

Duration: 2 1/2Hrs

Marks: - 75

Note:-

- 1) All Questions are compulsory
- 2) Figures to the right indicate maximum marks.

Q1) Answer the following (Any 4 out of 6)**(20 M)**

- 1) What is keywords and identifier? Can we use keyword as an identifier. (CO1) (R)
- 2) Explain operators in detail. (CO1) (U)
- 3) What is Conditional Statement? (CO1) (R)
- 4) Explain Array. (CO1) (U)
- 5) WAP to accept a number and check it is Even or Odd. (CO1) (A)
- 6) WAP to accept a number and print factorial of the number. (CO1) (A)

Q2) Answer the following (Any 4 out of 6)**(20 M)**

- 1) Explain OOP's concept in details. (CO2) (U)
- 2) Write difference between OOP & POP. (CO2) (R)
- 3) Explain constructor and destructor. (CO2) (U)
- 4) What is polymorphism? Explain. (CO2) (R)
- 5) WAP to create class naming students in that have to accept details of the student and display details of the student. (CO2) (A)
- 6) Explain constructor in details (CO2) (U)

Q3) Answer the following (Any 4 out of 6)**(20 M)**

- 1) Explain Inheritance in details. (CO3) (U)
- 2) What is file Handling? (CO3) (R)
- 3) Explain pointers. (CO3) (U)
- 4) Explain gets () and put () method. (CO3) (U)
- 5) WAP to demonstrate single inheritance. (CO3) (A)
- 6) WAP to count space from file. (CO3) (A)

Q4) Answer the following (Any 5 out of 6)**(15 M)**

- 1) Explain Abstraction in details. (CO3) (U)
- 2) Write difference between Entry control loop and Exit Control Loop (CO1) (R)
- 3) What is Object? Explain with an example. (CO2) (R)
- 4) How to write data in file? (CO1) (U)
- 5) WAP to accept marks of 3 subjects and calculate grade. (CO1) (A)
- 6) WAP to accept 10 array elements and print sum of elements. (CO1) (A)

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