

KENDRIYA VIDYALAYA SANGATHAN
PRE BORAD I EXAMINATION 2025-26
Marking Scheme

Class – XII
MM – 70

Subject – Informatics Practices
Time – 3 Hours

Q1	C. Copyright Infringement
Q2	B. Drop
Q3	B. Digital Footprint
Q4	B. Modem
Q5	B. Having
Q6	B. to_csv()
Q7	B. df.drop('Age', axis=1, inplace=True)
Q8	B. print(data[data>3])
Q9	C. print (SES.head())
Q10	B. Star Topology
Q11	D. pip install pandas
Q12	A. size
Q13	B. SELECT * FROM Book WHERE Price BETWEEN 200 AND 500;
Q14	B. W-2 , X-1 , Y-4 , Z-3
Q15	FALSE
Q16	C. As
Q17	C. Linux
Q18	B. Total rows in the Orders table
Q19	C. Internet Telephony
Q20	D. Assertion is True but Reason is False.
Q21	D. Assertion is True but Reason is False.
Q22	(1 mark for each correct difference) OR (1 mark for correctly defining Series and ½ marks each for properties)
Q23	1/2 mark for each correct net etiquette.
Q24	(i) SELECT MONTHNAME("2025-10-18"); (ii) SELECT SUBSTR("Preoccupied,5,3") 1 mark for each correct query
Q25	½ mark each for correct definition of URL and domain name and 1 mark for correct example. OR 1 mark for each correct advantage and disadvantage.
Q26	Code: import pandas as pd data = ['Chennai',' Lucknow ','Imphal'] indx = ['Tamil Nadu','Uttar Pradesh','Manipur'] s = pd.Series(data , indx) print(s)

Q27	1 mark for correct definition of IPR and ½ mark each for measures.									
Q28	0 -10 1 -20 2 -30 3 -10 4 -20 5 -30 (2 marks for correct output)) OR <table><tr><td></td><td>State</td><td>Capital</td></tr><tr><td>0</td><td>Maharashtra</td><td>Mumbai</td></tr><tr><td>2</td><td>Kerala</td><td>Thiruvananthapuram</td></tr></table> (2marks for correct output)		State	Capital	0	Maharashtra	Mumbai	2	Kerala	Thiruvananthapuram
	State	Capital								
0	Maharashtra	Mumbai								
2	Kerala	Thiruvananthapuram								
Q29	(i) SELECT CLASS,SUM(MARKS) FROM STUDENT GROUP BY CLASS; (ii) SELECT AVG(MARKS) FROM STUDENT WHERE OPTIONAL="IP"; (iii) SELECT NAME FROM STUDENT WHERE NAME LIKE '%A%'; 1 mark for each correct output. OR (i) SELECT START,SUM(NO_FLIGHTS) FROM FLIGHT GROUP BY START; (ii) SELECT SUM(NO_FLIGHTS) FROM FLIGHT WHER START="DELHI"; (iii) SELECT * FROM FLIGHT ORDER BY NO_STOPS DESC; 1 mark for each correct output.									
Q30	import pandas as pd (½ mark for correct import) d={"Name": ["BSE","NSE","INX","MCX"], (1.5 mark for correct dictionary/other data structure) "Price": [240,140,189,320], "Gain": ["Positive","Negative", "Positive", "Negative"]} STOCK=pd.DataFrame(d,index=["A","B","C","D"]) (1 mark for correctly creating DF) print(STOCK) OR import pandas as pd (1 mark for correct import) L=[{"Name": "Rohit", "Class": "X", "Percentile": 99}, {"Name": "Mohit", "Class": "XI", "Percentile": 78}, {"Name": "Raman", "Class": "XII", "Percentile": 90}, {"Name": "Aditya", "Class": "X", "Percentile": 88}] (1.5 mark for List of dictionaries) RESULT=pd.DataFrame(L,index=[1,2,3,4]) (1 mark for correctly creating RESULT) print(RESULT)									
Q31	a. 1 mark for each correct answer. b. 1 mark for each correct answer. c. 1 mark for each correct answer.									

Q32	(i) Primary key – WorkshopId, Foreign Key - WorkshopId (1 mark for correct answer) (ii) SELECT Title,Fee,Name from Workshop,Participant where workshop.workshopId=participant.ParticipantId and fees>5000; (2 mark for correct answer) OR (i) SELECT NAME,TESTID,TESTNAME where Patient.TESTID=test.TESTID and NAME like "V%"; (2 marks for correct answer) (ii) UPDATE TEST SET COST=COST-40 WHERE COST<200;
Q33	import matplotlib.pyplot as plt (½ mark) a=["Delhi","Mumbai","Chennai","Kolkata"] b=[100,120,90,110] (½ mark) plt.bar(a,b) (½ mark) plt.xlabel("City") (½ mark) plt.ylabel("No. of buses") (½ mark) plt.title("City & buses") (½ mark) plt.show() (½ mark) plt.savefig("house.png") (½ mark)
Q34	A. (i) SELECT NAME, AGE FROM CLINIC WHERE SEX='F' AND year(DateADM)=2023; (ii) SELECT LENGTH(NAME) FROM CLINIC WHERE AGE>50; (iii) SELECT NAME, AGE, CHARGES, CHARGES*0.10 AS 'DISCOUNT' FROM CLINIC; (iv) UPDATE CLINIC SET CHARGES=CHARGES-100 WHERE DEPARTMENT='SURGERY'; (1 mark for each correct query) OR (i) ZEBA 16 (ii) NOVEMBER (iii) 32 CARDIOLOGY 22 ORTHO 16 CARDIOLOGY (iv) KAREENA 32 (1 mark for each correct output)
Q35	1 mark for each correct answer.
Q36	(i) EMPLOYEES.tail(2) (ii) EMPLOYEES.rename(columns={"ENAME":"FirstName"}) (iii) EMPLOYEES.iloc[4]= [EMP006, "John", "HR", 34900] (iv) print(EMPLOYEES.loc[1:3,"ENAME":"Department"]) (v) EMPLOYEES.drop("Department",axis=1,inplace=True) 1 mark for each correct part.
Q37	(i) SELECT COUNT(distinct PRODUCT) from SUPPLIER; (ii) SELECT AVG(MARKS) from SCHOOL; (iii) SELECT YEAR(CUR_DATE()); (iv) SELECT LTRIM(PASSWORD) FROM USER; (v) SELECT RIGHT(NAME,4) FROM STUDENT;

OR

- (i) SELECT INSTR("VIDYALAYA","YA");
- (ii) SELECT MOD(48,9);
- (iii) SELECT SUM(SALARY) FROM STUDENT;
- (iv) SELECT ROUND(90.324,2);
- (v) SELECT UCAE(PNAME) FROM PRODUCT;