Total No. of Questions : 5]

SEAT No. :

PE-1515

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T.Y. B.Sc.
COMPUTER SCIENCE
CS-355 : Object Oriented Programming Using Java - I
(Rev.2019 Pattern) (Semester - V) (CBCS) (Paper - V)

Time : 2 Hours] *[Max. Marks : 35*

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right indicate full marks.***

Q1) **Attempt any Eight of the following :** **[8 × 1 = 8]**

a) What is the use of final keyword?

b) Explain the term Marker interface.

c) What is the use of jdb?

d) What is Exception?

e) What is Listener? Name any two.

f) List any two inheritance types.

g) List any two use of this keyword.

h) "Java is compiled and interpreted language" comment.

i) A class can be declared as final and abstract. State true/false.

j) What is finally?

Q2) **Attempt any four of the following :** **[4 × 2 = 8]**

a) Explain any two InputStream classes.

b) Differentiate abstract class and interface.

c) Write is the use and syntax of try-catch.

d) What is method overriding?

e) Explain any two LayoutManager in java.

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Q3) **Attempt any TWO of the following :** **[2 × 4 = 8]**

a) Write a program that reads on file name from command line, then displays information about whether the file exists, whether the file is readable, whether the file is writable, the type of file and the length of the file in bytes.

b) Write a program to accept the name and age from user if age is less than 18 then raise "Invalid Age Exceptiont" with msg “Given user in not illegible for voting”.

c) Write a java program to accept an array of user defined size from user and display it in ascending order.

Q4) **Attempt any Two of the following.** **[2 × 4 = 8]**

a) What is package? How is it created? Explain with suitable example.

b) Explain MVC architecture in detail.

c) What is interface? What are the types of interfaces?

Q5) **Attempt any One of the following.** **[1 × 3 = 3]**

a) What is Stream? Explain Reader and Writer class.

b) Explain features of Java.

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