## KENDRIYA VIDYALAYA SANGATHAN, JAIPUR REGION 3<sup>rd</sup> Pre-Board Examination 2020-21

## Informatics Practices

## Class 12

## Marking Scheme

1	a. False	
2	b. B. false	1
3		
4	Aggregate functions Series()	1
5	0,1,2,3,4.	1
6	hisogram	
7	Shareware	
8	charts	1
9	Peer-to- Peer	1
10	Home-Page	
11	False	
12	Installing Antivia	1
13	Rows Communication medium	1
14	Communication medium  Authentication	1
15	Authentication	
16	Protocols	
17	C. Both a & h	
18	Min ()  C having  a. To connect LANs.	
19	C having	1
20	a. To connect LANs.	
		1
21 -	False Print(df.loe[0])	
22	(i) print(df.loe[0])—	1 .
~	- 12 ( UI), 110 ( UI)	· a - a -
~	(ii) print(df['pname'])	
	1 H	
	(iii) code pname price	-
	U XUI Talcum powder 200	
*	1 XUZ Face wash 50	
-		
-	(iv) 0 x01	
	1 x02	
	2 x03	
	Name: code, dtype: object	
	(1)	
	(v) print(df[0:2][0:2])	
	1 mark for correct answer	
2	V	
3	(i) Select * from student where marks is null;	
	(ii) Select * from student order by rollno desc;	1

	(iii) Select ucase(name) marks from student:	
	indication, marks maintained	
	( a. wa) it off 2 full and	
	(v) both (a) & (b)	
24	Int64Index([100, 101, 102, 103, 104], dtype='int64')	
	100 1000	
	101 1000	
	102 1000	
	103 1000	
	104 1000	
	dtype: int64	
	1 mark each	
25		
	Single row functions give output for each row where as multiple row	
	functions give one output for no. of rows . example single row text,maths	
	functions, multiple row aggregate functions	
	1 mark for def. 1 mark for example. OR	
	NULL values are ignored by aggregate functions. Example any	
26	I mark answer 1 for example.	
20	(a) 4	
27	(b) 1.6	
27	(a) s.index=['a1','a2','a3','a4'] hai 3 for	2
	In the unbought bandast take to be a confined	
	T mark for each the first	
28	These two queries give different output because first query count	
	number of table where as second query gives number of	
	name in coluitin which may have null value.	
	2 marks for correct reply.	
29	(A) Hello 000	4
	(B) Hello SC	1 mark for
	QR; obc	each
	at, oc. 7 t64	
	(A) select dayname(now());	1
	(B) 23 the s giv och a sound	
30	IMPORT pandas as not the	
	data={'code';['xQ1','xQ2','xQ3','xQ4','xQ5'],'pname':['Talcum	
	a v wanted by stitutions, tooth baste I'	
	> 'price':[200.50.40 200 300]}	
	df=pd.DataFrame(data)	
	1 mark for import and dictionary	
	1 mark for dataframe function and print	
31	(A) File transfer protocol	
	(B) Internet Service Provider	
	(C) World wide web	
	(D) Personal Area Network	
	½ mark for each	
32	Cyber law encompasses a wide variety of land	
	The state of the s	
	rice dom of expression.	
	1 mark for each.	
	1 (1 )	

- 20 570 cc -

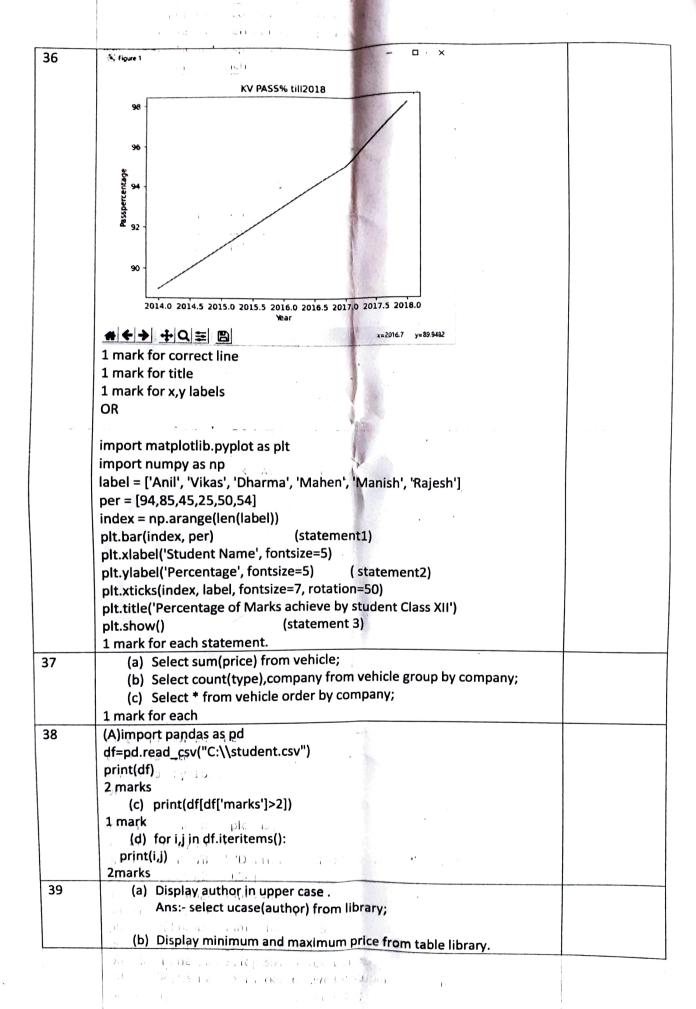
	Precautions we can take in this:	
	countermeasures specialist of all new furnishings, decorations, or	
	equipment brought into the area.	
	1 mark for naming the activity	
	1 mark for mentioning any one risk .	
34	(a) Series()	
	(b) Int	
35	(c) s.name="hello"  Recycle ewaste:	
	(a) Use certified e-waste recycler (b) Visit civic institutions (c) Explore retail options (d) Donate your electronics  I mark for each  Social networking merits:  (A) Lowest cost  (B) Huge potential audience (C) Closer connection with your client (D) Source of instant feedback  Social networking demerits  (a) Unreliable information (b) Lack of control (c) Can be addictive  1&1/2 for 3 merits and 1 and ½ for 3 demerits.	

hello"

e-1, iste = ite

/i to ite | ons

- ite / ele ron s



	Ans:- select min(price),max(price) from library;	
	rom library;	
	(c) Display the name of publisher and quantity multiplied by price.	
	Ans:- select publisher, quantity*price from library;	
	(d) Display detail of authority and a second a second and	
	(d) Display detail of author whose name start with 'F'.  Ans:- select * from library where author like "F%";	
	month indiaty where addition like 17%;	
	(e) Display total quantity of books of each subject.	
	Ans:- select count(quantity) from library group by subject;	
	1 mark for each correct answer. OR	
	(A) Display the price of books after rounding it off to zero decimal	
	place.	
	Ans:- select round(price) from library;	
	(B) Display the current date and time.	
	Ans:- select now(); (C) Display the publisher name after removing all the spaces.	
	Ans:- select trim(publisher) from library;	
	(D) Display the first four characters of publisher name.	
	Ans:- select length(publisher) from library;	
	Display the length of string("good morning");  Ans:- select length("good morning");	
	1 mark for each correct answer.	
40	i. Suggest a suitable cable layout for networking the computer	
	of all labs and offices.	
	n - spiec fire that by ways gather to the fire	
	Ans:- any suitable layout 1 mark	
	Ditato quitay. Habat of Hi	
	ii. Suggest the placement of Hub/Switch/Repeater in the	
	n. Suggest the placement of the suggest	
	1 5 has the price of brown after persons and the persons	
	Ans:- switch in every lab and office repeater where distance is more	
	than 100. 1 markou to (pro 2) Totaliu 3	
	iii. Mention the fast way to provide internet accessibility to all	
	. wings.: transpureshed to make the	
	1. De plant of the our enjantete son of the control	
	Ans:- lease line, broad band, fiber to home or any other 1 mark	
	iv. In which wing server will be installed.	
	the state of the s	
	Ans:- lab 1 1 mark	
	) ur kee and cha	
	ay	
	5 1.7 10   28 0.00   1 mile	

i aci i i				
v. Which device is requicable, without which network works.  Ans:- Modem 1 mark	ired to connect computerinternet access is not po	er with interne ossible but	et	
• .				