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# COMPUTER SCIENCE SSC-I

Time allowed: 2:40 Hours

Total Marks Sections B and C: 43

NOTE:- Answer any nine parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

## SECTION – B (Marks 27)

**Q. 2** Answer any NINE parts from the following. All questions carry equal marks. (9 x 3 = 27)

- (i) Briefly describe any three characteristics of 3<sup>rd</sup> generation of computers.
- (ii) Compare:
  - a. Multimedia designer and
  - b. Web designer
- (iii) Compare single user and multi user operating systems.
- (iv) Enlist any three advantages of GUI.
- (v) State the differences between synchronous and asynchronous transmission modes.
- (vi) Give any three reasons why guided communication media is more reliable than unguided media.
- (vii) Describe any three difficulties a company may face in running a business without having computer network.
- (viii) Enlist limitations of star topology.
- (ix) Draw a brief comparison of:
  - a. Hacker and
  - b. Cracker
- (x) Mention any three drawbacks of software piracy.
- (xi) Describe any three elements of communication system.
- (xii) Mention any three tasks performed by operating system.
- (xiii) Why are hyperlinks created in Word document?

## SECTION – C (Marks 16)

**Note:** Attempt any TWO questions. All questions carry equal marks. (2 x 8 = 16)

- Q. 3**
- a. What are printers? Explain their types. (04)
  - b. Write a short note on cache memory. (04)
- Q. 4**
- a. Define communication system. Explain characteristics of good communication system. (04)
  - b. Enlist characteristics of WAN with diagram. (04)
- Q. 5** What are common methodologies used for authentication? Write in detail. (08)