

BUDHA DAL PUBLIC SCHOOL, PATIALA

FINAL EXAM CLASS – XI (SESSION 2024-25) Set- B INFORMATICS PRACTICES (SUBJECT CODE-065)

Time Allowed:-3 hours

Maximum Marks: 70

General Instructions:-

1. Please check this question paper contains 37 questions.
2. All questions are compulsory.
3. The paper is divided into 5 Sections- A, B, C, D and E.
4. Section A consists of 21 questions (1 to 21). Each question carries 1 Mark.
5. Section B consists of 7 questions (22 to 28). Each question carries 2 Marks.
6. Section C consists of 4 questions (29 to 32). Each question carries 3 Marks.
7. Section D consists of 2 case study type questions (33 to 34). Each question carries 4 Marks.
8. Section E consists of 3 questions (35 to 37). Each question carries 5 Marks.

	Section A	
1.	Examples of utility software are: (i) Text editor (ii) Non-volatile memory (iii) Both (i) and (ii) (iv) None of these	1
2.	Which of the following makes available its source code? (i) Freeware (ii) Free Software (iii) OSS (iv) FLOSS	1
3.	Which input device is used to provide audio data to a computer? (i) Speaker (ii) Webcam (iii) Microphone (iv) All of these	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.	The interactive interpreter of python is termed as _____. (i) Python shell (ii) Python Script mode (iii) Python Editor mode (iv) Python command line	1
6.	Single line comments in python begin with _____ symbol. (i) # (ii) " (iii) ' (iv) %	1
7.	Which of the following is an invalid statements ? (i) + (ii) / (iii) // (iv) >	1
8.	Which of the following is a valid keyword? (i) IF (ii) If (iii) if (iv) None of these	1
9.	Which operator can be used with list? (i) in (ii) not in (iii) Both (i) & (ii) (iv) Arithmetic Operators only	1
10.	To create an empty dictionary , we use the statement as: (i) D1={ } (ii) D1=[] (iii) D1= () (iv) D1=={ }	1
11.	To create a new dictionary with no items: (i) Dict (ii) dict() (iii) d1={ } (iv) Both (ii) and (iii)	1
12.	A _____ is a named collection of all occurrences of a given type of logical record. (i) Field (ii) Record (iii) Relation (iv) Database	1
13.	_____ is a set of one or more attributes that can uniquely identify tuples within the relation. (i) Primary Key (ii) Alternate Key (iii) Candidate Key (iv) Foreign Key	1
14.	Which data model is uses tables? (i) Relational (ii) Network (iii) Hierarchical (iv) None of these	1

15.	The _____ allows you to perform tasks related to data definition. (i) DDL (ii) DML (iii) TCL (iv) None of these	1																									
16.	_____command helps to open the database for use. (i) Use (ii) Open (iii) Distinct (iv) Select	1																									
17.	Which of the following keywords is used to display non-repeated values of MYSQL? (i) Unique (ii) All (iii) Order by (iv) Distinct	1																									
18.	Which one of these is not an area of AI? (i) Computer vision/Image recognition (ii) Voice recognition (ii) Web design (iv) Robotics	1																									
19.	In IoT, T Stand for : (i) Technology (ii) Things (iii) Technical (iv) Traffic	1																									
	Directions (Q. Nos. 20 and 21) are Assertion (A) and Reason (R) Type questions. Choose the correct option as: (a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A) (b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A) (c) Assertion (A) is True, but Reason (R) is False (d) Assertion (A) is False, but Reason (R) is True																										
20.	Assertion (A): It is difficult to store huge data using cloud computing. Reasoning (B): Storage of data is cost-effective and time-saving in cloud computing.																										
20.	Assertion (A): DISTINCT clause must be used in an SQL statement to eliminate duplicate rows. Reasoning (B): DISTINCT works with numeric data type only.	1																									
21.	Assertion (A): Python is the fastest language. Reasoning (B): Python is an interpreted language.	1																									
	Section-B																										
22.	Write the names of any four components of computer.	2																									
23.	Name the Software required to make a computer functional. Write down its two primary services.	2																									
24.	Why are secondary storage devices required?	2																									
25.	Python is a cross-platform language. How?	2																									
26.	Briefly explain the role played by robotics in the medical field.	2																									
27.	Define Knowledge base.	2																									
28.	Difference between DROP and Delete command.	2																									
	Section-C																										
29.	Why is language processors used? Differentiate between compiler and interpreter.	3																									
30.	Differentiate between RAM and ROM?	3																									
31.	What are DDL and DML statements?	3																									
32.	Differentiate between append() and extend () methods of list.	3																									
	Section-D																										
33.	Consider the table “Stock” and write the SQL commands of the following questions:- <table><tr><td>Product_Id</td><td>Prod_Name</td><td>Qty</td><td>Area</td><td>Price</td></tr><tr><td>1.</td><td>Gents Watch</td><td>120</td><td>Delhi</td><td>3000</td></tr><tr><td>2.</td><td>Belt</td><td>40</td><td>Karoi Bagh</td><td>700</td></tr><tr><td>3.</td><td>Wallet</td><td>60</td><td>Shalimar Bagh</td><td>550</td></tr><tr><td>4.</td><td>Purse</td><td>90</td><td>Lajpat Nagar</td><td>1800</td></tr></table>	Product_Id	Prod_Name	Qty	Area	Price	1.	Gents Watch	120	Delhi	3000	2.	Belt	40	Karoi Bagh	700	3.	Wallet	60	Shalimar Bagh	550	4.	Purse	90	Lajpat Nagar	1800	4
Product_Id	Prod_Name	Qty	Area	Price																							
1.	Gents Watch	120	Delhi	3000																							
2.	Belt	40	Karoi Bagh	700																							
3.	Wallet	60	Shalimar Bagh	550																							
4.	Purse	90	Lajpat Nagar	1800																							

(i)	Write a sql command to create database named “ Market ”.	
(ii)	Write sql command to create the above structure of student “Stock”.	
(iii)	Insert the following record in the table(5,Ladies watch, 80, Jang Pura, 5500)	
(iv)	Update the Qty of Belt. (Updated Marks=80)	
34.	Define the Following Terms:- (2+2) (a) Backup Software (ii) Virus	4
	Section – E	
35.	Explain the following terms:- (i) Primary Key (ii) Candidate Key (iii) Alternate Key (iv) Foreign Key (v) Null Value	5
36.	If the government plans to make a smart school by applying IoT concepts , how can each of the following be implemented in order to transform a school into IoT-enabled smart school?	5
37.	Write a python program to find the Minimum of Two Numbers.	5