

MCA (Revised) / BCA (Revised)

Term-End Examination

December, 2021

MCS-014 : SYSTEMS ANALYSIS AND DESIGN

Time : 3 hours

Maximum Marks : 100

(Weightage : 75%)

Note : *Question no. 1 is compulsory. Attempt any three questions from the rest.*

1. (a) Draw DFDs up to 2nd level (start from Level-0) for a 'Hospital Information System'. Make necessary assumptions. 10
- (b) Explain any two tasks that are performed during 'Design' phase of SDLC. 10
- (c) Draw ERD for a 'Hospital Information System'. Make necessary assumptions. 10
- (d) What is meant by 'Design Support System (DSS)' ? Explain various components of it. 10
2. (a) What is meant by 'Feasibility Study' ? Explain any two types of feasibility studies. 10
- (b) Write SRS for a 'Hospital Information System'. Make necessary assumptions. 10

- 3.** (a) What is meant by MIS ? Explain any two functions of MIS in a business organisation. 10
- (b) What is a Use Case Diagram ? What is a Class Diagram ? Explain with examples. 10
- 4.** (a) Explain any two fact-finding techniques. 10
- (b) What is the need for Concurrent Audit Techniques ? Explain any four concurrent audit techniques. 10
- 5.** (a) Explain any five criteria for design of reports. 10
- (b) Explain the rules for naming Tables and Fields. 10
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