BCA-08

December – Examination 2021

BCA (Part II) Examination

Software Engineering

Paper : BCA-08

Time : 1½ Hours] [*Maximum Marks : 70*

Note :– The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section–A 4×3½=14

(Very Short Answer Type Questions)

Note :– Answer any *four* 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 3½ marks.

1. (i) What are the non-functional requirements of Software ?

(ii) What do you mean by Prototyping ?

(iii) Write at least *two* disadvantages of the Spiral Model.

(iv) What are Decision Tables ? Give an example.

(v) Discuss the usage of the COCOMO Model in brief.

(vi) List any *four* uses of UML diagram.

(vii) Write any *two* qualities of a good SRS.

(viii) Explain the term software used in short.

Section–B   4×14=56

(Short Answer Type Questions)

Note :– Answer any *four* questions. Answer should not exceed **200** words. Each question carries 14 marks.

2. Explain in detail about software reliability metrics with example.

3. Explain waterfall model for software life-cycle in detail.

4. What do you mean by modularity in Computer Software ? Discuss Cohesion and Coupling.

5. Explain DFD diagram with suitable examples.

6. Differentiate between White Box Testing and Black Box Testing with suitable examples.

7. Write a short note on Software Re-engineering Process Model.

8. Write a detailed note on User Interface Design.

9. How do you estimate the maintenance cost of the software ? Explain with process models.