12.3.24

BUDHA DAL PUBLIC SCHOOL, PATIALA

TERM-II EXAMS (SESSION 2023-24)
CLASS XI   SUBJECT INFORMATICS PRACTICES (065)

TIME: 03 HOURS   M.M: 70

General Instructions:
1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A has 18 questions carrying 01 mark each.
4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
5. Section C has 05 Short Answer type questions carrying 03 marks each.
6. Section D has 02 questions carrying 04 marks each.
7. Section E has 03 questions carrying 05 marks each.

	SECTION A	
1.	What is an information? (i) Processed Data (ii) Collection of programs (ii) (iii) Collection of instructions (iv) None of these	1
2.	One Megabyte is equivalent to: (i) 210 bytes (ii) 220 bytes (iii) 230 bytes (iv) None of these	1
3.	_____is capable of recognizing a pre-specified type of mark made with dark pencil or ink. (i) OCR (ii) OMR (iii) MICR (iv) Barcode Reader	1
4.	Which of the following is the shortcut key combination for exiting Python shell? (i) F5 (ii) Alt +F1 (iii) Ctrl +E (iv) Ctrl+Q	1
5.	Single-line comments in Python begin with...............symbol. (i) % (ii) " (iii) ''' (iv) #	1
6.	Identifier name cannot be composed of special characters other than................... (i) # (ii) Hypen(-) (iii) $ (iv) Underscore(_)	1
7.	The reserved words used to Python interpreted to recognize the structure of a program are termed as _____. (i) Identifiers (ii) Tokens (iii) Literals (iv) Keywords	1
8.	Which of the following is not a decision-making statement? (i) if-elif statement (ii) for statement (iii) if-else statement (iv) if statement	1
9.	if statement comes in which category of statements? (i) Sequential statements (ii) Conditional Statements (ii) Iterative statements (iv) Loop statement	1

10.	A _____ is a named collection of all occurrences of a given type of logical record.	1
	(i) Filed (ii) Record (iii) Relation (iv) Database	
11.	Duplication of data is termed as _____.	1
	(i) Database inconsistency (ii) Data Redundancy	
	(ii) Data integrity (iii) Data Consistency	
12.	The _____ allows you to perform tasks related to data manipulation.	1
	(i) DDL (ii) DML (iii) TCL (iv) None of these	
13.	_____ command helps to fetch data from a relation.	1
	(i) Use (ii) Show (iii) Fetch (iv) Select	
14.	Which of the these is not an area of AI?	1
	(i) Computer vision/Image recognition (ii) Voice recognition	
	(iii) Web design (iv) Robotics	
15.	Which of the following is not a feature of IoT devices?	1
	(i) Remotely controllable (ii) Security	
	(ii) Can turn themselves off, if necessary (iv) Wearables	
16.	When Power is switched off and data which is not saved is lost forever, such type of memory is classified as:	1
	(i) Volatile (ii) Non-volatile (iii) Impact (iv) Non-impact	

Q17 and 18 are ASSERTION AND REASONING based questions. Mark the correct choice as

a) Both A and R are true and R is the correct explanation for A

b) Both A and R are true and R is not the correct explanation for A

c) A is True but R is False.

d) A is False but R is True.

17.	**Assertion (A):-** Random Access memory (RAM) is volatile and stores data/programs currently in use.	1
	Reasoning (R): RAM is a memory that retains its contents even after the system is switched off.	
18.	**Assertion (A):-** Python is cross-platform language.	1
	Reasoning (R): Python code can run on a variety of platforms such as windows, Macintosh and Apple.	

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SECTION B

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19.	What is booting?	2
20.	Why is python easy to learn?	2
21.	What is None in Python?	2
22.	What is Data type?	2
23.	What is a NULL value?	2
24.	Briefly Explain the role played by robots in the medical filed.	2
25.	What is machine Learning?	2

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SECTION C

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26.	Expand the following:	3
	(i) ALU (ii) RAM (iii) GUI	
27.	Distinguish between Python and other programming languages.	3

8.	What is the difference between an expression and a statement in Python?	3
29.	Differentiate between Alter and Update command.	3
30.	Name some areas where the concept of blockchian technology can be useful.	3

SECTION D

31.	Define the following terms:-	4
	(a) Antivirus (2)	
	(b) Backup Software (2)	
32.	Explain the followings:-	4
	(i) Primary Key (2)	
	(ii) Candidate Key (2)	

SECTION-E

33.	Write SQL command to Perform the following tasks.	5
	(a) Create a database 'School'. (1)	
	(b) Open Database 'School' (1)	
	(c) Create a table 'Student' with the following structure: (2)	

Field Name	Data Type
Rollno	integer
Name	Varchar(30)
Class	Varchar(10)
Marks	integer

	(d)Display the structure of the table 'Student'. (1)	
34.	If the government plans to make a smart school be applying IoT concepts, how can each of the following be implemented in order to transform a school into IoT enabled smart school?	5
35.	Distinguish between Primary memory and Secondary memory. Write any three differences.	5