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(Printed Pages 4)

18/102-C

B.C.A.(Second Semester) (Regular)

Examination, 2018

Paper : Second

System Analysis and Design

(BCA-202)

Time : Three Hours]   *[Maximum Marks : 70*

Note : Attempt questions from **all** sections as per instructions.

Section - A

Note : Attempt **all** parts of this question. Give answer of each part in about 50 words.   1.5×10=15

1.   (i)   What is a system?

     (ii)   What are the various elements of system?

     (iii)   Explain feasibility report.

     (iv)   What is system maintenance?

P.T.O.

     (v)   What is EDP?

     (vi)   Explain system proposal.

     (vii)   What is planning?

     (viii)   What is programming standards?

     (ix)   What is user manual?

     (x)   Explain system performance constraints.

Section - B

Note : Attempt **all** questions. Give answer of each question in about 200 words.   7×5=35

2.   What is different type of fact gathering technique? Explain it.

OR

   What are the various levels of testing?

3.   Define IPO and HIPO charts in detail.

OR

   What is SDLC? Explain various phases of SDLC.

4.   What is quality assurance? Explain it.

OR

   What are the process of design?

18/102-C

5. What are the essential features of EDP organization?

OR

What is cocomo model? Explain it.

6. What are the system model. Explain it in details.

OR

What are the steps of system implementation.

Section - C

Note : Attempt any **two** questions. Give answer of each question in about 500 words.

$10 \times 2 = 20$

7. What is feasibility study? What are the various types of feasibility study. Explain it in detail.

8. What is system Analyst? What are different Role and Responsibility of system Analyst?

9. Write the short notes on any **two** :

(a) System analysis standards.

(b) Decesion Tree

(c) Dimension of planning.

10. What do you mean by maintainance? What are the different types of system maintainance?

11. Explain the following :

(a) Selection of data processing resources.

(b) Water fall model.