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) Which of the following is defined as "unexpected event"?

A.	Danger	B.	Risk
C.	Accident	D.	Shock

(ii) Which machine is used in place of S.A. node of the heart?

A.	Defibrillator	B.	Pacemaker
C.	Echocardiogram	D.	ECG

(iii) Which of the following is called Risk Current?

A.	Induced current	B.	Resistive current
C.	Leakage current	D.	Inductive current

(iv) Which of the following is used to measure radiation absorbed dose?

A.	Curie	B.	Gray
C.	Roentgen	D.	Becquerel

(v) Which Electromagnetic radiation has the highest energy?

A.	X-Rays	B.	Microwaves
C.	Blue light	D.	FM Radio

(vi) What type of computer is used in the complex research organizations?

A.	Mainframe	B.	Super computer
C.	Micro computer	D.	Mini computer

(vii) Which of the following is an application software?

A.	Windows	B.	Unix
C.	DOS	D.	MS Office

(viii) Which of the following is an input device?

A.	Monitor	B.	Printer
C.	CPU	D.	Keyboard

(ix) Which of the following softwares is meant for computer's own function?

A.	Application software	B.	MS Office
C.	System software	D.	Word processor

(x) A vertical line of cells in MS Excel is called a _____.

A.	Row	B.	Column
C.	Formula bar	D.	Work sheet

For Examiner's use only:

Total Marks: 10

Marks Obtained: ☐

—— 2HA 1249 ——

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 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)   What is Micro Shock?

   (ii)   What is hazard surveillance?

   (iii)   Write briefly the types of infection.

   (iv)   What is Earthing?

   (v)   What is Ventricular Fibrillation?

   (vi)   What is Safety?

   (vii)   What is Macro Shock?

   (viii) Briefly write the radiation safety principles.

   (ix)   List any three input devices.

   (x)   What are RAM and Wizard?

   (xi)   What is Software? List three softwares which are commonly used.

   (xii)   Differentiate between Application and System software.

   (xiii) Briefly write the types of printers.

   (xiv)   What are the different input methods for a computer?

   (xv)   What is Graphical User Interface?

   (xvi)   What are the main functions of an operating system?

SECTION – C (Marks 16)

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

Q. 3   Discuss the purpose, structure, working, and application of Wide Area Network (WAN).

Q. 4   Discuss CPU. Describe how sectors and tracks help the hard disk to store the data.

Q. 5   Discuss the workplace hazards and methods of protection.

—— 2HA 1249 ——