

BCA-08

December – Examination 2022
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) What is White Box Testing ?
- (ii) Define Metrics.

- (iii) Define Software Requirement.
- (iv) What is Unit Testing ?
- (v) Give full form of DFD.
- (vi) What is use of CASE ?
- (vii) Define Verification.

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. Discuss various characteristics of software.
3. Discuss software design principles.
4. Write short note on Software Quality Assurance.
5. What are various principles of structured analysis ?
6. Briefly discuss software project estimation.
7. Write short note on Re-engineering.
8. Write short note on user interface design process.
9. Explain the testing objectives and its principles.

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. Describe the COCOMO Model of Software Engineering.
11. What is Project Management ? Explain various activities of Project Management.
12. What is Software Process Model ? Explain the advantages and disadvantages of Spiral model and Prototyping model.
13. What do you mean by Software Testing ? Why is it required ? Also explain different types of testing techniques.