

Roll No.....

Total No. of Questions : 13]

[Total No. of Pages : 02

Paper ID [C1424]

(Please fill this Paper ID in OMR Sheet)

B.Sc. BI (503) (S05/Old) (Sem. - 5th)

PROGRAMMING PROJECT

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)

(15 × 2 = 30)

- a) Machine languages.
- b) Compiler
- c) Pseudo code
- d) Data Flow Diagram
- e) Class
- f) Encapsulation
- g) Header files in C++
- h) Software Planning
- i) Support
- j) Windows programming
- k) Project leader.
- l) Exception Handling
- m) Function and Procedure in C++
- n) Constructor function
- o) Garbage Collection

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P.T.O.

Section - B

(9 × 5 = 45)

- Q2)** What is a Programming Language? Why do we need it? Name any four.
- Q3)** Discuss different levels of programming Languages with suitable examples.
- Q4)** What is Documentation? Why it is important in Project Development?
- Q5)** What is requirement analysis? How do we conduct it?
- Q6)** Explain the structure of a C++ Program.
- Q7)** What is Object-oriented programming? What are its benefits?
- Q8)** What is reusability? How will you ensure it in your Project?
- Q9)** Describe characteristics of a good Project Manager.
- Q10)** What are system utilities? How can they make your life easy during Programming?
- Q11)** Explain the Term “Polymorphism” with suitable example in C++.
- Q12)** What is DBMS? What role it plays in software development?
- Q13)** Discuss different types of inheritance in C++ with suitable examples.

