

“प्रश्न-पत्र पर क्रमांक (रोल नम्बर) के अतिरिक्त कुछ भी न लिखे, अन्यथा इसे अनुचित साधनों का प्रयोग माना जायेगा तथा नियमों के अनुसार कार्यवाही की जायेगी।”

*"Do not write anything on question-paper except Roll Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules."*

Roll No. ....

**B.C.A. (III)**

**1735**

**Sys. Anal. & Desi.**

**B.C.A. (PART - III) EXAMINATION - 2020**

**Paper -V**

**BCA-305 : SYSTEM ANALYSIS & DESIGN**

**Time - Three Hours**

**Maximum Marks - 80**

Note:- (1) Question No.1 is compulsory. Attempt any FOUR questions from the remaining questions .

(2) All questions carry equal marks .

नोट:- (1) प्रश्न संख्या एक अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान हैं।

1.
  - (a) What do you mean by open and closed system?
  - (b) Explain technical and operational feasibility.
  - (c) Explain Gantt chart in detail.
  - (d) What is operating standard? Explain.
2.
  - (a) What do you mean by a system? Explain various characteristics of a System.
  - (b) Explain various elements of a system. What do you mean by man-made information system?
3.
  - (a) What do you understand by SDLC? Why it is useful for system development?
  - (b) Explain various phases of SDLC in detail.
4.
  - (a) What do you mean by decision tree? Write its advantages and disadvantages.
  - (b) Explain IPO and HIPO charts using suitable example.
5.
  - (a) What do you understand by decision table? Explain decision table using suitable example.
  - (b) What is the need of documentation? Explain system development manual and programming manual in detail.
6.
  - (a) What do you mean by system testing? Explain various types of testing.
  - (b) Explain system implementation and software maintenance in detail.

7. (a) Explain system security in detail. What is risk analysis ?
- (b) What is Quality Assurance ? Why it is important ?  
How it is achieved ?
8. Write short note on any four -
- (a) System Planning .
- (b) Physical and Abstract system .
- (c) Initial Investigation .
- (d) Cost and benefit analysis .
- (e) Data dictionary .
- (f) Programming standard .