

(45 & A-15)

SEAT No. _____

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SARDAR PATEL UNIVERSITY
B.Sc. [IT] EXAMINATION, 6th SEMESTER
Friday, 31st March, 2017

US06CINT03 [Object Oriented Programming Using Java]

Time:: 10:00 am to 1:00 pm

Maximum Marks: 70

- Q-1 Multiple Choice Question. [Each Question carries one Mark] [10]
- 1) Java does not support _____.
a) Operator overloading b) Global variable
c) Multiple inheritance d) All of above
 - 2) _____ is use for naming classes, methods, variables etc in a program.
a) Operator b) Separator
c) Identifier d) Constructor
 - 3) JVM stands for _____
a) Java Virtual Method b) Java Virtual Machine
c) Java Variable & Methods d) Java Versatile Machine
 - 4) What keyword is used in Java to define a constant?
a) static b) final
c) abstract d) private
 - 5) _____ is default access specifier in JAVA.
a) friendly b) private
c) protected d) public
 - 6) We cannot create a subclass of _____ class.
a) Abstract b) public
c) static d) final
 - 7) Which package is used for creating and implementing applets.
a) java.lang b) java.util
c) java.applet d) java.awt
 - 8) _____ is caused by bad array indexes.
a) ArrayStoreException b) ArithmeticException
c) IOException d) ArrayIndexOutOfBoundsException
 - 9) The _____ parameter is used to specify the applet class name.
a) classname b) code
c) name d) codebase
 - 10) The paint method accepts _____ type of argument.
a) Graphics b) Graphic
c) Drawing d) None of these

- Q-2 Give Answers for the following:(Any ten) [20]
1. Java is platform-independent and portable. - Justify.
 2. List out the types of operators used in java.
 3. Define the break and continue statements.
 4. Define Inheritance. How it is created in Java?
 5. Define abstract keyword.
 6. Write various types of inheritance.
 7. Give examples of the Run-time error.
 8. Explain any two string methods.
 9. Define the term - Exception and Exception Handling.
 10. What is event delegation?
 11. Define (1) Event (2) Event Source
 12. Draw Applet Life Cycle and list out its State.

- Q- 3 A) List out the decision making statements available in java. Explain any one with example. [5]
B) Describe the java environment. [5]

OR

- Q- 3 A) List out the looping statements available in java. Explain any one with example. [5]
B) What is java? List features of java and explain any two in detail. [5]

- Q- 4 A) Define class. How do classes help us to organize our programs? What are the three parts of a simple, empty class? [5]
B) What is a constructor? What are its special properties? [5]

OR

- Q- 4 A) Describe the various forms of implementing interface. Give example of JAVA code for each case. [5]
B) Write short note on method overloading. [5]

- Q- 5 A) What is exception? Explain the syntax of try block and catch block with an example. [5]
B) What is package? What are the benefits of package? Explain Java API packages. [5]

OR

- Q- 5 A) Explain Reader stream classes and Writer stream classes. [5]
B) Describe the try and catch statements in detail. [5]

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

OR

- Q- 6 Write short note on following components with example. [10]
(1) Label
(2) Button