

**Computer Science**

**Note:** Time allowed for Section-B and Section-C is 2 Hours and 15 minutes.

**SECTION-B**

**Q2:** Answer any SEVEN parts. Each part carries FOUR marks.

- i) Write the steps of algorithm to calculate the exponent of a given number.
- ii) Data is converted from assembly language to machine language, write its mechanism?
- iii) Write the correct sequential process of C language compiler?
- iv) Make diagram showing working of cout object.
- v) What is the use of semicolon; in C program, write its syntax.
- vi) Differentiate between single and compound if statement.
- vii) Draw the diagram of working of for loop.
- viii) What are Basic Logic gates, name three basic logic gates?
- ix) Write purpose of entertainment website with two examples.

**SECTION-C Marks: 16**

**Note:** Attempt any TWO questions. All questions carry equal marks.

- Q3: What is OOP language? What are the characteristics of high level language?
- Q4: Write use and syntax of cin function. Also draw working of cin object diagram?
- Q5: Write a program in C language using do-while loop to find that an input number is even or odd?