COMMON PRE-BOARD EXAMINATION 2022-23

Subject: Informatics Practices (065) Marking Scheme

Class: XII   Time: 3 Hours

Date: Max. Marks: 70

	SECTION -A	
1	WAN	1
2	Unused old computers	1
3	Report it as Phishing/ Spam through your email provider.	1
4	10000	1
5	DELETE	1
6	COUNT()	1
7	MAX( )	1
8	LENGTH()	1
9	FOSS	1
10	histogram	1
11	All of these	1
12	M.head(3)	1
13	Voice	1
14	ucase()	1
15	Phishing	1
16	import pandas as pd	1
	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	A is false but R is True	1
18	A is True but R is False.	1

	SECTION - B	
19	i) Uniform Resource Locator ii) Post office protocol iii) Simple mail transfer protocol **iv)** Hypertext transfer protocol**OR** A router can work like a bridge and can also handle different protocols. A router can locate the destination required be sendinf the traffic to another router, if the destination is unknown to itself.	2
20	**SELECT BLOCK, COUNT (*) FROM APARTMENTS GROUP BY BLOCK HAVING BLOCK=2 OR 3;** Group by ……….where condition will not execute.(explain)	2
21	The Order by clause of SQL statement allows to sort the data of result set.example.	2
22	Python program code	2
23	Wesbsite: Collection of webpages which are digital files generally written using HTML.A web page is a digital document that is linked to the world wide web and viewable by anyone connected to the internet having a web browser. **OR** In Bus topology each computer is directly connected to primary network cable in a single line. In Star topology all the computers are connected using central hub.	2
24	55, 78	2
25	(i) It will display second to fifth row of dataframe df. (ii) It will display third to seventh rows', 2nd and 3rd columns values of dataframe df.	2
	SECTION C	

26	a)Select sname,monthname(doj) from saleman;
	b)Select sum(salary) from salesman;
	
	c)Select instr(sname,"O") "SNAME 'O' Position" from salesman;
		3

27	[20,40,90,110, 20,40,90,110] 0 40 1 80 2 180 3 220	3

28	Python code	3
29	i. Anita has become a victim of cyberbullying and cyber stalking. ii. immediate action :inform to parents and school authorities.report this cybercrime to local police with the help of her parents. iii. India cyber laws -IT Act 2008. **OR** Digital footprint is a trail of data you create while using the Internet. It includes the websites you visit, emails you send and information you submit to online services. To have a clean and secure digital footprint Should not provide personal information It gives us a digital persona by defining online behaviour.	3
30	Write the Output produced by the following SQL commands. (i) IND , ENCE (ii) 2022, 12, 26, December (iii) 123.23, 350 **OR** Single row functions perform on individual rows or records and returns the answer either as integer or string. For example, ucase(),mid(), length(), and trim() etc. On the other hand, multiple row functions perform on a range of values and always return the result as a numeric value or number. For example, Aggregate functions like sum(), count(), max(), min() & avg() etc.	3
	SECTION D	
31	(i) Select name, VOC_SUBJ from student order by Adm_no desc; (ii) Select distinct(VOC_SUBJ) from student; (iii) Select class,count(class) from student; (iv) Select * from student where DOB > 15-05-2007. (v) Select name from student where name like "%S"; **OR** (i) UCASE() : converts the given string into upper case. (ii) POWER() : returns a number m raides to the n th power. (iii)DATE() :extracts the date part of a date oe date time expression. (iv) MID(): returns a substring starting from the specified position. (v) DAYNAME () : returns the name of weekday.	5
32	i) Python code to plot a bar chart for Mobiles sales for quarters ii) plt.savefig()	5

	iii) pyplot is one of the interfaces of matplotlib library of python.pyplot is an inerface..i.e collection of methods for accessing and using underlying functionality of library.
	
	OR
	
	(i) Python Code—Line Chart
	(ii) program to read from a CSV file Employee.csv and create a dataframe from it.
	
	Use Empno column as index labels.
	
	     import pandas as pd
	    edf=pd.read_csv("Employee.csv", index_col="Empno")
	    print(edf)	

33	Layout Star topology Broadband Not required. Repeaters may be skipped as per above layout (distance is less 100 m) In every wing. Radio Waves.	5
SECTION E		

34	output
	
	     I:1
	     II : 3
	     III : 4
	     IV : 6
	(i) 2,3 and Index(['A','B','C'],dtype='Object')
	(ii) 2
	OR (Option for part iii only)
	(iii) del mdf['A','C']
		2+1+1

35	i. Create table Med_shop MCODE char(5) primary key, SNAME varchar(25), COLOR char(15), Price int(5), DOE date);
	    ii. MCODE
	    iii. Alter table Med_Shop add discount int(5);
	OR (Option for part iii only)
	    Update MedShop set price=price*0.5 ;
		2+1+1

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