Roll No. ....

B.C.A. (III)

1735   Sys. Anal. and Desi.

B.C.A. Part-III
EXAMINATION - 2021
Paper - V
BCA 305 - System Analysis and Design

Time Allowed : **Three** Hours

Maximum Marks : **80**

Note : 1. Question No. 1 is Compulsory. Attempt any four from the remaining questions.

2. All questions carry equal marks.

1.   (a)   What is a form?   2×8=16

(b)   Define HIPO chart.

(c)   What kind of information we need at the time of system planning?

(d)   What do you understand by cost benefit analysis?

(e) Define Brainstorming.

(f) Differentiate between corrective maintenance and adaptive maintenance.

(g) Define system security.

(h) What is feasibility report?

2. Write short notes on following :   4×4=16

(a) Elements of system

(b) Levels of quality assurance

(c) Feasibility study

(d) On site observation

3. Differentiate between following :   4×4=16

(a) Decision Table and Decision Tree

(b) System Analysis and System Design

(c) Questionnaire and Interview

(d) Tangible Cost and Intangible Cost

4. (a) Draw a DFD of Employee Pay roll system.   8

(b) Write brief note on Audit Trail and Documentation.
8

5. (a) Explain various Quality Factor specification.   8

(b) Explain Post Implementation Review. 8

6. (a) What are Ethics in system development? Explain. 8

(b) What is Testing? Explain various types of Testing. 8

7. Write short notes on the following : 4×4=16

(a) Disaster and Recovery

(b) Input output form Design

(c) Data Dictionary

(d) Software maintenance.

8. What do you understand by SDLC? Explain various phases in SDLC. 2+14=16

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