

SUBBIAH CENTRAL SCHOOL CLASS XI INFORMATICS PRACTICES (065)

TIME: 3 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 have 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 03 Long Answer type questions carrying 05 marks each.
- 7. Section E has 02 questions carrying 04 marks each. One internal choice is given in Q35 against part c only.
- 8. All programming questions are to be answered using Python Language only.

	PART A	
1.	i) Which command is used to Open a Database?	1
	ii) Which command is used to remove the Database?	
	·	_
2.	Which is the DDL and which is the DML Command?	1
	ALTER TABLE , INSERT INTO	
3.	What is the command to create a database?	1
		4
4.	The symbol Asterisk (*) in a select query retrieves	1
	(i) All data from the table (ii) Data of primary key only	
	(iii) NULL data (iv) None of the mentioned	
5.	declares that an index in one table is related to that in another table.	1
	(i) Primary Key (ii) Foreign Key (iii) Composite Key (iv) Secondary Key	
6.	Write a SQL query to display the Name of all those employee whose ENAME Field	1
	contains 4 th character as 'S' from the table EMPLOYEE.	
7.	Write a SQL query to display records in ascending order of their Salary from the	1
	table EMPLOYEE. Field Name SALARY.	
		4
8.	What is the difference between DELETE and DROP command in	1
	SQL. Explain with example.	
9.	List any 2 limitations of file system that can be overcome by a relational DBMS?	1
	Elist any 2 infinations of the system that can be overcome by a relational BBMs.	
10.	Define the following terms in the context of Database	1
	(i) Relation	
	(ii) Tuple	
11.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1
11.	Which of the following is not RBDMS software?	1
	a) Oracle b) MS Excel c) MySQL d) MS Access	
12.	The design of data is known as	1
	a) Database Schema b) Data Constraint c) Data Dictionary d) Database Instance	
10		
13.	The SQL statements ends with	1
	a), b): c); d)"	
1		ı

	Shiv wants to see the table structure in MySQL. Select an appropriate command to all him.	1
a) use b) show c) desc d) display	
C	Sahil wants to delete a primary key constraint from the table. Select an appropriate command which help him. (a) Create (b) Alter (c) Drop (d) Delete	1
fo a)	Rajveer wants to rename column in display result for his query. He has given he ollowing queries, select correct query for him: a) select ename, salary*12 Annual Salary from emp; b) select ename, salary*12 rename "Annual Salary" from emp;	1
1 1	e) select ename, salary * 12 change "Annual Salary" from emp; d) select ename, salary*12 as "Annual Salary" from emp;	
Q17 a	and 18 are ASSERTION AND REASONING based questions. Mark the correct ch i. Both A and R are true and R is the correct explanation for A ii. Both A and R are true and R is not the correct explanation for A iii. A is True but R is False iv. A is false but R is True	oice as
	Assertion(A): An intelligent machine is supposed to imitate some of the cognitive functions of humans like learning, decision making and problem solving. Reasoning(R): In order to make machines perform tasks with minimum human intervention, they are programmed to create a knowledge base and make decisions based on it.	1
18.	Assertion(A):Robots were initially conceptualized for doing repetitive industrial tasks that are boring or stressful for humans or were labor-intensive. Reasoning(R): Algorithms are one of the prime components of a robot.	1
	PART B	
19.	Write any four applications of DBMS.	2
	Define the following: i. Domain ii. Degree	2
	Mr. Malhotra is working on a MySQL table named 'Stud' with following table chema:	2
::	Field Type	
	i. Write the query to create the table and insert one record to it	

		as given the foll Ielp her by writir Table	_	table comm				le in 2
	Colun	nnName	dataty	ре	size			
	jersey	y_no	int		2			
	plave	r_name	varcha	ır	20			l l
		nes_played	int		3	-		
		ies_piayeu						
	Runs		int		5			
23.	What do ye	ou mean by cons	traints? E	Enlist the con	nstraints s	upporte	d by MySQ	QL. 2
	What is the with examp	difference betwe	en ALTE	ER and UPD	OATE con	nmand i	n SQL. Exp	olain 2
	Consider the	e following table	s STATIO	ONERY and	d write S(QL quer	y for the gi	ven 2
	S	_ID STNA	ME (COMPAN'	Y PRIC	CE		
	DI	P01 DOT	PEN	ABC		20		
			NCIL	NULL		16		
			SER	XYZ		17		
			NCIL	CAM		15		
a			PEN	ABC ompany nam	'	25		
b	a) Display de	etails of those Item etails of those item	s whose co	ompany nam tem name co	ne is null.		' anywhere i	n the
b S	a) Display de o) Display de STNAME.	etails of those Item etails of those item	s whose co s whose It	ompany name con	ne is null.	acter 'E		n the
26. F s i.	a) Display de b) Display de STNAME. Priyam is Come SQL of the Square to	etails of those Item	s whose constant whose It she is learn to do the learn database med Ann	ompany name tem name concerning CTION C rning some a following takes	ne is null. ntains char basic con	acter 'E		n the
26. F s i.	a) Display de b) Display de STNAME. Priyam is Come SQL of the come SQL of the come square i. Select a come ii. Create a	etails of those Item etails of those item lass XI student. S commands to her the lists of existing latabase to work new database na	s whose cos whose It SE She is lear to do the g database med Ann (and write	ompany name tem name concerning some a following takes ual_Exam OR	basic contasks:	racter 'E	Suggest	
26. F s i.	a) Display de b) Display de STNAME. Priyam is Come SQL of the come SQL of the come square i. Select a come ii. Create a	lass XI student. State of those items and the lass of those items are commands to here the lists of existing database to work new database nations of the lists of existing database to work new database nations.	s whose cos whose It SE She is lear to do the g database med Ann (and write	ompany name tem name concerning some a following tests ual_Exam OR answers for the concerning some tests and the co	basic contasks:	racter 'E	Suggest questions:	
26. F s i.	a) Display de b) Display de STNAME. Priyam is Come SQL of the come SQL of the come square ii. Create a come square come squar	lass XI student. Scommands to her lists of existing database to work new database na	s whose cos whose Its SE She is learn to do the ag database med Ann (and write Fable Na	ompany name tem name content tem name content tem name content tem name content tem name some following tems following tems answers for the content temporal tems for the content temporal tems for the content temporal te	basic contasks:	racter 'E nmands. w given	Suggest questions:	3
26. F s i.	a) Display de b) Display de b) Display de STNAME. Priyam is Come SQL of the come SQL of the come square and the come square a	lass XI student. Scommands to her the lists of existing latabase to work new database nate following table	s whose cos whose It SE She is lear to do the g database med Anniand write Table Na	ompany name tem name content tem name content tem name content tem name content tem name some afollowing the ses that the	basic contasks:	racter 'E nmands. w given Directer	Suggest questions:	3
26. F s i.	Priyam is Come SQL of the Come	lass XI student. Scommands to her lasts of existir database to work new database na following table Movie_name Ghandhi Godse	s whose cos whose Its SE She is lear to do the ag database med Anni (and write Fable Na Cates Histo	ompany name tem name contemporate for the contempor	basic contasks: r the beloeseasedate 23-01-26	racter 'E nmands. w given Directer Rajkur Hansa	Suggest questions:	3
26. F s i.	a) Display de b) Display de b) Display de b) Display de b) TNAME. Priyam is C some SQL of the come SQL of the display de la company de la com	lass XI student. Scommands to her the lists of existing database to work new database nate following table Movie_name Ghandhi Godse Faraaz	s whose cos whose It SE She is lear to do the g database med Ann (and write Fable Na Cates Histo Actio	ompany name tem name content name content name content name content name content name sees ual_Exam OR answers for answers for name: Movie name: 200 na 200 na 200	basic contasks: r the beloe easedate 23-01-26	mands. Director Rajkur Hansa	Suggest questions: or mar Santosh	3
i, ii	n) Display de b) Display de b) Display de b) Display de b) TNAME. Priyam is C come SQL come SQL come SQL come serve the come serve the model model model model with the come serve come serve the model model model model with the come serve the model mod	lass XI student. Scommands to her the lists of existing database to work new database nate following table Movie_name Ghandhi Godse Faraaz Shehzada	s whose cos whose It SE She is lear to do the g database med Ann (and write Fable Na Category Histo Dram Null ovie_id as e the size	ompany name tem name content name content name content name content name is following to see answers for the content name: Movie name: Movie name: 200 name content name; which is primary key of category	basic contasks: r the beloe easedate 23-01-26 23-02-03 23-02-10 23-04-07	mands. Director Rajkur Hansa	Suggest questions: or mar Santosh I Mehta Dhawan Tiwari	3

efine follow Database So atch the foll	ing:							
	shame :	Databasa Ina	tance :::	Database E	ingina			
	lowing clause	Database Ins			angine			
ALTER	Inser	Insert the values in a table						
UPDATE	Rest	Restrictions on columns						
DELETE	Table	Table definition						
INSERT INTO	Chai	Change the name of a column						
CONSTRAINTS	S Upda	ate existing inf	ormation in a t	able				
DESC	Dele	te an existing r	row from a tab	le				
		SECTIO				I		
onsider the t	able MARKS			the question	i to ii and			
nd output for	r the given SO	QL query fror	n iii to v.					
SNAME	STIPEND	STREAM	AVGMRK	GRADE	CLASS]		
Karan	400	Medical	78	В	12A			
Divakar	500	Comm	89	Α	11C			
Mohan	800	Comm	56	D	12B			
Aman	200	Science	99	A	12C			
Kewat	700 300	Humani Science	77 90	C	12A 11A			
Raghav Vikas	600	Medical	84	В	11A 11B			
	000	Wedical	04	В	110			

Name	Owner	Species	Gender	Age	
Monty	Adityo	Dog	M	4	
Monty Badal	Aditya Dev	Dog Horse	M	4	
Moti				3	
Mittu	Motisingh Harsh	Dog Parrot	M M	2	5
Pinky	Kartvya	Cat	F	1	
Sweety	Vyas	Cat	F	2	
ii) Display N iii)select nai iv) select na	ame, owner and ge Name, owner and a me, owner from pe me, age from pet w rom pets where spe	ge of all pets what where owner representations of the species of	hose age is more name like '%ya' dog and age bet	;	
a) What will i) 30 ii) 1 b) What doe i) a table ii c) What is to SelecT * fRe i) Displays ii) Displays iii) Results ii iv) Displays	NT, AR(1), KEY (student_id)) I be the degree of s iii) 3 iv) 4 es 'name' represent i) a row iii) a color ue about the follow OM student; contents of table 'st column names and n error as improper only the column n	in the above column iv) a daving SQL stater tudent' contents of tabraces ames of table 's	tabase ment? le 'student' used student'		5
INSERT IN VALUES (" VALUES (" VALUES (" VALUES ("	-	VALUES ("Ri),	

		ill be deleted	,			
			SECTION – I	E		
Mato	ch the fo	llowing:				
	Column	A			Column B	
	You got	a reminder to take i	medication		Smart Parking	
	You got	a SMS alert that you	Smart Wearable	4		
	You got	the SMS alert that p	Home Automation			
	You turn	ned off your LED TV	from your wrist watc	h	Smart Health	
Answ	ıno	Name	ons based on the Subject Math	given table:	Average 85.5	
1002		Suman	English	F	90	4
i. Ho ii. Ho iii. W	w many ow many hat is th	attributes are the tuples are there are degree of the	ere in the above tale	table?	90	