

Total Pages : 3

**End Semester Examination of Semester–III, 2015**

**Subject : BCA (HONS.)**

**Paper : 2113 (System Analysis & Design)**

**Full Marks : 70**

**Time : 3 Hrs**

*The figures in the margin indicate the marks corresponding to the question*

*Candidates are requested to give their answers in their own word as far as practicable.*

*Illustrate the answers wherever necessary.*

**Group A**

1. Answer **any five** questions : 2X5=10
- i) What is System?
  - ii) What is prototyping?
  - iii) What do you mean by entities and attributes of a table in a database design?
  - iv) Differentiate between Logical System description and Physical System description.
  - v) What is reusability?
  - vi) What is necessity of System analysis?
  - vii) What is verification?
  - viii) State the need of data dictionary?

( 2 )

**Group B**

Answer **any five** questions : 5×4=20

2. What levels of quality assurance must a system meet? Explain.
3. Explain the role of the data processing Auditor?
4. How a file organization and database organization different from each other?
5. What is Code inspection? Write down its function. 1+3
6. Discuss the role of DBA.
7. What is Configuration Management?
8. Discuss about Decision Tree.

**Group C**

Answer **any four** questions : 4×10=40

9. Discuss the concepts of MIS & DSS. How are they related? How do they differ?  $5+2\frac{1}{2}+2\frac{1}{2}$
10. What is SDLC? Describe all phases of SDLC. 2+8
11. a) What information is available from internal and external sources? Under what circumstances would the analyst depend more heavily on external than internal informal? Why?
- b) List and explain the primary steps in interviewing. 5+5

( 3 )

12. a) What is risk analysis? Write down the activities of risk management. 2+4
- b) How the risk is reduces in system analysts and design procedure. 4
13. a) What is Data flow? How Data stores are used in DFD? 1+2
- b) Explain the different levels of DFD. 3
- c) What are the rules for drawing DFDs? 4
14. Discuss about cost/benefit analysis. What is black box & white box testing? 5+5
-