Roll No.

Sig. of Candidate._____

Answer Sheet No._____

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 a volatile memory?

A.	ROM	B.	RAM
C.	EPROM	D.	PROM

(ii)   Which of the following is defined as Raw facts which computer can mainipulate and process into information?

A.	Data	B.	Hardware
C.	Software	D.	CPU

(iii)   Which of the following manages all the devices and performs actual processing of data ?

A.	ALU	B.	Monitor
C.	Processor	D.	CPU

(iv)   How many minimum keys are there in a standard keyboard?

A.	100	B.	105
C.	102	D.	110

(v)   Which of the following requires a sound card in the PC?

A.	Speech recognition	B.	Video input
C.	Audio input	D.	Microphone

(vi)   What is "an unexpected occurrence of that interrupts regular progress of an activity" called?

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

(vii)   What is threshold of perception?

A.   Minimum current that an individual can detect

B.   Maximum current at which individual can withdraw himself

C.   Leakage current

D.   Risk current

(viii)   What is the safe limit of leakage current?

A.	100 micro-amps	B.	90 micro-amps
C.	50 micro-amps	D.	10 micro-amps

(ix)   What type of protection can a circuit breaker provide?

A.	Short circuit protection	B.	Fire protection
C.	Over current protection	D.	No protection

(x)   Wherever extension is required, we should at least use_____

A.	Two pin plug	B.	Three pin plug
C.	Four pin plug	D.	Five pin plug

For Examiner's use only:

Total Marks:	10
Marks Obtained:	

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APPLIED SCIENCES   HSSC–II

Time allowed: 2:20 Hours

Total Marks Sections B and C:

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)   What is let go current?

  (ii)   What is leakage current?

  (iii)   What is myocardial infarction?

  (iv)   Why do we use Defibrillator?

  (v)   What is Radiation?

  (vi)   What are the Mouse Techniques?

  (vii)   What is Work station?

  (viii)   List any four input devices.

  (ix)   What is CPU?

  (x)   How is memory measured?

  (xi)   Name any four types of utility softwares.

  (xii)   List two features that made the Macintosh OS popular.

  (xiii)   List the various versions of windows.

  (xiv)   Write a short note on Radiation effects.

  (xv)   What is infection control?

  (xvi)   What is Isolation?

SECTION – C (Marks 16)

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

Q. 3 Write a detailed note on the Electrical safety.

Q. 4 Write down an essay on Hardware.

Q. 5 Write down the procedure of selecting a monitor.

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