2019

Roll No. | | | | | | |

Answer Sheet No._____

Sig. of Candidate._____

Sig. of Invigilator._____

APPLIED SCIENCES HSSC–II

SECTION – A (Marks 10)

Time allowed: 10 Minutes

NOTE:- **Section–A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 10 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.**

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

(i) What is the quantity called which does the actual work?

A. Voltage B. Current

C. Power D. Energy

(ii) Which is called the Risk current?

A. Ionic current B. Load current

C. Leakage current D. Current produced in the battery

(iii) What is the safe value of leakage voltage in the critical area of the hospital?

A. 500 volts B. 40 volts

C. 500 Milli volts D. 40 Milli volts

(iv) What is the unit of measurement for radiation absorbed by the patient?

A. Roentgen B. Curie

C. Rem D. Rad

(v) Which of the following organism are responsible of spreading diseases through blood contact only?

A. Bacteria B. Virus

C. Amoeba D. Parasite

(vi) Which of the following is the part of computer system that can be touched and seen by us?

A. User B. Data

C. Software D. Hardware

(vii) Which is the smallest unit usually used for measurement of memory?

A. Byte B. Bit

C. Kilobyte D. Megabyte

(viii) Which of the following types of computer is particularly used for network server?

A. Super Computer B. Maiframe

C. Minicomputer D. Microcomputer

(ix) Which of the following is called pointing device?

A. Key Board B. Optic Devices

C. Touch screen devices D. Mouse

(x) Which of the following is used for price calculations in the business?

A. Pen B. Touch screen

C. Joystick D. Bar code readers

For Examiner's use only:

Total Marks: 10

Marks Obtained:

2019

APPLIED SCIENCES HSSC–II

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 she et 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) List the five most common types of computer systems.

(ii) Identify the five key groups on a standard computer keyboard.

(iii) Identify three common variants of the mouse.

(iv) List two reasons why some computer users prefer alternative methods of input to standard keyboard or mouse.

(v) List the two most commonly used types of computer monitors.

(vi) List the three most commonly used types of printers.

(vii) List all the processors in Intel's 80 x 86 lines of processors.

(viii) Name four components found in most graphical user interfaces.

(ix) Define Safety.

(x) What is Myocadial Infarction?

(xi) What is fibrillation and how it can be controlled?

(xii) What is Earthing? Why is it needed?

(xiii) What is Radiation? How can you protect yourself from radiation?

(xiv) What is Infection Control?

(xv) Write down the working principle of electric motor.

(xvi) What is Isolation?

SECTION – C (Marks 16)

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

Q. 3 Discuss the physiological effects of electric current.

Q. 4 Describe the purpose of a mouse and the techniques for using a mouse.

Q. 5 List two types of optical input devices. Also describe their uses.