

BCA-08

December - Examination 2019

BCA Pt. II Examination**Software Engineering****Paper - BCA-08****Time : 3 Hours]****[Max. Marks :- 70**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**7 × 2 = 14****(Very Short Answer Questions)**

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

1.
 - i. What is Quality Assurance?
 - ii. What are the elements of software maintenance?
 - iii. Define Unit Testing.
 - iv. Define operational descriptive specification.
 - v. Write name of structures analysis tools.
 - vi. What is Debugging?
 - vii. What is Post-implementation?

Section - B $4 \times 7 = 28$ **(Short Answer Questions)**

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

2. Explain elements of software testing phase.
3. Explain decision table with example.
4. Explain various levels of DFD.
5. What is software process model. Explain with example.
6. Explain procedural design.
7. Explain COCOMO model.
8. Explain procedural design.
9. Why C.A.S.E. is useful in s/w engineering.

Section - C $2 \times 14 = 28$ **(Long Answer Questions)**

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

10. Write short note:
 - i. Quality control improvements
 - ii. Product capabilities
11. Explain following:
 - i. Software metrics
 - ii. Waterfall model
12. Explain followings:
 - i. Data modelling
 - ii. Project planning
13. Describe importance of software requirement analysis.