Q Printed Pages : 4

Paper Code : BCA220202

17 BCA (Year-I) (Semester-II) Examination, 2022

COMPUTER APPLICATION

| Paper : Second |

(System Analysis and Design)

Time : 3 Hours| **|Maximum Marks : 100**

Note : Attempt questions from all sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Attempt all questions of this section. Give answer of each question in about **50** words. [10×2=20]

1. (i) What is user interface design?

(ii) What is the real time system?

(iii) Write any five task performed by the system analyst.

(iv) What do you mean by initial investigation?

(v) Write the principle of good form design.

(vi) What is system documentation?

(vii) What do you mean by open and closed system?

(viii) What is iconic menu?

(ix) What is EDP?

(x) What is system testing?

Section-B

(Short Answer Type Questions)

Note : Attempt all questions of this section. Give answer of each question in about **200** words. [5×10=50]

2 Define the following documentation :

(a) Operational documentation

(b) User documentation

OR

Define system boundary and environment with example.

3 Explain the rules of EDP Manager?

OR

Explain the role of computer programmer and system analyst

4 What is DFD (Data Flow Diagram)? Explain rules to be followed while drawing a DFD.

OR

What is data dictionary? What rules are to be applied while constructing a data dictionary?

5 Explain briefly the function of the following :

(a) Production

(b) Finance

OR

Explain the different duties performed by a system analyst

6 Explain the following :

(a) Graphical user interface

(b) Transaction report

(c) Form design

OR

Explain Gantt Chart with diagram

Section-C

(Long Answer Type Questions)

Note : Answer **any two** questions of this section. Give answer of each question in about **500** words. [2×15=30]

7. Define a system and explain it's characteristics.

8. What are the tools of structural analysis and design? Describe each tool.

9. What do you understand about 'Fact Finding Method' of system analyst? Explain.

10. Write down the steps of initial investigation.

11. Describe the system development life cycle. Explain its various phase.

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