

## U. G. 6th Semester Examination 2022

### B.C.A. (Honours)

Paper Code : DC-13

[CBCS]

Full Marks : 32

Time : Two Hours

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

#### Group - A

Answer any **six** questions.

2×6=12

1. (a) What are the characteristics of good SRS document?
- (b) State the importance of scheduling activity in Project management.
- (c) Distinguish between verification & validation.
- (d) Which process model leads to software reuse? Why?
- (e) What is structure chart?
- (f) Explain Software Quality Assurance.
- (g) Explain the feasibility study.

#### Group - B

Answer any **two** questions.

10×2=20

2. (a) Explain the classical waterfall Model.
  - (b) State the problems encountered while using the classical waterfall model.
  - (c) Why spiral model is considered as meta model? 4+2+4=10
  3. (a) Explain any one white box testing technique with example.
  - (b) What is McCabe's cyclomatic complexity? State the application of it.
  - (c) Explain boundary value analysis with example. 4+(2+1)+3=10
  4. (a) Draw the DFD of Library Management System up to level 2.
  - (b) Write short note on the following-
    - (i) Integration Testing
    - (ii) COCOMO Model 5+(2½×2)=10
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