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SEAT No. _____

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SARDAR PATEL UNIVERSITY
M.Sc.(Information Technology)
SEMESTER-III
External Examination
PS03CINT21- (Java Programming)
23 - October, 2018, Tuesday

Time: 02:00 p.m. to 05:00 p.m.

Marks:70

Q1 Give answers of following Multiple choice questions

[8]

- 1 _____ is the stored in the object obj after "box obj" line of code.
A Memory address of object B NULL
C Any arbitrary pointer D Garbage value
- 2 _____ is the return type of a method that does not returns any value.
A int B float
C Void D double
- 3 Which of this keyword must be used to inherit a class?
A super B this
C extent D extends
- 4 _____ keyword can be used to prevent Method overriding.
A static B constant
C protected D final
- 5 Which of these can be overloaded?
A Method B Constructor
C Both (A) & (B) D None of these
- 6 To display text in the applet status bar _____ method is used.
A showStatus() B showStatusBar()
C drawStatus() D drawStatusBar()
- 7 Which of these class is used to encapsulate IP address and DNS?
A DatagramPacket B URL
C InetAddress D ContentHandler
- 8 _____ method is used to writing object in Serialization in java.
A objectWrite B objWrite
C writeObject D write

(1)

(PTO)

- Q2 Do as directed (Any seven) [14]
- 1 What is an interface?
 - 2 Explain Bytecode.
 - 3 Explain Method Overloading.
 - 4 List all I/O stream supported by java.
 - 5 List and explain different JList component with constructor and methods.
 - 6 Differentiate between AWT & Swing.
 - 7 List the steps occur during TCP connections.
 - 8 Explain serialization.
 - 9 Differentiate between: Primitive type and Reference type.
- Q3 [A] What is Java? List all features and explain any six. [6]
 Q3 [B] Write a note on exception handling mechanism in Java. [6]
 OR
- Q3 [B] List different types of JDBC drivers. Explain any two in detail. [6]
- Q4 [A] Explain Exception Handling mechanism in Java with code snippet. [6]
 Q4 [B] Draw and explain five stages of applet's life cycle. [6]
 OR
- Q4 [B] Discuss three formats of overloaded getConnection() method in jdbc. [6]
- Q5 [A] What is a Layout? List and explain different layouts available in swing. [6]
 Q5 [B] Explain any three Swing components with properties & methods. [6]
 OR
- Q5 [B] [6]
- Q6 [A] What is Servlet? Explain with life cycle. [6]
 Q6 [B] Write a short note on different Thread methods. [6]
 OR
- Q6 [B] Discuss the use of Pattern and Matcher class with regular expression. [6]

— X —
 (2)