



COMPUTER STUDIES HSSC-II

SECTION – A (Marks 10)

50

Time allowed: 15 Minutes

Version Number 1 8 9 5

Note: Section – A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which should be completed in the first 15 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.

- 1) How many types of language translators are there?
A. 5
B. 2
C. 3
D. 4
- 2) The number of bits in a nibble is:
A. 4
B. 5
C. 6
D. 7
- 3) A chart is used to represent data in _____ form.
A. Numerical
B. Graphical
C. Tabular
D. Algorithmic
- 4) Laser stands for:
A. Light Amplification by Systematic Emission of Radiation
B. Light Acceleration by Simple Emission of Radiation
C. Light Amplification by Stimulated Emission of Radiation
D. Light Acceleration by Small Emission Ratio
- 5) Which of the following is **NOT** a symbol used in flowcharts?
A. Parallelogram
B. Oval
C. Rectangle
D. Triangle
- 6) Which of the following is **NOT** an application software?
A. Word processor
B. Spreadsheet
C. Operating system
D. MS Access
- 7) Softcopy refer to:
A. Keyboard
B. Screen Output
C. Plotter
D. Printed paper
- 8) In Basic, non-executable statement is:
A. REM
B. RENAME
C. STOP
D. END
- 9) Another name for modulus operator is:
A. Concatenation
B. Remainder
C. Logical
D. Integral division
- 10) A loop within the loop is called a:
A. Complex loop
B. Conditional loop
C. Infinite loop
D. Nested loop



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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) Give any three differences between impact printers and non-impact printers.
- (ii) Write down any three characteristics of a 'hard disk'.
- (iii) Define data processing.
- (iv) List the names of high level languages.
- (v) What are the differences between INPUT and READ DATA statement?
- (vi) Convert $(F6)_{16}$ into binary number system.
- (vii) What is an expression in GW-BASIC? Also write the names of any three expressions.
- (viii) Write down the syntax of WHILE...END loop with a suitable example.
- (ix) How many types of major applications for research development are there?
- (x) Find the 1st complement of $(1110)_2$.
- (xi) Draw a flowchart to find the factorial of a number $(n!)$.

SECTION – C (Marks 16)

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

Q. 3 What is problem solving? What are the different stages of problem solving?

Q. 4 Write short notes on the following:

- | | |
|----------------------|-------------|
| a. Portable computer | b. EPROM |
| c. Control Statement | d. Zip Disk |

Q. 5 Define the different types of variables in GW-BASIC. Also discuss different rules for naming variables in GW-BASIC.