Roll No. ....   **Total No. of Printed Pages : 4**

Code No. : BC-394

Online Annual Examination, 2022

B.C.A. Part III

Paper IV

SOFTWARE ENGINEERING

Time : Three Hours]   [Maximum Marks : 80

Note : *Section 'A', containing 10 very short answer type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.*

Section 'A'

Answer the following very short answer type questions in one or two sentences.   **1 × 10 = 10**

1. Write definition of software engineering.

2. Define software product.

3. What do you mean by system design ?

4. What is idealised design ?

5. What is low-end case tools ?

6. What is main role of data flow diagram ?

7. What do you mean by software quality assurance ?

8. What is software testing ?

9. What is integrating software ?

10. What is basic fundamental of software projects ?

Section 'B'

*Answer the following short answer type questions with word limit **150-200**.*   **4 × 5 = 20**

1. Describe the knowledge engineering.

Or

Explain the system specification.

2. Explain the data oriented design.

Or

Describe the coupling.

3. Explain how to choice programming language.

Or

Describe the Re-engineering.

4. Explain the white box testing.

Or

Explain the program complexity analysis.

5. Describe the project work background structures.

Or

Discuss how to monitoring project.

Section 'C'

*Answer the following long answer type questions with word limit **300-350**.*   **10 × 5 = 50**

1. Describe the databased analysis.

Or

Explain the partitioning and projection.

2. Describe the object oriented design.

Or

Describe the design matrics.

3. Explain the entity-relationship diagrams with giving suitable example.

Or

Describe the coding standard.

4. Discuss the software cost estimation issues.

Or

Explain the COCOMO model.

5. Discuss how to control project.

Or

Write short note on software project team.

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