



APPLIED SCIENCES HSSC-II

97

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any twelve 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 Attempt any **TWELVE** parts. The answer to each part should not exceed 2 to 4 lines. (12 x 2 = 24)

- (i) Write down the characteristics of display screens.
- (ii) List any two output devices of computer.
- (iii) Differentiate between Bit and Byte.
- (iv) Briefly describe **World Wide Web** and **Electronic mail**.
- (v) Describe briefly the System software.
- (vi) What are the four basic characteristics of computer?
- (vii) Distinguish between Analog and Digital signals.
- (viii) Briefly describe Dot Matrix Printer.
- (ix) What is meant by **DICOM** and **PACS**?
- (x) What is CPU?
- (xi) What is Hazard surveillance?
- (xii) List the types of Infection.
- (xiii) List the different modes of the spread of infection.
- (xiv) Write down the drawbacks of improper disposal of hospital wastes.
- (xv) What is Safety?
- (xvi) Briefly describe the Chemical burns.

SECTION – C (Marks 16)

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

- Q. 3**
- a. Explain the causes of computer virus. (05)
 - b. Describe the uses and benefits of LAN. (03)
- Q. 4**
- a. Explain the three cardinal principles of radiation protection. (05)
 - b. Describe the biological effects of ionizing radiation. (03)
- Q. 5**
- a. Write a detailed note on workplace hazards and methods of protection. (05)
 - b. Describe patient safety in the emergency department. (03)