

(61/A-23)

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SARDAR PATEL UNIVERSITY
S.Y.B.C.A. - (SEM – IV) - (CBCS) EXAMINATION 2019
US04CBCA02 - OBJECT ORIENTED PROGRAMMING THROUGH JAVA

TIME: 02: 00 P.M. TO 05: 00 P.M.

Wednesday, DATE: 03 – 04 – 2019

NOTE: Right hand figure indicates the marks of each question.

TOTAL MARKS: [70]

Q – 1 Select an appropriate option for following multiple choice questions. [10]

- 1) Java compiler translates source code into _____
A. Byte Codes(Virtual Machine Codes) B. Bit Codes
C. Machine Code D. User Code
- 2) _____ Tool helps us to find errors in our programs.
A. jhelp B. jdb
C. javap D. javah
- 3) JVM stands for _____
A. Java Versatile Machine B. Java Virtual Method
C. Java Virtual Machine D. Java Variables & Methods
- 4) _____ Variables and methods can be called without using the objects.
A. static B. final
C. abstract D. None of the above
- 5) _____ Inheritance is not supported by JAVA.
A. Multi-Level B. Multiple
C. Hierarchical D. Hybrid
- 6) _____ Keyword is used to inherit a class.
A. implement B. implements
C. extends D. extend
- 7) All syntax errors are known as _____ errors.
A. compile time B. run time
C. logical D. exception
- 8) Character streams can be used to read and write _____ Unicode characters.
A. 4 – bit B. 16 – bit
C. 8 – bit D. 2 – bit
- 9) _____ is a passive control.
A. TextField B. Button
C. Label D. None of these
- 10) The paint method accepts _____ type of argument.
A. Graphics B. Graphic
C. Drawing D. None of these

Q – 2 Short questions (Attempt any Ten) [20]

- 1) List the primitive and non-primitive data types used in Java.
- 2) Java is platform-independent and portable. - Justify.
- 3) Define break and continue statements.
- 4) Define the final variable and final methods.
- 5) What is the meaning of the static keyword?
- 6) How to define a Class? Explain with syntax.
- 7) Give examples of Run – time error.
- 8) Explain the term Exception Handling.
- 9) List the methods of Reader or Writer class.
- 10) List out methods of MouseListener.
- 11) Differentiate between java applet program and java application program
- 12) Explain methods (1) setBackground() (2) setForeground()

(P.T.O.)

- Q – 3 A] Explain the features of Java in detail. [05]
B] List out the Looping statements available in Java. Explain any two with example. [05]

OR

- Q – 3 A] List out the operators available in java. Explain any two in detail. [05]
B] Describe the structure of Java program by giving example. [05]

- Q – 4 A] Write a short note on Method overloading and Method Overriding. [06]
B] Define Inheritance. Describe different forms of Inheritance. [04]

OR

- Q – 4 A] Define Interface. Differentiate between Classes and Interface. [06]
B] What is Constructor? Explain it with proper example. [04]

- Q – 5 A] What is package? What are the benefits of package? Explain Java API packages. [06]
B] Describe concept of stream. [04]

OR

- Q – 5 A] List out and Explain any three methods of String class by giving example. [06]
B] What is exception? Explain the syntax of try block and catch block with an example. [04]

- Q – 6 A] Explain Applet life cycle in detail in example. [10]

OR

- Q – 6 A] What is JDBC? List out JDBC components and types of drivers. [10]

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