

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BC-382

B.C.A. (Part-III) Examination, 2022

SOFTWARE ENGINEERING

Paper - BCA-301

Time : 3 Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit 50 words). Each question carries 2 marks.

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit 200 words). Each question carries 4 marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit 500 words). Each question carries 10 marks.

Section-A

1. (i) What is Software ?
- (ii) What do you mean by McCall's Quality factors ?
- (iii) Explain Metrics.
- (iv) Describe Module Level concepts.

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- (v) What is OOD ?
- (vi) Explain Fault Isolation.
- (vii) What is Testing ?
- (viii) What do you mean by CBSE ?
- (ix) Explain UML.
- (x) What is Interfaces ?

Section-B

2. Explain need of feasibility analysis.

Or

Explain linear sequential model.

3. Describe Designing Principles.

Or

Explain module level concepts of estimation.

4. Explain various types of coupling methods which are used in software design purpose.

Or

What is Cocomo Model ? Explain how to use it is software cost estimation.

5. Explain debugging process used in software testing phase.

Or

How we use Design Notation in Object Oriented Designing ?

6. Explain role of UML class diagram.

Or

What kind of UML notations ? Explain.

Section-C

7. Describe Software Requirement Analysis and Specification in detail.
8. Explain module level concepts of Cohesion and Coupling.
9. How to fixing fault isolation in Debugging process of Software ?
10. Describe structural testing and functional testing.
11. Write short notes on the following :
 - (i) Aggregation
 - (ii) Multiplicity
 - (iii) Interfaces