BCA-08

June - Examination 2026
BCA (Part-II) Examination
Software Engineering
Paper : BCA-08

[*Time: **3** Hours*] [*Maximum Marks: **70***]

Note :- The question paper is divided into three Sections A, B and C. Write answers as per the given instructions in each section.

Section-A **7×2=14**

(Very Short Answer Type Questions)

Note :- Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries **2** marks.

1. (i) What is Software Maintenance?

   (ii) Define Feasibility Study.

   (iii) What is Black Box Testing?

   (iv) Define Software Reliability.

   (v) What is Cohesion?

   (vi) What is Risk Management?

   (vii) What is CASE Tool?

Section-B **4×7=28**

(Short Answer Type Questions)

Note :- Answer **any four** questions. You have to delimit your each answer maximum up to **200** words. Each question carries **7** marks.

2. Explain the Software Development Life Cycle (SDLC).

3. Discuss the role of Software Requirements Specification (SRS).

4. Differentiate between Verification and Validation.

5. Explain Incremental Process Model with its advantages.

6. What is Software Project Management? Explain its objectives.

7. Discuss different types of software maintenance.

8. Explain Cohesion and Coupling with suitable examples.

9. Describe Entity-Relationship (ER) Diagram with an example.

Section-C

2×14=28

(Long Answer Type Questions)

Note :- Answer **any two** questions. You have to delimit your each answer maximum up to **500** words. Each question carries **14** marks.

10. Explain Risk Management in Software Engineering. Discuss risk identification, analysis and mitigation techniques.

11. Explain the following -
    (a) White Box Testing
    (b) Integration Testing

12. Explain the following -
    (a) Agile Software Development Model
    (b) RAD (Rapid Application Development) Model

13. Explain the following -
    (a) Software Quality Assurance (SQA)
    (b) Software Configuration Management (SCM)
