



COMPUTER STUDIES HSSC-II

53

Time allowed: 2:15 Hours

Total Marks Sections B and C: 40

NOTE: Answer any eight 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 24)

Q. 2 Answer any EIGHT parts. The answer to each part should not exceed 3 to 4 lines. (8 x 3 = 24)

- (i) Compare and differentiate storage and memory.
- (ii) Software brings the machine to life. Comment.
- (iii) Briefly discuss the role of Arithmetic and Logic Unit.
- (iv) Define optical character recognition.
- (v) How CD-ROM speeds are measured?
- (vi) Write at least three differences between digital and analog computers.
- (vii) Convert the following:
 - a. $34 = (?)_2$
 - b. $(100010)_2 = (?)_{16}$
- (viii) Write down the operator's precedence.
- (ix) Name any six High Level Languages.
- (x) What will be the output of the following BASIC code?
10 CLS
20 N=1
30 WHILE N<5
40 PRINT N, N^2, N^3
- (xi) Draw flowchart for the above given BASIC code.

SECTION – C (Marks 16)

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

- Q. 3** Write a program and algorithm that reads temperature in Celsius and convert it into Fahrenheit.
- Q. 4** Define plotters. Discuss its types in detail.
- Q. 5** Explain the uses of computers in the following fields:
 - a. Banking
 - b. Education
 - c. Medical
 - d. Engineering