I Semester BCA Examination, FEB/MAR 2022

NEP - 2021 ONWARDS

Subject: COMPUTER SCIENCE

CA-C2T: PROBLEM SOLVING TECHNIQUES

Time: 2 hours	**Max. Marks: 60**

Instruction: Answer *any* FOUR questions from *each* part

PART- A

[2m x 4q = (8 marks)]

ANSWER ANY 4 QUESTIONS

Each question carries 2 marks (concept based)

6 QUESTIONS TO BE SET* (Answer any 4 questions)

(Question Numbers: 1,2,3) from Unit-1 & Unit-2
(Question Numbers: 4,5,6) from Unit-3 & Unit-4

PART-B

[5m x 4q = (20 marks)]

Each question carries 5 marks (numerical problems /algorithm/ tracing/flowcharts/programs based)**

6 QUESTIONS TO BE SET* (Answer any 4 questions)

(Question Numbers: 7,8,9) from Unit-1 & Unit-2
(Question Numbers: 10,11,12) from Unit-3 & Unit-4

PART-C

[8m x 4q = (32 marks)]

Each question carries 8 marks (long answers / short notes / logical thinking ….)

6 QUESTIONS TO BE SET* (Answer any 4 questions)

(Question Numbers: 13,14,15) from Unit-1 & Unit-2
(Question Numbers: 16,17,18) from Unit-3 & Unit-4

Note :

- In each part of the question paper first three questions should be set from the first TWO units of the syllabus and next three questions should be set from second half (last TWO units) of the syllabus.

- Questions in Part-B should contain numerical problems / algorithms / flowcharts / code programs … in the specific cases of discipline core subjects, where problem solving is an essential component of learning.

- Questions of Part B and Part C may contain subdivisions i.e.,
    - (i) questions 7 to 12 of Part B may be split into a, b & division of marks in such cases should be clearly indicated – for example 2 + 3=5 marks or 1+4=5 marks. Similarly
    - (ii) question 13 to 18 of Part C may be split into a, b, c with division of marks clearly indicated – for example 3+5=8 marks or 2+6=8 marks or 2+3+3=8 marks and so on).