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BCA405E3

Fourth Semester B.C.A. Degree Examination, September 2022
SYSTEM ANALYSIS AND DESIGN (Elective)

Time : 3 Hours

Max. Marks : 60

Note : Answer **any ten** questions from Part – **A** and **any five full** questions from Part – **B**.

PART – A

(10×1=10)

1. a) Define computer based information system.
- b) Who is System Analyst ?
- c) What do you mean by outsourcing ?
- d) What is a homogeneous network ?
- e) What is prototyping ?
- f) What is economic feasibility ?
- g) Define functional dependency.
- h) Mention any two types of coupling.
- i) What is Inspection ?
- j) What is testing ?
- k) What is project dictionary ?

PART – B

2. a) Explain the activities of management process to build an information system.
- b) Write a note on centralized systems.

(6+4)

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- 3. a) Explain the different methods of gathering information.
b) Explain the different analyzing techniques of ethnography. **(6+4)**

 - 4. a) Explain the different types of team structure.
b) Explain ER diagram and DFD. **(5+5)**

 - 5. a) Explain the different phases of waterfall cycle.
b) What are post implementation review and maintenance ? Explain. **(6+4)**

 - 6. a) What are the items to be included in document during documentation ?
Explain.
b) Write note on menus and templates. **(7+3)**

 - 7. a) Explain Interface design tools.
b) Explain the Decision Table and Decision Tree with examples. **(5+5)**

 - 8. a) Explain normal and non-normal forms of a relation. Explain with example.
b) Explain the roles of each member of walkthrough team. **(5+5)**

 - 9. a) Explain structure chart with suitable example.
b) Explain the different types of coupling techniques. **(5+5)**
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