SS – 396

V Semester B.A./B.Sc. Examination, November/December 2018
(CBCS) (F+R) (2016 – 17 & Onwards)
COMPUTER SCIENCE – V
Object Oriented Programming Using Java

Time : 3 Hours Max. Marks : 70

Instruction : *Answer* ***all*** *the Sections.*

SECTION – A

I. Answer **any 10** questions. **Each** question carries **2** marks. **(10×2=20)**

1) Define class and object.
2) Write any 2 JDK tools and their description.
3) Differentiate between break and continue.
4) What is an array ? Write the syntax for two dimensional array.
5) Differentiate between entry controlled and exit controlled loop.
6) Explain wrapper class.
7) Differentiate between abstract class and interface.
8) What is the use of get priority() and set priority() ? Explain.
9) Define threads.
10) Differentiate between string and string buffer.
11) What is an applet ? Mention different types.
12) What are the 2 types of interactive I/O ? Explain.

SECTION – B

II. Answer **any 5** questions. **(5×10=50)**

13) a) Explain any 5 features of Java. **5**
    b) Write any 5 differences between Java and C. **5**

14) a) Define inheritance and explain different forms of inheritance with examples. **5**
    b) Compare and contrast overloading and overriding methods. **5**

P.T.O.

15) a) Explain any 5 string methods of string buffer class in Java. 5

b) Define constructor. Explain constructor overloading with an example. 5

16) a) Define interface and write a program to explain how multiple inheritance is achieved using interface. 5

b) Define package. Write the purpose of any four API packages available in Java. 5

17) a) Explain with neat diagram life cycle of a thread. 5

b) Explain multiple catch statements with examples. 5

18) a) Define exception. List some of the most common types of exceptions with examples. 5

b) Write a program to set priorities to threads in Java. 5

19) a) Explain applet life cycle with neat diagram. 5

b) Write a Java program to implement keyboard events using an applet. 5

20) a) Explain drawing a line and rectangle with example. 5

b) What are input and output streams ? Explain them with illustrations. 5

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V Semester B.A./B.Sc. Examination Nov./Dec. 2018
(CBCS) (F+R) (2016-17 and Onwards)
COMPUTER SCIENCE (Paper – VI)
Visual Programming

Time : 3 Hours Max. Marks : 70

Instruction : *Answer **all** Sections.*

SECTION – A

I. Answer **any ten** questions : **(10×2=20)**

1) What is visual programming ?
2) What is a Form object ?
3) Define the terms property and method with an example.
4) What is a variant data type ? Give an example.
5) Explain the different focal events in Visual Basic.
6) What is a module ? Mention the different types of modules.
7) Briefly explain Menu Editor.
8) What are class and object ?
9) Differentiate between ADO and DAO.
10) What are data-aware controls ? Explain.
11) Mention the different components of VC++.
12) How do you throw an exception in a try block ? Give an example.

SECTION – B

II. Answer **any five** questions : **(5×10=50)**

13) a) Explain any five important features of Visual Basic.
    b) Explain the usage of check box and image box controls with an example. **(5+5)**
14) a) What are control arrays ? Explain the creation of control arrays at design time with an example.
    b) Explain message box function and give syntax with an example. **(5+5)**
15) a) Explain select-case statement.
    b) Explain the different entry-controlled looping statements with an example. **(5+5)**

P.T.O.

16) a) What are static and dynamic arrays ? Explain with an example.
    b) What is MDI form ? Explain with an example. (5+5)

17) a) Write a note on DLL.
    b) Explain different types of help files. (5+5)

18) a) What is a record set ? Explain the different record set object methods with an example.
    b) Design user interface to accept student details such as name, department and total marks and display the percentage and division. (5+5)

19) a) Differentiate between document/view architecture and dialog based architecture.
    b) Write a note on MFC file handling. (5+5)

20) a) Explain static and dynamic splitter window.
    b) Explain the important benefits of OLE. (5+5)
