)	[20]
	1. Define : Software with	examples		<b>" -</b>
	2. List applications of com	puter		
	3. Find Binary and Octal n	umber equivalent to deci	nal 10	
	4. Explain ASCII character	-		
*	5. List steps of Instruction	Execution cycle		

6.	. Explain 1's complement method with exa	Explain 1's complement method with example					
7.	. Explain Cache memory			*			
8.	List stages of pipelining		: -	1.70			
9.	Explain Static ROM						
10	<b>.0.</b> What is Scanner?					1. 20	
11	1.Give two differences between input device	ce and o	utput dev	rice			
12	2 What is keyboard? List types of its keys						

1 114		
Que: 3	[A] Draw and explain Block Diagram of Computer with its functions	[05]
w <sub>ij</sub> .	[B] Explain Hexadecimal Number System. Also Find (ABC) <sub>16</sub> = (?) <sub>2</sub>	[05]
	<u>OR</u> (4.4) (1.4)	
Que: 3	[A] List the generations of computers and explain any two in detail	[05]
	[B] Explain Binary addition and subtraction with suitable example	[05]
Que: 4	[A] Explain Error detection and correction code (Even & Odd Parity bit) with example	[06]
	[B] Explain Excess Notation with example	[04]
	<u>OR</u>	
Que: 4	1 [A] Explain Hamming code method with example	[06]
	[B] Write a note on CPU Organization (Vonn Neumann machine)	[04]
	and the second of the second o	
Que: 5	5 [A] Explain pipelining machine through diagram	[05]
	[B] Explain array processor with diagram	[05]
	<u>OR</u>	
Que: 5	5 [A] Explain Hard Disk with diagram.	[05]
	[B] Write a note on Registers	[05]
Que: 6	5 List all addressing techniques and explain any three of them in detail	[10]
	<u>OR</u>	
Que: 6	6 Explain Printer in detail with all its types	[10]

### Best @f Luck ###

(10) Seat No.:

Total No of Pages: 02

## **SARDAR PATEL UNIVERSITY** BCA IST SEMESTER (NC)

US01CBCA03 || PC SOFTWARE

Date: 21 St | MARCH; 2017 (TUES DAY)

		Time: 2:00 P.M. to 05:00 P.M. Marks: 70	
Q-1		Multiple Choice Questions. [10]	)]
	1	Which is the shortcut key to Print MS WORD Documents?  A. Ctrl+p B. Ctrl+l C. Ctrl+o D. None of this	
	2	Header and Footer option is underMenu.  A. file B. view C. insert D. format	
	3	Which of the following is example of programming language?  A. DOS B. UNIX C. COBOL D. Windows	
	4	The default direction for Search is	
	5	Page margins can be changed in option of File Menu.  A. page setup B. Format Font C. Format Paragraph D. File	
	6	key move the cursor to the next cell in the table.  A. Alt + Tab  B. Tab  C. Shift + Tab  D. Ctrl + Tab	
	7	Excel displays the address of the active cell in the  A. status bar B. tool bar C. formula bar D. worksheet	
	8	A formula always begins with  A. + B. & C. % D. =	
	9	Material consisting of text and numbers is best presented as  A. A table slide B. A bullet slide C. A title slide D. All of the above	
	10	To protect a worksheet, you can choose Protection and the Protect Sheet from themenu  A. Edit B. Tools C. Format D. Data	
Q-2		Answer the following questions (Any Ten). [2	0]
	1	What is Operating system? give 5 examples of Operating System.	•
	2 3	What is Personal Computer? Explain the Find, Replace Operations.	
	4	What is Drop Cap effect?	
	5 6	What is a Column Break? What is Page Break?	
	7	What is Sorting?	
	8	What is Filtering facility	
	9	What is the use of Chart in Excel	
	10	How you can create the presentation?	
	11 12	What is the meaning of formatting slides? write any two use of excel spreadsheet	
	14	write any two use of excerspreadsheet	

Q-3	[A] [B]	What is WORD? Write down the features of word processor.  Explain Editors in detail with more than one example.  OR	[5] [5]
Q-3	[A] [B]	What is word processing? Write the advantage of word processing. Write short note on: Classification of PC software.	[5] [5]
Q-4	[A] [B]	Explain Page Setup Dialog Box MS Word. Explain options available in Table menu of MS Word.  OR	[5] [5]
Q-4	[A] [B]	Explain the advantages of a spreadsheet package. What is Mail Merge? Explain each step in detail.	[5] [5]
Q-5	[A] [B]	Explain Excel Screen. Explain Date Functions with example.  OR	[5] [5]
Q-5	[A] [B]	Explain the filter facility of excel in detail  Explain any three types of simple chart in detail	[5] [5]
Q-6	[A]	How you can insert picture , sounds, and charts in power point slides <b>OR</b>	[10]
Q-6	[A]	What is power point? Describe the views available in power point.	[10]

~~~ Best of Luck ~~~

[9] Seat No. No. of printed pages: 2 SARDAR PATEL UNIVERSITY B.C.A. (I Semester) (NC) Examination 2017 Wednesday, 22<sup>nd</sup> March 2.00 p.m. to 5.00 p.m. **US01CBCA04**: Web Designing Fundamentals Total: 70 Select the correct option for each of the followings: O-110 1 Internet is a collection of \_\_\_\_ (a) Networks of Computers (b) Networks of Networks (c) Networks of Server (d) Networks of Stand Alone PCs Web information is stored in documents which are called\_ 2 (a) Web client (b) Web server (c) Web pages (d) None What is the short - cut key to perform the find operation? 3 (a) Ctrl + F (b) Ctrl + G (c) Ctrl + N (d) Ctrl + E\_\_\_\_\_ and \_\_\_\_\_ are different types of tags. 4 (a) double, single (b) on, off (c) singular, paired (d) None 5 \_\_\_\_\_tag is used to create line break. (a) <brk> (b) < br >(c) <break> (d) None 6 \_\_\_\_\_ is used to display © symbol. (a) © (b) copy (c) &cpy (d) None Ż \_\_\_\_property is used to combine two columns in a table. (a) colspan (b) rowspan (c) rowemb (d) colemb 8 \_\_\_\_tag will create row in a table. (a) <row> (b) (c) (d) > To convert a drop-down list into List box, \_\_\_ attribute is used with <select>. 9 (a) name (b) multiple (c) size (d) value The \_\_\_\_\_ attribute is used to show a label on the button. 10 a) label (b) msg (c) text (d) value Do as directed (Attempt any 10): Q-2 20 1 What is Internet? 2 Explain Internet Addressing in brief. 3 Define Modulation.

How we can display special characters in a web page?

Explain <br > tag with example.

4

| 6   | Explain <font> tag with an example.</font>                                |    |
|-----|---------------------------------------------------------------------------|----|
| 7   | Discuss  tag.                                                             |    |
| 8   | Explain <a> tag in short.</a>                                             |    |
| 9   | List the attributes of <image/> tag.                                      |    |
| 10  | Explain radio button.                                                     |    |
| 11  | Explain checkbox control.                                                 |    |
| 12  | Explain text box control.                                                 |    |
| Q-3 | List and explain the components of a web browser.                         | 10 |
|     | OR                                                                        |    |
| Q-3 | Write a note on services provided by the Internet.                        | 10 |
| Q-4 | Do as directed.                                                           |    |
| A   | Explain structure of HTML.                                                | 5  |
| В   | Explain an ordered list in detail.                                        | 5  |
|     | OR                                                                        |    |
| Q-4 | Do as directed.                                                           |    |
| A   | Explain <body> tag in detail.</body>                                      | 5  |
| В   | Explain an unordered list in detail.                                      | 5  |
| Q-5 | Do as directed.                                                           |    |
| A   | Explain table creation in HTML.                                           | 5  |
| В   | Explain internal and external link in HTML.                               | 5  |
|     | OR                                                                        |    |
| Q-5 | Do as directed.                                                           |    |
| A   | Explain <img/> tag in detail.                                             | 5  |
| В   | Explain <frameset> tag with all associated tag and attributes.</frameset> | 5  |
| Q-6 | Do as directed.                                                           |    |
| A   | Explain <form> tag with all associated attributes.</form>                 | 5  |
| В   | Explain submit and reset button.                                          | 5  |
|     | OR                                                                        |    |
| Q-6 | Do as directed.                                                           |    |
| A   | Explain <select> tag with example.</select>                               | 5  |
| В   | Explain the different views in MS FrontPage.                              | 5  |

# ALL THE BEST



# SARDAR PATEL UNIVERSITY FYBCA First Semester (CBCS) (NC) EXAMINATION 2017

Tuesday, 21<sup>st</sup> March 2.00 p.m. to 5.00 p.m. US01CBCA06 (w.e.f. June 2016) Personal Computer and Software Packages

Total Marks: 70

| Q:   | 1 Sele        | Ct most appropriate cinate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | - 1 P   |
|------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1    |               | ct most appropriate single answer:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | [10]    |
|      |               | Assembly language uses certain predefined symbolic codes which are called as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |
| . A: |               | A. Mnemonics B. Instruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |
|      | 2)            | The is a type of software program that allows users to create and/or manipulate computer files                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
|      | -             | and/or manipulate computer files.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|      |               | A. Operating System R. Computer Contract Computer Contract Computer Contract Contrac |         |
| 78.6 | 3)            | Portrait and Landscape are                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | )       |
|      |               | 7 Gge Olielitation P Danar size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
| 1.3  | 45            | O. Laye layout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
|      | 4)            | VVIIII II II II II A TOMOMOMO tumatimu ii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
|      | E)            | A. F5 B. F7 C. F9 D. Shift + F7 Calc sheet have maximum ofcolumns. A. 1034 B. 1045 C. 1025 D. 1024 Which functions used for returns the factorial of a number?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
|      | 5)            | Calc sheet have maximum of columns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4.4     |
|      |               | A. 1034 B. 1045 C. 1025 D. 1024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
| ()   | (P            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13. v   |
|      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|      | ")            | Which types of charts can calc produce?  A. Line graphs and pie charts only  B. Only line graphs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |
| A    | : 1           | B. Only line and pie charts only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TATE VI |
|      |               | B. Only line graphs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 17      |
| 1,   |               | C. Bar charts, line graphs and pie charts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
|      | 8)            | D. Bar charts and line graphs only To select one hyporlists                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |
|      | ,             | To select one hyperlink after another during a slide presentation, what do you press?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |
|      |               | A Tab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |
|      | 9)            | The spacing between the two lines can be an in D. All of above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
|      |               | A. format - text B format line option.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |
|      |               | C. format - paragraph D format - phornat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |
|      | 10)           | THE POST OF THE POST OF THE PARTY OF THE PAR | 4       |
|      |               | A. Slide show view  C. Presentation view  D. Outline view                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
| Q:2  | 18/           | C. Presentation view D. Outline view                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |
| Q.Z  | AALISE W      | "" Torold III Short, Afremnt Any Tan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 70.01   |
|      | • /           | Explain classification of Personal Computer Software                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | [20]    |
|      | <del>2)</del> | Explain Bold, Underline and Italicize of text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |
|      | 3)            | now can we insert special characters?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |
|      | 7)            | virial are neader and footer?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |
|      | 5)            | What is template?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|      | 6)            | Explain drop caps effect with example.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |
|      | • ,           | Explain ROUND function by taking appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |
|      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|      | - 7           | r macio con inter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|      | 14)           | What is Impress? Describe the views available in Libre Impress.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|      | •=;           | What is the meaning of formatting slides?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
|      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |

### No of Printed Pages :2

| Q:3 | (A)<br>(B) | Explain Bullets and Numbering in Writer. Explain Editors in detail with more than one example.  OR | [6]<br>[4] |
|-----|------------|----------------------------------------------------------------------------------------------------|------------|
| Q:3 | (A)<br>(B) | Draw and Explain parts of the main Writer window.  Explain LibreOffice Writer with its features.   | [6]<br>[4] |
|     | 1.         | ·····································                                                              |            |
| Q:4 | (A)<br>(B) | Explain mail merge in detail. Explain page size and margin in writer.  OR                          | [6]<br>[4] |
| Q:4 | (A)<br>(B) | Explain the Find and Replace Operations. What is table? Write steps to create table in writer.     | [6]<br>[4] |
|     |            |                                                                                                    |            |
| Q:5 | (A)        | List and explain any five Date functions with examples.  CR                                        | [10]       |
| Q:5 | (A)        | Explain the filter facility of Calc in details. Explain the What IF Function.                      | [10]       |
| ٠   |            |                                                                                                    |            |
| 2:6 | (A)        | How you can insert picture, sounds, and charts in Libre Impress slides.                            | [6]        |
|     | (B)        | Explain usage of Libre Impress. OR                                                                 | [4]        |
| 2:6 | (A)        | Write down the steps for slide transition and give special effects to Libre Impress slide.         | [6]        |
|     | (B)        | What is macro? Discuss the procedure to create and execute a macro with example.                   | [4]        |

\*\*\* Best of Luck \*\*\*

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B.C.A. (I Semester) (NC) Examination 2017 Wednesday, 22<sup>nd</sup> March 2.00 p.m. to 5.00 p.m. **US01CBCA07**: Fundamentals of Web Designing Total Marks: 70 2. Figures to the right indicate marks. 1. All questions are compulsory. Note: 3. Start a new question from a new page. [10] Answer the Following: Q.1 Full form of HTTP is A. 2. Hypertext Transition Portability 1. Hypertext Transition Protocol 4. None of these 3. Hypertext Transfer Protocol Full form of SMTP is В. 2. Simple Mail Transfer Protocol 1. Same Mail Transfer Protocol 4. Simple Message Transport Protocol 3. Simple Message Transfer Protocol Which command is used to copy the content from web-page? C. 3. Ctrl+F 4. Ctrl+N 2. Ctrl+X 1. Ctrl+C D. HTML stands for \_\_\_ 2. Hyper Text Markup Language 1. Hyper Tags Markup Language 4. None of these 3. High Tags Markup Language <tt> is used for TELETYPE FONT. E. 1. TRUE 2. FALSE used to get © symbol F. 4. None of these © 2. &cpy; 1. &cp; is used for creating Table Header. G. 2. FALSE 1. TRUE <a href=#bca>Click</a> will link to anchor named bca in same page. Н. 2. FALSE 1. TRUE To allow a user to enter only 10 character long string, \_\_\_\_\_ attribute is used ١. with a textbox. 4. size 3. type 2. maxlength 1. value declaration is written at the top of the page before the <html> tag J. 4. <footer> 3. <header> 1. <!DOCTYPE> 2. <Meta> [20] Q.2 Answer the Following: [ANY TEN] Define Modulation. Α. What is HTML? B. Define Search Engine. C. How you create Paragraph in HTML? Explain with its attribute and an example. D. Explain <B>, <I> and <U> with an example. E. Explain the use of TYPE and START attributes in Ordered List with an example. F. Explain <A> tag in short. G. Explain the <CAPTION> with its attribute and an example. H. Explain the <FRAMESET> with its attribute. l. Explain the submit button control. J.

What is a semantic element? List out.

Explain the Number element and its attributes with example.

K.

SARDAR PATEL UNIVERSITY

[10] Seat No.\_\_

No. of printed pages: 2

| Q.:              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------|
| a.<br><u>b</u> . | Write a note on E-Mail service of the Internet. Write a note on TELNET service of the Internet. OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | [05]<br>[05]                                                                                                              |              |
| a.               | Write a note on FTP service of the Internet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | #                                                                                                                         |              |
| b.               | Write a note on WWW service of the Internet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | [05]<br>[05]                                                                                                              |              |
| Q.4              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | . * 4.4                                                                                                                   |              |
| a.<br>b.         | How can you create a Ordered List? Explain. Write a short note on <hr/> giving its attributes and an example.  OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | [05]<br>[05]                                                                                                              |              |
| a.               | How can you create a Bulleted Lieta Fund                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | rool                                                                                                                      |              |
| b.               | Write a note on <body> with its attributes and proper example.</body>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | [05]<br>[05]                                                                                                              |              |
| Q.5              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |              |
| a.<br>b.         | Write a note on <td> tag giving all its attributes with an example.  Write a note on <frame/> giving its attributes with a proper example.  OR</td> <td>[05]<br/>[05]</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tag giving all its attributes with an example.  Write a note on <frame/> giving its attributes with a proper example.  OR | [05]<br>[05] |
| a.<br>b.         | Write a note on <tr> giving its attributes with a proper example.  Write a note on <img/> giving its attributes with a proper example.</tr>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | [05]<br>[05]                                                                                                              |              |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |              |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [oo]                                                                                                                      |              |
| Q.6              | NATION OF THE PARTY OF THE PART | -                                                                                                                         |              |
| a.<br>b.         | Write a note on CHECKBOX form control in HTML with associated attributes.  Write a note on PASSWORD form control in HTML with associated attributes.  OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | [05]<br>[05]                                                                                                              |              |
| a.               | Write a note on HTML5 features.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |              |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [10]                                                                                                                      |              |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |              |

 $\{\lambda_{k}\} = \{\gamma_{k}\}$ 

\*\*\*\*\*\*Best Of Luck\*\*\*\*\*

| [8]   | S      | eatl | 10.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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No. of printed pages: 02

# SARDAR PATEL UNIVERSITY BCA SEM-I EXAMINATION 2017 (NC) Digital Computer Electronics (US01EBCA01)

|                    | :00 p.m. to 4::00 p.m.<br>/03/2017, Friday        |                                            |                                         | Total Marks: 70                                  |
|--------------------|---------------------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------------------------------|
| Q.1                | Multiple Choice Qu                                | estions                                    |                                         |                                                  |
| 1                  | The gate ha                                       | s two or more input s <b>B. OR</b>         | ignals. All inputs mu<br>C. NAND        | st be high to get a high output. <b>D. NOR</b> ] |
| 2                  | De Morgan's first the [A. bubbled OR              | eorem says that a NO <b>B. bubbled NOR</b> | R gate is equivalent to C. bubbled AND  | o a  D. AND bubbled]                             |
| 3                  | A is a combi inputs to an n output [A. Half Adder | S.                                         | ·                                       | nation from the 2n coded  D. Comparator]         |
| . <b>.4</b><br>    | In k-map, pair elim<br>[A. one                    | inates varia<br>B. two                     | able.<br>C. three                       | D. four                                          |
| 44 <b>5</b><br>244 |                                                   | gate is use for co  B. XOR                 |                                         | <b>D. XNOR]</b>                                  |
| 6                  | A combinational circ<br>[A. Full Adder            | cuit that performs the B. Binary Adder     | arithmetic addition of<br>C. Half Adder | f two bits is called  D. Decoder]                |
|                    | Half adder consist of [A. XOR, AND                | B. XOR, OR                                 |                                         | D. XNOR,OR]                                      |
| 12 <b>8</b>        | In D flip-flop, when [A. high                     | CLK is low then inpu  B. Don't care        |                                         | D. Not change]                                   |
| <b>9</b>           |                                                   | of that work B. decoder                    |                                         | D. gates]                                        |
| 10                 | A multiplexer is also [A. data multiplier         |                                            | C. data inverter                        | D. data remover]                                 |

| Q.2         | Write Short Questions. [Any 10]                                                                                                                                                                                 | [20]        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1<br>2<br>3 | Prepare truth table for: $\overline{AB} + \overline{BC}$ Write <b>Distributive Law</b> for addition and multiplication.  Prove that <b>NAND Gate</b> is equivalent to <b>Bubbled OR Gate</b> using Truth table. |             |
| 3<br>4      | Draw K-Map for 3 variables and randomly show pair and quade in same.                                                                                                                                            |             |
| 5           | Draw circuit of Comparator.                                                                                                                                                                                     |             |
| . 6         | Explain Sum of Product.                                                                                                                                                                                         |             |
| 7           | Draw circuit of Half Adder.                                                                                                                                                                                     | •           |
| 8           | Draw Truth table for 3 input Full Adder showing carry and sum.                                                                                                                                                  |             |
| 9           | Write a note on Multiplexer without circuit.                                                                                                                                                                    |             |
| 10          | Draw circuit and truth table for unclocked D Flip-Flop.                                                                                                                                                         |             |
| 11<br>12    | Differentiate between <b>Shift Left</b> and <b>Shift Right Register</b> with proper example. Write a note on <b>Controlled Buffer Register</b> .                                                                |             |
| Q.3(A)      | Write a detail note on following gates: AND, NAND, Bubbled AND                                                                                                                                                  | [06]        |
| (B)         | Prove that ABC+ABC=AB using truth table.                                                                                                                                                                        | [04]        |
|             | <u>OR</u>                                                                                                                                                                                                       |             |
| Q.3(A)      | Write a detail note De'Morgans Theorem.                                                                                                                                                                         | [06]        |
| (B)         | Simplify Boolean expression and draw circuit. A.B+C.D+A.B+C.D                                                                                                                                                   | [04]        |
|             | Explain 8X3 Encoder.                                                                                                                                                                                            | [06]        |
| <b>(B)</b>  | Define K-Map. Explain with proper example how it is used to reduced equation.                                                                                                                                   | [04]        |
|             | en e                                                                                                                                                                        |             |
| O.4(A)      | Explain 3X8 Decoder.                                                                                                                                                                                            | [06]        |
| (B)         | Define K-Map. Also explain PAIR in context of same.                                                                                                                                                             | [04]        |
| Q.5(A)      | Write a detail note on 4-bit Binary Adder with Circuit Diagram.                                                                                                                                                 | [06]        |
| (B)         | Explain working of Half Adder.                                                                                                                                                                                  | [04]        |
|             | <u>OR</u>                                                                                                                                                                                                       |             |
| Q.5(A)      | Write a detail note on 4-bit Binary Substractor with Circuit Diagram.                                                                                                                                           | լսսյ        |
| <b>(B)</b>  | Explain working of Full Adder.                                                                                                                                                                                  | [04]        |
| Q.6         | Write a detail note on Shift Registers. Also discuss Counters.                                                                                                                                                  | [10]        |
|             | <u>OR</u>                                                                                                                                                                                                       |             |
| Q.6         | Define FlipFlop. Also discuss D Latches (clocked and unclocked).                                                                                                                                                | [10]        |
|             | ****************                                                                                                                                                                                                |             |
|             | — X —                                                                                                                                                                                                           | Page 2 of 2 |
| 1.9         |                                                                                                                                                                                                                 |             |
|             | 1 61                                                                                                                                                                                                            |             |

# (9) See the more management

### SARDAR PATEL UNIVERSITY

### F.Y.B.C.A. (1<sup>st</sup> Semester) (CBCS) EXAMINATION – 201∓ (NC)

US01EBCA03 : Desktop Publishing

| Date:1∄ | 103/2017, Frida                                                              | } Time: 2:0           | 0 to 4:00 PM        | Total Marl               | ເຣ : 70 |  |  |  |
|---------|------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------|---------|--|--|--|
| Q.1     | Multiple choice que                                                          |                       | [10]                |                          |         |  |  |  |
|         | 1 displays the page at the next higher magnification.                        |                       |                     |                          |         |  |  |  |
|         | (a) Ctrl -                                                                   | (b) Ctrl +            | (c) Ctrl+1          | (d) Ctrl+0               |         |  |  |  |
|         | 2 window is used for making precise changes to text and graphics.            |                       |                     |                          |         |  |  |  |
|         | (a) Control Palette                                                          | (b) Plug-in Palette   | (c) Tools Palette   | (d) All of the above     |         |  |  |  |
|         | 3. DTP is used to cr                                                         | eate documents with a | complex layout of   | ***                      |         |  |  |  |
|         | (a) Text and Chart                                                           | (b) Text and Images   | (c) Text and Graphi | ics (d) All of the above |         |  |  |  |
|         | 4. To place larger amounts of text in the PageMaker documentoption is used.  |                       |                     |                          |         |  |  |  |
|         | (a)Autodraw                                                                  | (b)Autosize           | (c) Autoflow        | (d) None                 |         |  |  |  |
|         | 5 drawn through frame distinguish frame from the drawing icons.              |                       |                     |                          |         |  |  |  |
|         | (a) Y                                                                        | (b) Z                 | (c) X               | (d) None                 |         |  |  |  |
|         | 6. File created in pagemaker has extension.                                  |                       |                     |                          |         |  |  |  |
|         | (a) .pmd                                                                     | (b) .xls              | (c) .doc            | (d) .pop                 |         |  |  |  |
|         | 7. For editing and proofing of documents PageMaker provides the              |                       |                     |                          |         |  |  |  |
|         | (a) story editor                                                             | (b) text editor       | (c) graphic editor  | (d) None                 |         |  |  |  |
|         | 8 are similar to transparent sheets, placed one on top of the other.         |                       |                     |                          |         |  |  |  |
|         | (a)threads                                                                   | (b)links              | (c) parts           | (d) layers               |         |  |  |  |
|         | 9 is a publication with a prebuilt page design that you can use immediately. |                       |                     |                          |         |  |  |  |
|         | (a) Customize doc                                                            | (b) Template          | (c) New page        | (d) Book                 |         |  |  |  |
|         | 10. When the layer is locked, aicon with a line through it appears.          |                       |                     |                          |         |  |  |  |
|         | (a)arrow                                                                     | (b)red                | (c) pencil          | (d) blue                 |         |  |  |  |
| Q.2     | Attempt any ten out of twelve.                                               |                       |                     |                          |         |  |  |  |
|         | 1. Write steps to create text using drag and drop.                           |                       |                     |                          |         |  |  |  |
|         | 2. Explain meaning of publishing.                                            |                       |                     |                          |         |  |  |  |
|         | 3. Why we are using PageMaker?                                               |                       |                     |                          |         |  |  |  |
|         | 4. List popular desktop publishing software.                                 |                       |                     |                          |         |  |  |  |
|         | 5. Write steps to duplicate an object.                                       |                       |                     |                          |         |  |  |  |
|         | 6. List any five tools available in PageMaker tool palette.                  |                       |                     |                          |         |  |  |  |
|         | 7. List the types of frame in PageMaker.                                     |                       |                     |                          |         |  |  |  |
|         | 8. How can we set margins for document?                                      |                       |                     |                          |         |  |  |  |
|         | 9. Explain master page.                                                      |                       |                     |                          |         |  |  |  |
|         | Pugi                                                                         | <del></del> -         |                     |                          |         |  |  |  |

12. List the part of PageMaker page for which we can define a style. [6] Q.3 (a) Explain the need of Desktop Publishing. (b) Write a note on "Key features of PageMaker 7. [4] OR (a) Explain Advantages of PageMaker. [6] [4] (b) Explain Graphics and Desktop Publishing. Q.4 (a) Explain all modes of Control Palette. [7] [3] (b) Describe Print Dialog box of PageMaker 7. OR [7] (a) Write steps to specify text wrap options. [3] (b) Write steps to place in-line graphic. Q.5 (a) Explain numbering page in PageMaker. [5] (b) Write a difference between frame and graphics. [5] OR (a) Write steps to apply different master pages to different pages in the document. [5] (b) Write steps to create a Table from within a PageMaker. [5] Q.6 Discuss layer palette and character formatting in detail. [10] OR Q.6 Describe style palette and story editor in detail. [10]

10. Write steps to open story editor.

11. Explain PageMaker template.



(10) Seat No:\_\_\_ No. of printed pages: 03 B.C.A. (SEMESTER – I) EXAMINATION Thursday, 16th May. 2017 16/3/17 2.00 c.m. to 4.40 p.m. MATHEMATICS-I (US01FBCA02) Total Marks: 70 Q.1 Fill in the blanks: 10 1. Let  $U = \{1,2,....10\}$ ,  $A = \{1,2,3,4\}$  and  $B = \{3,4,5,6\}$ . Then  $(A \cap B)^c =$ \_\_\_\_ (b) B (c) {1, 2, 5, 6, 7, 8, 9, 10} (d) None 2. De Morgan's Law: (a)  $(A \cup B)^c = A^c \cap B^c$  (b)  $(A \cap B)^c = (A \cup B)^c$  (c)  $(A \cup B)^c = A \cap B$ (d) None 3. If u = (3,7,2), v = (-3,0,3) then  $u \cdot v =$ \_\_\_\_ (a) -3(b) (6, -7, 0) (c) -5(d) None 4. 4(1, 2, 1) + 2(1, 3, 3) =(a) (6, 12, 10) (b) (6, 10, 14) (c) (6, 14, 10)(d) None 5. A Square matrix A is said to be symmetric if \_\_ (b)  $A = -A^T$  (c)  $A = A^T$ (a)  $A \neq A^T$ (d) None 6. The inverse of -3 in  $(Z_7, +_7)$  is \_\_\_\_\_ (a) 1 (b) 0 (c) 4(d) None 7. An operation \* on a set S is said to be commutative if  $a*b\_\_b*a$ (a) =(b) ≠ (c) <8. Mode of 3, 7, 11, 9, 13, 1, 7, 12, 7, 6 is \_\_\_\_ (a) 6 (b) 7 (c) 8.5 (d) None 9. The mean of first 9 natural numbers is \_\_\_\_\_ (a) 5 (b) 4.5 (c) 5.5(d) None 10. Geometric mean of x, y, z, w is given by \_ (b)  $\sqrt{x+y+z+w}$  (c)  $\sqrt[4]{xyzw}$ (a)  $\sqrt{xyzw}$ (d) None Attempt any Ten. 20 1. If  $A = \{m, f, w, s\}$  and  $B = \{m, t, w, f, th\}$ . Then Find  $A \cup B$  and  $A \cap B$ . 2. Explain: (a) Subset. (b) Intersection of two sets

- 3. If f(x) = x + 5 and g(x) = 3x + 2 then find  $f \circ g$ .
- 4. Let  $B = \{0, 1\}$ . Is B closed under: (a) Multiplication? (b) Addition?
- 5. Define Group with example.

Q.2

6. In  $Z_8$  find all roots of  $f(t) = t^2 + 6t$ .

(P.T.O)

9. Determine the value of k for which  $\begin{vmatrix} 2k & k \\ 4 & k \end{vmatrix} = 0$ . 10. Find median of the following data; 8, 12, 20, 40, 8, 7, 5 (1)7, 7, 8, 6, 5, 8, 3, 2, 2, 9, 7 (2)11. The I.Q. of 10 students is given below: 95, 98, 107, 100, 101, 110, 70, 120, 88, 83. Find the Arithmetic mean of I.Q. 12. Write down various measures of central tendency. Explain one of them with example. Q.3 05 Prove that  $1^2 + 2^2 + 3^2 + \dots + n^2 = \frac{n(n+1)(2n+1)}{6}$ . (a) If  $A = \{1,2,5,6,8\}$ ,  $B = \{x: x \text{ is even}, x \le 10, x \in N\}$  and  $C = \{1,2,3,5,6,11,12\}$ . Then 05 (b) verify 1.  $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$ 2.  $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ OR. Q.3 Let a and b denote positive integers. Suppose a function Q is defined recursively as: 04 (a)  $Q(a,b) = \begin{cases} 0 & \text{, if } a < b \\ Q(a-b,b) + 1 & \text{, if } b \le a \end{cases}$ 1. Find the value of Q (2, 4), Q (15, 3), Q (17, 4). 2. Find Q (2143, 9). 03 If  $f(x) = x^2 + 5x$  and g(x) = 3x + 2 then find  $g \circ f(x)$ (b) 03 Find 5! Using recursive definition. (c) 0.4 Consider the group  $G = \{1, 2, 3, 4\}$  under the multiplication modulo 5. Find multiplication 04 (a) table of G. Also find 2-1 and 4-1. Show that f:  $G \rightarrow G'$  defined by  $f(a) = 2^a$  is a homomorphism where G is a group of real 03 (b) numbers under addition and G' is a group of positive real numbers under multiplication. Let  $A = \{1, 3, 5, 7, \ldots\}$  then check whether A is closed under 03 (c) 1. Multiplication? 2. Addition?

2

7. Find x & y if x(1,1) + y(2,-1) = (1,4)

8. If  $A = \begin{bmatrix} 1 & 2 \\ 7 & -2 \end{bmatrix}$  and  $B = \begin{bmatrix} 4 & -2 \\ 5 & 1 \end{bmatrix}$  then find A + B and A - B.

- Consider the set N of the natural numbers and let \* be the operation of least common (a) 04 multiple (l.c.m) on N.
  - (1) Find 4 \* 5, 6 \* 8, 1 \* 8 and 7 \* 14.
  - (2) Is (N,\*) a semi group? Is it commutative?
- If S is a nonempty set with the operation a \* b = a. (b) 03 Is the operation: (i) associative? (ii) Commutative?
- In  $Z_{10}$ , find -3, -8,  $3^{-1}$ . (c) Q.5

03

05

- Consider the vectors u = (1, -1, 2, -5), v = (-2, 3, -4, 5).(a) Find u + 3v, 2u - v and  $u \cdot v$ . Also find ||u|| and ||v||.
- (b) Using Cremer's rule solve the simultaneous equations 5x-3y=1, 6x-y=9. 05

OR

Q.5

Define following matrices: (a)

- 05 1. Symmetric matrix
- 2. Square matrix
- 3. Orthogonal Matrix.
- then find  $A + A^T, A A^T$  and  $AA^T$ . (b) 05
- Find mean, median, mode, harmonic mean and Geometric mean for following data Q.6 10

| Marks No. of Students | 0-10 | 10-20<br>5 | 20-30<br>8 | 30-40 | 40-50<br>9 | 50-60 |
|-----------------------|------|------------|------------|-------|------------|-------|
|-----------------------|------|------------|------------|-------|------------|-------|

Q.6

OR

- Following data is regarding the number of letters in a word of a paragraph with 30 words: (a) 05 3,5,3,6,7,3,5,4,6,7,4,4,5,2,3,2,4,5,1,2,4,2,3,5,6,2,1,3,6,7
  - Form a discrete frequency distribution (i)
  - (ii) Find mean
- Find the missing frequency for the following frequency distribution. Given that (b) Median = 24.

| Class     | 0-10 | 10-20 | 20-30 | 30-40 40-50 |   |  |
|-----------|------|-------|-------|-------------|---|--|
| Frequency | 5    | 25    | ?     | 18          | 7 |  |