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V Semester B.A./B.Sc. Degree Examination, March/April - 2023

COMPUTER SCIENCE

Object Oriented Programming Using JAVA

(CBCS Scheme)

Paper : V



Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates

Answer all the Sections.

SECTION- A

I. Answer any 10 questions. Each question carries 2 marks.

(10 × 2= 20)

- 1) Define Byte code.
- 2) List the data types used in Java.
- 3) What is a web browser? Give an example.
- 4) Write a note on JVM.
- 5) What are abstract classes?
- 6) Define constructor.
- 7) What is vector? Explain with its syntax.
- 8) Define Thread. Mention the types of thread.
- 9) Differentiate between string and string buffer. Class.
- 10) What is an applet? Write an applet tag.
- 11) Define stream and mention the types
- 12) What is an array? Write the syntax for two dimensional array.

[P.T.O.]

**SECTION - B**

II. Answer any Five questions. Each question carries 10 marks. (5×10=50)

- 13) a) Explain any 5 features of Java. (5)
b) Write any 5 differences between Java and C. (5)
 - 14) a) Explain bitwise operators (4)
b) Explain any two looping statements with syntax and example. (6)
 - 15) a) Explain classes and objects with syntax and example. (5)
b) What is command line arguments ? Explain with example. (5)
 - 16) a) Explain string methods with example. (5)
b) Write a note on wrapper classes. (4)
 - 17) a) Explain method overloading with example. (5)
b) Mention any five differentiating points between class and abstract class. (5)
 - 18) a) Demonstrate Exception handling with suitable example. (5)
b) Explain life cycle of thread with neat diagram. (5)
 - 19) a) Explain applet life cycle with neat diagram. (5)
b) Write an applet program to handle keyboard events. (5)
 - 20) a) Explain the methods of Graphic class with syntax and Example. (6)
b) Explain Packages with an example. (4)
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V Semester B.Sc. Degree Examination, March/April - 2023

COMPUTER SCIENCE

Visual Programming

(CBCS Scheme)

Paper : VI



Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

Answer All Sections.

SECTION - A

I Answer any TEN questions. Each question carries 2 marks.

(10×2=20)

1. What is event-driven programming?
2. Define variant data type.
3. List any 2 differences between check box and option button.
4. Write syntax of If-then statement with example.
5. What is an Array? What are the types of it?
6. Mention any four OOPS features.
7. Write any two file handling functions in VB.
8. Write a note on Combo box.
9. What is MFC?
10. Write a note on OLEDB.
11. What is MDI?
12. Define DLL.

[P.T.O.]

**SECTION - B**

- II. Answer any FIVE questions. Each question carries 10 marks. (5×10=50)**
13. a) Explain features of Visual Basic. (5)
b) Explain VB-IDE components. (5)
 14. a) Explain the types of Events. (5)
b) Explain Message Box with example. (5)
 15. a) Explain Looping structures in VB. (5)
b) Explain any five string handling functions. (5)
 16. a) Explain MDI with example. (5)
b) Differentiate between ByVal and Byref with example. (5)
 17. a) Explain File list, Dirlist, Drive Box with example. (5)
b) Define form: Explain any 2 properties and methods of form object. (5)
 18. a) Write a note on ADO Data Control. (5)
b) Create a VB application to validate username and password. (5)
 19. a) Explain Exception handling in VC++. (5)
b) Write a note on VC++ Components. (5)
 20. a) Explain Serialization. (5)
b) Explain Document/View Architecture. (5)
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