YESWECS

PRACTICE PAPER - 4

Std : XII(CBSE)

COMPUTER SCIENCE

Marks: 35

Time : 2 hours.

Date : 04.06.2022

General Instructions :

- 1. The question paper is divided into 3 Sections A, B and C
- 2. Section A consist of 7 Questions (1-7). Each question carries 2 marks.
- 3. Section B consist of 3 Questions (8-10). Each question carries 3 marks.
- 4. Section C consist of 3 Questions (11-13). Each question carries 4 marks.
- 5. Internal choices have been given for question numbers 7, 8 and 12.

				Section-A		
			Each ques	stion caries 2 m	arks	
Q.	Part			Question		Marks
No	No.					
1.		Difference	e between Stack and	Queue.		(2)
2.	(i)	Expand th	ne following:			(1)
		WiMAX,	GPRS			
	(ii)	Out of the	e following, which is	the cheapest wir	ed and wireless medium	(1)
		of transm	ission?			
		Infrared,	coaxial cable, optic	al fibre, microw	ave, twisted pair cable,	
		Satellite				
3.		Differentia	ate between where a	nd having condit	ions.	(2)
4.		A resultse	et is extracted from the	he database usir	ng the cursor object (that	(2)
		has been	already created) by g	giving the following	ng statement.	
		Mydata=c	ursor.fetchone()			
		(a) How n	nany records will be	returned by fetc	hone()method?	
		(b) What	will be the datatype	of Mydata object	after the given	
		command	l is executed?			
5.			he questions (a) to (d ACCESSORIES.	d) on the basis	of the following tables	(2)
			Table: SHO	Р		
		Id	SName	Area]	
		S001	ABC computronics	CP		
		5001	All Infotech Media	GKII		
		S002	Tech Shop	CP		
		S004	Geeks Tecno Soft	Nehru Place		
		S005	Hitech Tech Store	Nehru Place		
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-	1	<u> </u>		2		÷	
			Table: ACC	ESSORIES		1	
		No	Name	Price	Id		
		A01	Mother Board	12000	S01		
		A02	Hard Disk	5000	S01		
		A03	Keyboard	500	S02		
		A04	Mouse	300	S01		
		A05	Mother Board	13000	S02		
		A06	Keyboard	400	S03		
		A07	LCD	6000	S04		
		T08	LCD	5500	S05		
		T09	Mouse	350	S05		
		T10	Hard Disk	4500	S03	J	
		Write the	e output for the	following SO	QL quer	ies:	
		a. SEI	LECT DISTING	CT NAME F	ROM A	CCESSORIES	
		WE	IERE PRICE>	=5000;			
				COUNT(*) F	ROM S	HOPPE GROUP BY	
			EA;				
) FROM SHOPPE;	
			LECT NAME,				
6	(1)		CESSORIES V			02°,\$03°);	(1)
6.	(i)		syntax used to the commands				(1)
7.	(ii)	what are	the commands	available in 1	JDL?		(1)
7.					EN and	CUSTOMER and	(2)
		answer th	ne following qu		DEN		
		Ccode	CarName	Table : CAR	Colour	Capacity Charges	
		501	A-Star	Suzuki	RED	3 14	
		503 502	Indigo		SILVER	3 12	
		502	Innova SX4	· · ·	WHITE SILVER	7 15 4 14	
		510	C Class	Mercedes	RED	4 35	
				Table : CUST			
			Code 1001	Cname Hernant Sahu	50		
			1002	Raj Lal	50		
			1003	Feroza Shah Ketan Dhal	503 502		
			L				
			-		2	CUSTOMER table?	
		b. Mo	ention the Prim	ary and Alte OR	rnate ke	ys of CARDEN table.	
		a. Ide	entify the forei	gn key from	the CUS	STOMER table.	
			-			fter Cartesian product	
			CUSTOMER a		•	-	

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			<u>3</u> Section-B		
			Each question caries	3 marks	
			1		
8.		Write a function in	python, Push(Stu) and	d MakePop(Stu) to add a	(3)
		new studnet and de	elete studnet from a Li	st of Stu contain rollno,	
		Sname and Class a	s list, considering ther	n to act as push and pop	
		operations of the S	tack data structure		
		1	OR		
0		no, book name). T two types of ir implemented push	That is, now each item Iformation –a book and display operations		
9.	(i)	-	le 'customer', Rahul fo	-	(1)
		'price'. Which con	nmand is used to add r	new column in the table.	
		Write the comman	d to implement the sar	ne.	
	(ii)		g commands into DDL a		(2)
10.			DROP, INSERT, UPDAT	E, DELETE L in the database to store	(2)
10.			us travels. The table TR		(3)
		FIELD NAME	DATA TYPE	REMARKS	
		CNO	INTEGER	PRIMARY KEY	
		CNAME	CHAR(30)		
		TRAVELDATE	DATE		
		KM	INTEGER	NOT NULL	
		NOP	INTEGER		
		VCODE	VACHAR(10)		
		Help her to complet commands.	e the task by suggestin	g appropriate SQL	
			Section-C		
			Each question caries	4 marks	
11.					(4)
· · ·		Write SQL queries	s for (a) to (d):		(')

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		4 Table: Applicants						
		ID	Name	Course	Phone			
		1	Ravi	BCA	4210716			
		2	Rita	MBA	215611			
		3	Sunil	MCA	321157			
		4	Kumar	BCA	512771			
			Table: Cou	rses				
		Name	Duration	Fee				
		MBA	2 year	40,00	0			
		MCA	3 year	70,00	0			
		BCA	3 year	20,00	0			
		who	have joined be isplay names of	efore 2010.		about the applicate paying fee mo		
		c. To d joiny	isplay names o year.			cending order of		
			isplay the year the YEAR from			er of applicants j ANTS.	oined	
12.	(i)		dvantages and				(2	2)
				OF	R			
		Define the	following term	s:				
		Web brows	ser, DNS					
	(ii)		following term				(2	2)
			n , Transmissio					
13.		company. India with to unders available below.	The company its hub at H tand their rec	y is plannii yderabad. Juirement a eir queries	ng to set As a netw and sugge are ment	nal consultancy up their new off ork adviser, yo est them the bes ioned as (i) to (i C	fices in u have st	4)
		Human Resource Block		Conferer Block				
			Finance Block					

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Block to Block dista	nces (in Mtrs.)		-
Block (From)	Block (To)	Distance	
Human Resource Human Resource Conference	Conference Finance Finance	110 40 80	
Expected number of each block.	computers to	be installed i	n
Block		Computers	
Human Resource Finance Conference		25 120 90	
plan to install	their server	? _	ck, where TTC should
			ct all the buildings in ient communication.
c. What will be t following, you in Bangalore v	will suggest	to connect	the new setup of offices
• Satell	ite Link		
• Infrar	ed		
• Ether	net Cable		
	ollowing dev computer in		uggested by you to buildings:
connect cach			
Switcl	h		