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COMPUTER STUDIES
HSSC–II
SECTION – A (Marks 10)
Time allowed: 15 Minutes

Candidate Sign. _____

Invigilator Sign. _____

Answer Sheet No. _____

Signature should not cross this line

Version No.				
4	0	1	9	1

ROLL NUMBER						

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed.
Do not use lead pencil.

Fill the relevant bubble against each question according to curriculum:

	Question سوال	A	B	C	D	A	B	C	D
1.	The most common form in which a modern computer is found today is called:	Super computer	Mainframe computer	Mini computer	Personal computer	○	○	○	○
2.	CPU includes all of the following components **EXCEPT**:	RAM	ALU	CU	Registers	○	○	○	○
3.	Memory chips ratain their contents indefinitely without constant electronic refreshment:	DRAM	DROM	SRAM	SROM	○	○	○	○
4.	Which of the following is **NOT** an application software?	Word Processor	Spread sheet	Database	Operating system	○	○	○	○
5.	$3\times10^{1}+7\times10^{0}$ is equal to:	3.7	37	370	30	○	○	○	○
6.	Equivalent of $(225.225)_{10}$ in Octal number system is:	34.16314	341.16314	43.41361	143.16314	○	○	○	○
7.	In a flowchart which symbol is used to represent a decision-making step?	Diamond	Oval	Rectangle	Parallelogram	○	○	○	○
8.	Which of the following statements temporarily stops the execution of a program?	BREAK	END	PAUSE	STOP	○	○	○	○
9.	For A=4 and B=4, which evaluates as true?	A<>B	A>B	A<B	A>=B	○	○	○	○
10.	A control structure that causes a statement or group of statements to repeat is called:	Cycle	Selection	Loop	Sequential	○	○	○	○

COMPUTER STUDIES HSSC–II

Time allowed: 2:15 Hours **Total Marks Sections B and C: 40**

SECTION – B (Marks 24)

Q. 2 **Write brief answers of any EIGHT parts.** **(8 x 3 = 24)**

(i) Write any three differences between analog and digital computers.

(ii) Why cache memory is essential for computer? Give any three reasons.

(iii) Write any three differences between CRT and LCD monitors.

(iv) Differentiate between compiler and interpreter.

(v) Subtract $(10111)_2$ from $(11010)_2$.

(vi) Find 2's complement of 01100110.

(vii) Write an algorithm that finds the area of a circle where area=3.14*r*r.

(viii) Describe the working of the following GW-BASIC commands:

(a) AUTO **(b)** KILL **(c)** LIST

(ix) What is the use of semicolon and comma with **PRINT** statement?

(x) What is the purpose of GOTO statement in **BASIC**? Give an example.

(xi) Give the output of the following code:

```
10 CLS
20 SUM = 0
30 FOR N=2 To 10
40 SUM=SUM+1/N
50 NEXT N
60 PRINT "Sum="; SUM
70 END
```

SECTION – C (Marks 16)

Note: **Attempt any TWO questions.** **(2 x 8 = 16)**

Q. 3 **a.** Briefly discuss any two pointing devices. **(04)**

b. How is problem identified and why is it important to test a program? **(04)**

Q. 4 Discuss in detail the usefulness of computer in commerce or business. **(08)**

Q. 5 **a.** What is a constant? Describe different types of constants in **BASIC** language. **(04)**

b. Write a program to find sum and average of five given numbers. **(04)**