

12. Explain the following :

- (a) Software Re-engineering
- (b) Software cost estimation

13. Differentiate between the following :

- (a) LOC Vs. Function Point
- (b) Unit Vs. Integration Testing

BCA-08

June – Examination 2024

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.

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) Types of Requirements.
- (ii) What is Scalability ?
- (iii) What is Regression Testing ?
- (iv) Name *one* Cost Estimation Model.
- (v) Inter-dependence of modules is
- (vi) document acts as a contract between customer and company.
- (vii) List any *two* software metrics.

Section-B **4×7=28**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 7 marks.

2. What is Software Requirement Specification ?
3. What do you mean by Risk Analysis ?
4. Compare prototyping and agile models.
5. What do you mean by Software Design ?

6. Discuss any *two* types of White Box Testing with suitable examples.
7. How do we define Software Quality ?
8. Discuss the significance of UML diagrams in software modelling.
9. Discuss the most preferred types of cohesion and coupling.

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 the Spiral Model. Discuss its advantages and disadvantages.
11. What do you mean by Software Architecture ? Which diagrams are used to represent it ?