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V Semester B.A./B.Sc. Degree Examination, March/April - 2022

COMPUTER SCIENCE

Object Oriented Programming Using Java

Paper : V

(CBCS Scheme)



Time : 3 Hours

Maximum Marks : 70

*Instructions to Candidates:*

Answer all sections.

## SECTION - A

Answer any **Ten** questions. Each question carries **Two** marks.

(10×2=20)

1. What is Byte code?
2. Write the syntax for creating objects in Java.
3. What is casting? Mention its types.
4. Explain any two methods defined in Math class.
5. What is method overloading?
6. What is an interface?
7. Mention any two built in packages in Java.
8. Define Polymorphism.
9. What is a Thread?
10. Mention any two differences between an applet and application.
11. What is a package?
12. What is a stream? Mention two types of streams.

[P.T.O.]

**SECTION - B**

Answer any **Five** questions. Each question carries **Ten** marks.

(5×10=50)

13. a) Explain any five features of Java. (5)  
b) Mention any five differences between C and Java. (5)
  14. a) Explain different types of operators available in Java. (5)  
b) Write a java program to find factorial of a number. (5)
  15. a) Explain any two looping statements with syntax and example. (5)  
b) Write a note on visibility controls or access modifiers. (5)
  16. a) Explain creating and implementing interfaces with example. (5)  
b) Explain abstract and final keyword with example. (5)
  17. a) Explain Exception handling with an example. (5)  
b) Explain inheritance with an example. (5)
  18. a) What are strings in Java? Explain any five methods. (5)  
b) Write a program to sort list of elements in ascending and descending order and show the exception handling. (5)
  19. a) Write a note on user defined packages. (5)  
b) Explain the life cycle of thread with a neat diagram. (5)
  20. a) Explain life cycle of Applet. (5)  
b) Explain different methods of Graphics class. (5)
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V Semester B.Sc. Degree Examination, March/April - 2022

COMPUTER SCIENCE

Visual Programming

(CBCS Scheme)



Time : 3 Hours

Maximum Marks : 70

**Instruction to Candidates:**

Answer all sections.

**SECTION -A**

**I** Answer any **ten** questions. Each question carries **two** marks.

(10×2=20)

1. Mention one advantage and one disadvantage of Visual Basic.
2. Explain two types of type conversions with example.
3. Differentiate between picture box control and image box control.
4. Explain date Time picker control.
5. Explain keyboard events with example.
6. Write the difference between function and procedure in Visual Basic.
7. Explain different scope of variables in Visual Basic.
8. Mention any four OOPS features.
9. List any four file handling functions in Visual Basic.
10. What are the different types of menus in VC++?
11. What are the two types of document view application in MFC?
12. Explain any two properties and two methods of form object.

[P.T.O.]



(2)  
SECTION - B

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

13. a) Explain features of Visual Basic. (5)  
b) Write a note on Visual Basic IDE. (5)
  14. a) Explain the difference between checkbox and option button control. (5)  
b) Explain Message Box with example. (5)
  15. a) Explain select case statement. Design a VB application using select case statement. (5)  
b) Write a note on mathematical functions available in Visual Basic. (5)
  16. a) Explain array and its types. Explain any three array methods. (5)  
b) What is MDI? Design a Visual Basic application having MDI and child forms. (5)
  17. a) Explain creating and implementing DLL. (5)  
b) Explain various types of files in Visual Basic. (5)
  18. a) Briefly explain ADO data control. (5)  
b) Write a VB program to validate the username and password stored in a database and display the appropriate message (use data control). (5)
  19. a) Write a note on VC++ components. (5)  
b) Explain different types of dialog box in VC++. (5)
  20. a) Explain Exception handling in VC++. (5)  
b) Explain Event handling in VC++. (5)
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