

Adabistan-e-Soophia

Code: 1021

Test No.: 2

Paper: Computer

Name: _____

Class: IX Sec: _____

Syllabus: Ch. 2

Question Numbers	1	2	3			Total	Grade	%age
Maximum Marks	06	26	08			40		
Marks Obtained								
Remarks: _____								

Time Allowed: 15 mins

(Objective Type)

Max. Marks: 06

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Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink. Cutting or filling two or more times result in zero mark in that question.

Q.1	Questions	(A)	(B)	(C)	(D)
1.	“Is it cold outside” is _____.	Boolean Proposition	Categorical Proposition	Moral Proposition	none of these
2.	1 Petabyte is equal to _____.	$(1,024)^4$ bytes	$(1,024)^5$ bytes	$(1,024)^6$ bytes	$(1,024)^7$ bytes

Q.1	Questions	(A)	(B)	(C)	(D)
3.	Number “17” is equal to _____ in binary system.	1000	10110	10001	10100
4.	Which number system consists of 0s and 1s?	decimal	hexa	binary	octal
5.	The number system we use in our daily life is the_____.	decimal number system	binary number system	octal number system	numeric
6.	To convert a decimal number to hexadecimal, we divide the number by _____ and take quotient and remainder.	8	16	2	12
7.	1KB = _____bytes	1,024	200	300	400
8.	Which group of eight bits, has enough space to store single ASCII character?	byte	KB	Bit	GB
9.	_____ is used to assemble more than one propositions into one proposition?	literal	simple proposition	proposition	compound proposition
10.	Which operator is used to negate a proposition?	AND	NOT	OR	none of these
11.	Hard drives, flash drives and memory cards are examples of _____ memory.	non-volatile	volatile	hard disk	floppy disk
12.	Digital computers store data in _____ form.	numeric	decimal	octal	binary

(Section - I)

2. Write short answers to the following questions.

(13×2=26)

- i. What is a number system?
- ii. Convert $(156)_{10}$ to binary.
- iii. Differentiate volatile & non-volatile memory.
- iv. Define Boolean proposition.
- v. Draw the truth table of OR and AND operator.
- vi. What are logical expressions?
- vii. What is truth table & truth values?
- viii. Write a note on hexadecimal number system.
- ix. Write a note on decimal number system.
- x. Differentiate between OR and AND operator.
- xi. Convert $(69610)_{10}$ to Hexadecimal.
- xii. Define NOT operator.
- xiii. Write a note on binary number system.

(Section - II)

Note: Give detailed answers of the following question.

(08)

3. Perform the following conversions:

- i. $(70C558)_{16}$ to binary. (2.5)
- ii. $(C921)_{16}$ to decimal. (03)
- iii. $(0010110010001101001)_2$ to hexadecimal. (2.5)