43

Version No.				
4	0	1	9	1

ROLL NUMBER						

COMPUTER STUDIES
HSSC–II
SECTION – A (Marks 10)

Time allowed: 15 Minutes

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.

حصہ اوّل لازمی ہے۔ اس کے جوابات اسی صفحہ پر دے کر نظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Answer Sheet No. _____

ہر سوال کے سامنے دیے گئے، کریکولم کے مطابق درست دائرہ کو پُر کریں۔ **Invigilator Sign.** _____

Fill the relevant bubble against each question according to curriculum: **Candidate Sign.** _____

	Question سوال	A	B	C	D	A	B	C	D
1.	The binary equivalent of $(36)_{10}$ is:	$(011101)_2$	$(100100)_2$	$(110110)_2$	$(1011011)_2$	○	○	○	○
2.	Which one of these is magnetic storage?	DVD	Flash	Hard Disk	CD	○	○	○	○
3.	Super computers are **NOT** used in:	Weather forecasting	Weapon designing	Nuclear research	Banks	○	○	○	○
4.	What device is used to read picture and printed material and digitize physical images?	Digital camera	Monitor	Scanner	Barcode reader	○	○	○	○
5.	The stage where the program is installed on computer and problems are solved is called:	Analysis	Design	Implementation	Documentation	○	○	○	○
6.	The BASIC command that is used to clear the screen is:	CLEAR	CLS	CLRSCR	CSC	○	○	○	○
7.	Which Software is used for creating and editing the documents?	Word Processor	Spread sheet	Database management system	Graphic software	○	○	○	○
8.	Part of CPU that stores instructions being processed is called:	Control unit	ALU	CACHE	Registers	○	○	○	○
9.	Analog computers are:	General purpose	Special purpose	Very accurate	Slow	○	○	○	○
10.	The process of detecting and removing errors in program is called:	Testing	Implementation	Debugging	Maintenance	○	○	○	○

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) Differentiate between SRAM and DRAM.

(ii) Briefly explain application software. Enlist its types.

(iii) Differentiate between 'For Next' and 'while-wend' loops with syntax.

(iv) Convert $(111001110)_2$ into octal number system.

(v) Find the output of following code

```
10 FOR N=1 to 5
20 PRINT N*N*N
30 NEXT
```

(vi) What would happen if there is no CACHE in computer?

(vii) You want to buy a new printer and cost is not an issue. Which printer would you buy? Justify your choice.

(viii) What is ASCII code?

(ix) What is meant by testing and debugging?

(x) Write a program in BASIC that inputs a number and checks whether it is divisible by 5 or not:

(xi) Why is high level language easy for human beings and needs translation?

SECTION – C (Marks 16)

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

Q. 3 a. What is system software? Discuss any three of it types. **(04)**

b. Discuss ROM and its types. **(04)**

Q. 4 a. Represent 17.25 as 16-bit floating point number. **(04)**

b. What is meant by low level language? Discuss its types. **(04)**

Q. 5 a. Write a program that inputs a number and displays its factorial. **(04)**

b. Write down the positive and negative impacts of computer and internet on society. **(04)**