

Roll No.

BCA-602(N)

B. C. A. (Sixth Semester)

EXAMINATION, Sept., 2020

(New Course)

Paper Second

**INFORMATION SYSTEM : ANALYSIS DESIGN &
IMPLEMENTATION**

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt questions from all Sections as directed.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

Section—A

(Short Answer Type Questions)

Note : All questions are compulsory. Each question carries 3 marks.

1. (A) What is the need of stages in software development life cycle ?
- (B) What are the requirements of a good coding scheme ?
- (C) What is fact finding ? How to do fact finding ?

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- (D) List the advantages of case tools.
- (E) What is a data dictionary ? Explain.
- (F) What is the difference between a class and an object ?
- (G) Write down the characteristics of Software Market.
- (H) What are standards ? Explain the ISO standards.
- (I) What is Brainstorming ? How does it differ from group discussion ?

Section—B

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 12 marks.

- 2. What are the rules for constructing DFD ? Construct Level 0 and Level 1 DFD for online examination system.
- 3. What is structures walkthrough ? Explain the process of structured walkthrough.
- 4. What do you mean by feasibility study ? Explain different types of feasibility study.
- 5. What is interview and questionnaire ? What are the differences between them ?

Section—C

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 12 marks.

- 6. What are the characteristics of object oriented paradigm ? Discuss with an example.

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7. What is the purpose of capacity maturity model ? What are the 5 levels of CMM ?
8. Explain the cost estimation and its different approaches. Give a brief requirements specification for train reservation system.
9. What is project scheduling ? Explain the various project scheduling techniques.