

SEAT NO: _____

No. of Printed Pages : 02

[20]

SARDAR PATEL UNIVERSITY
B. Sc. SEMESTER-VI EXAMINATION
COMPUTER SCIENCE

US06CCSC21: Object Oriented Programming using Java

Date: 23/6/2022, THURSDAY

Time: 10:00am to 12:00pm

Total Marks: 70

Q.1 Multiple choice of Question:

[10]

- [1] Java compiler produces an intermediate code known as _____.
a) Bitcode b) Machine Code
c) Bytecode d) User code
- [2] Which of the following is the correct declaration statement in java program?
a) int num=new int[5] b) int num=new num[5]
c) int[] num=new int[5] d) None
- [3] Which statement is use to terminate loop early?
a) terminate b) continue c) skip d) break
- [4] _____ methods must be override in the subclass.
a) public b) final c) abstract d) static
- [5] _____ defines only abstract methods and final fields.
a) Interface b) Final class c) Abstract class d) Class
- [6] _____ provide a way to "hide" classes thus preventing other programs or packages from accessing classes that are meant for internal use only.
a) Package b) Thread c) Constructor d) Interface
- [7] Which package is used for creating and implementing applets.
a) java.lang b) java.util c) java.applet d) java.awt
- [8] _____ method is used to find the nth no. of character of given string s1.
a) s1.index(n) b) s1.substring(n) c) s1.length() d) s1.charAt(n)
- [9] The _____ parameter is used to specify the applet class name.
a) classname b) code c) name d) codebase
- [10] _____ is valid parameter to set the background color as red.
a) setColor(RED) b) Color = RED
c) Color.RED d) new Color(RED)

Q.2 Fillup the blanks or True/False.

[08]

- [1] _____ is one of the java features that can handle multiple tasks simultaneously.
- [2] _____ tool helps us to find errors in our programs.
- [3] _____ keyword is used to inherit a class.
- [4] We cannot create a subclass of _____ class.
- [5] "Converting invalid string to a number" is the logical type of error.
[True / False]
- [6] All syntax errors are known as Compile-time. [True / False]
- [7] Through the applet life cycle Born state occur only once. [True / False]
- [8] TextArea is a single line edit control. [True / False]

Q.3 Answer the following questions in SHORT (Any 10): [20]

- [1] What is JVM(Java Virtual Machine)?
- [2] List out the features of java.
- [3] Draw the java program structure.
- [4] What are the restrictions with static methods?
- [5] Define class. How does it accomplish data hiding?
- [6] What are the conditions for using super() method.
- [7] Give examples of the Run-time error.
- [8] List out the different types of exception.
- [9] List the methods of Reader class.
- [10] List out methods of MouseListener.
- [11] Differentiate: java applet program and java application program.
- [12] Define : Event Event Listener

Q.4 Answer the following questions in LONG (Any 4): [32]

- [1] List out the decision making statements available in java. Explain with example.
- [2] List out the operators. Explain each operator in detail.
- [3] Write short note on method overloading and method overriding.
- [4] Describe the various forms of implementing interface. Give example of JAVA code for each case.
- [5] Explain any four methods of String class by giving suitable example.
- [6] What is package? What are the benefits of package? Explain Java API packages.
- [7] Explain Applet life cycle in detail.
- [8] Write a short note on following.
 1. List
 2. Choice
 3. drawPloygon.

==== * ==== * =====