SRM Institute of Science and Technology
Department of Computer Applications
Delhi – Meerut Road, Sikri Kalan, Ghaziabad, Uttar Pradesh- 201204
Academic Year: 2022-23 (EVEN)

Test: Internal Examination-III (Model Test)	Date: 19/4/2023
Course Code & Title: ULF20G02J FRENCH-II	Duration: 3 Hours
Year & Sem: I Year / II Sem	Max. Marks: 100

PART-A
Answer all questions (40 marks)

Q. No.	Question	Marks	BL	CO	PO
1.	Complétez avec les adjectifs démonstratifs.	5	2	1	2

(a) J'aime_____ville. (b) ____livre est intéressant. (c) J'adore___pays.
(d) ____photos sont excellentes. (e) ___ami.

2.	Chassez l'intrus.	5	3	5	6

(a) avion, chat, lion, éléphant (b) frère, sœur, très, mère (c) le, les, mes, l'
(d) lundi, mai, jeudi, mardi (e) soleil, étoile, lune, arbre

3.	Complétez avec les articles indéfinis.	5	1	2	5

(a) ____bibliothèque. (b) ____arbre. (c) ___étudiants.
(d) ____stylo. (e) ____robe.

4.	Conjuguez les verbes pronominaux.	5	2	2	6

(a) Tu_____les dents. (Se brosser) (b) Je_____à 5h30. (Se réveiller)
(c) Elle_____tôt. (Se lever) (d) Je_____dans le parc. (Se promener)
(e) Nous_____ tard. (Se coucher)

5.	Complétez avec un pronom COD.	5	3	2	2

(a) Tu regardes le match. (b) J'écoute la radio. (c) J'aime ces livres.
(d) J'aime les frites. (e) Vous connaissez M. Dubois?

6.	Écrivez l'heure en français.	5	3	1	3

(a) 12h45 (b) 7h47 (c) 21h19 (d) 9h52 (e) 00h00

7.	Mettez les articles partitifs.	5	2	1	5

(a) Je mange du pain avec_____beurre. (b) Il boit_____eau.
(c) Paul mange_____frites. (d) Riya prépare souvent_____salade.
(e) Elle mange_____omelette.

8.	Complétez avec le pronom « en ».	5	3	2	2

(a) Paul boit de l'eau. (b) Victor mange du gâteau. (c) Il mange de la viande.
(d) Elle a beaucoup de temps. (e) Nous faisons du sport.

PART-B
Answer all questions (30 marks)

9.	Mettez les phrases au futur proche.	5	3	2	2

(a) Le journaliste_____un article. (écrire) (b) Nous____en vacances. (partir)
(c) Vous_____au cinéma. (aller) (d) John____de la musique. (écouter)
(e) Tu _____au tennis ? (jouer)

10.	Complétez avec l'adjectif interrogatif.	5	3	1	3

(a) ____heure est-il ? (b) ____livres achetez-vous ? (c) ___est votre nom ?
(d) _____cassette achetez-vous ? (e) ____est votre adresse ?

11. Conjuguez les verbes au passé.   10   2   5   5

(a) Aller   (b) Parler   (c) Entendre   (d) Naître   (e) Entrer

12. Conjuguez les verbes au présent.   10   2   2   6

(a) Je _____ né le 17 février. (être)   (b) Il _____ le français. (étudier)

(c) Il _____ beau. (faire)   (d) Je _____ la télévision. (regarder)

(e) Vous _____ du thé ? (vouloir)   (f) J' _____ un rendez-vous à 1h. (avoir)

(g) Il _____ beaucoup. (manger)   (h) Vous _____ du ski. (faire)

(i) Elle _____ dans un hôtel. (travailler)

PART-C
Answer all questions   (30 marks)

13. Mettez les phrases au négatif.   5   2   5   2

(a) Tu fais du piano.   (b) Elle parle français.   (c) Vous aimez le café.

(d) Vous avez un roman ou un dictionnaire.   (e) Vous êtes en vacances.

14. Mettez à l'impératif.   5   2   3   5

(a) Cette robe est joli. (essayer)   (b) Je viens avec toi. (attendre)

(c) Vous devez envoyer cette lettre.   (d) Vous devez parler français.

(e) Vous devez visiter cette ville.

15. Complétez ce paragraphe avec les mots donnés.   5   2   5   11

(est,   La,   entré,   petit,   appelle)

La Suisse _____ une association de petits états : les cantons. Il y en a 26. C'est pour cela que l'on _____ aussi la Suisse « Confédération helvétique ». Le canton de Vaud est l'un des 26 cantons. Il est _____ dans la Confédération en 1803. _____ Suisse est un _____ pays au cœur de l'Europe, mais qui ne fait pas partie de l'Union européenne.

16. Associez les listes.   5   2   1   4

	A		B
(a)	Valérie	(i)	36, rue Mouffetard, Paris
(b)	J'ai	(ii)	Très bien merci, et vous ?
(c)	Elle habite	(iii)	est chanteuse
(d)	Il	(iv)	24 ans
(e)	Comment allez-vous ?	(v)	fait beau.

17. Écrivez vos loisirs environ 10 lignes.   5   2   3   3

18. Lisez bien le passage et répondez aux questions.   5   3   5   11

Les français aiment à bien vivre, mais ils mangent et boivent avec modération. Ils font trois repas par jour: le petit déjeuner du matin, le déjeuner de onze heures à midi et le diner de huit heures à neuf heures. Le matin, ils prennent généralement une tasse de café au lait avec un morceau de pain. En France, on mange de la viande et du poisson comme dans tous les pays, mais on mange aussi beaucoup de légumes et beaucoup de pain. Les français boivent généralement du vin à leurs repas. Le vin français a peu d'alcool. La cuisine française est célèbre dans le monde entier.

(i) Combien de repas par jour font les français?

(ii) Qu'est-ce qu'on mange en France?

(iii) Où la cuisine française est-elle célèbre?

(iv) À quelle heures sont ses repas?

(v) Que prennent-ils le matin?

*******Bonne Chance*******

RA2312420004

SRM Institute of Science and Technology NCR Campus, Modinagar
Department of Computer Application
INTERNAL EXAMINATION -III, April -2023

Subject Name: Introduction to Data Science (SET-B)
Subject Code: UDS21201J   Sem/Year: 2nd Sem/1st Year
Time: 3 Hr   Max. Marks: 100

PART - A (Marks: 2*10=10) Attempt all questions

	Marks	BL	CO	PO
1. Define Data Engineering.	2	2	3	2
2. Describe the future of Data science and Business intelligence together?	2	1	2	1
3. What are Data engineering skills?	2	2	2	3
4. What is String in python?	2	2	1	7
5. What is Scipy Interpolation?	2	1	1	3
6. What is a Dataframe in pandas?	2	1	5	1
7. Define NLP.	2	3	3	3
8. What is "Bi-variate Analysis"?	2	4	4	6
9. What is Data warehouse?	2	5	6	5
10. What are "Histograms"?	2	3	5	3

PART - B (Marks: 5*16=80) Attempt all questions

	Marks	BL	CO	PO
1. Explain in detail about "Data Science Pipeline" along with its stages.	16	2	4	12
OR				
Differentiate between Data Science and AI.				
2. Describe the term "Set" and "Dictionary" with Examples.	16	2	2	10
OR				
Write short notes on :				
(i) Numpy array indexing				
(ii) Loops in python				
3. What is EDA? Explain in detail.	16	1	5	7
OR				
What is Scipy? Differentiate between Numpy and Scipy.	16	5	5	3
4. What is Deep Learning?Differentiate between Deep learning and Machine learning.	16	1	3	3
OR				
Write short notes on (i) Deep Learning framework (ii) Tensorflow				
5. What is NLTK? How you can perform text processing using it.	16	3	3	4
OR				
What is "Matplotlib"? Write short notes on				
(i) Bar Chart	8	1	3	3
(ii) Pie-Chart	8	1	3	3

Reg No.

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SRM Institute of Science and Technology, NCR Campus, Modinagar
Department of Computer Application
INTERNAL EXAMINATION -3, April -2023
SET-A

Subject Name: Advanced Computing with Distributed Data Processing
Subject Code: UDS21202J

Time: Three Hours

Sem/Year: 2ⁿᵈ Sem/1ˢᵗ Year

Max. Marks: 100

PART - A (10 X 2=20 Marks)
Answer ALL Questions

No.	Question	Marks	BL	CO	PO
1.	Give some examples of private cloud?	2	1	1	1
2.	How to get the central logs from POD?	2	1	1	1
3.	Illustrate the memory & storage of virtualization.	2	1	2	2
4.	Write down the PMG steps.	2	4	3	1
5.	What are the Difference Between Weighted Load Balancing vs Round Robin Load Balancing?	2	2	3	2
6.	State any two service providers of SaaS.	2	3	3	1
7.	Difference between CPU, TPU & GPU.	2	2	2	1
8.	List few drawbacks of GPU & TPU.	2	1	2	3
9.	Short note on "General Pipeline"	2	1	2	4
10.	Distinguish between scalability and flexibility?	2	1	4	4

PART - B (5 X 16=80 Marks)
Answer ALL Questions

No.	Question	Marks	BL	CO	PO
11.a.	Explain in detail about Grid Computing Infrastructures.	16	2	4	2
	(OR)				
11.b.	Briefly the security concerns of cloud computing.	16	3	4	3
12.a.	Describe the load balancing with suitable diagram.	16	2	4	3
	(OR)				
12.b.	Discuss the operational and economic benefits of SaaS.	16	1	4	3
13.a.	For a SaaS application, who will be responsible to provide security for the infrastructure? Will it be clouding service provider or the cloud service consumer? Who will be responsible to ensure compliance with a privacy standard? Formulate your views about it.	16	2	3	2
	(OR)				
13.b.	Explain meshing and remeshing.	16	2	3	3
14.a.	What is the role of Load Balance in Kubernetes?	16	2	2	3
	(OR)				
14.b.	Write short notes on (1) Software virtualization (II) network virtualization.	8 8	3 3	2 2	3 3
15.a.	Which are the different layers that define cloud architecture?	16	2	4	4
	(OR)				
15.b.	Explain NLB in AWS.	16	1	4	4

SRM Institute of Science and Technology
NCR Campus, Modinagar
Department of Computer Application
IE-III, April-2023, Set-B

Subject Name: Role of Statistics in AI
Subject Code: UDS21G02T
Time: 3 Hrs

Course : BCA Data Science
Sem/Year: 2th Sem/1st Year
Max. Marks: 100

PART - A (Marks: 2*10=20) *Attempt all questions*

		Marks	BL	CO	PO
1	Find the Median: 4, 74, 45, 17, 19, 20, 6, 11	2	3	1	1
2	Find the variance of the following data: 2, 4, 6, 8, 3, 5.	2	3	1	1
3	If a coin tossed 3 times, then write the sample space.	2	2	2	1
4	What is conditional probability?	2	1	2	1
5	Suppose A and B are events. If $P(A)=0.4$, $P(B)=0.5$ and $P(A \cap B) = 0.3$, then find $P(A \cup B)$.	2	3	2	1
6	What is binomial distribution?	2	1	3	2
7	Write the formula to calculate the correlation coefficient.	2	1	4	2
8	Write two lines of regression.	2	1	5	2
9	Write the statistics used to test the significance of the difference between sample and population mean for large sample	2	2	5	2
10	What is the mean of F-distribution?	2	1	5	2

PART - B (Marks: 5*16=80) *Attempt all questions*

		Marks	BL	CO	PO
1	Find the Mode of the following data:	16	5	3	1

class interval	20-30	30-40	40-50	50-60	60-70
Frequency	42	65	35	13	5

OR

Draw ogives for the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	3	9	15	30	18	5

		Marks	BL	CO	PO
2	A consulting firm rents cars from three agencies, 30% from agency A, 20% from B and 50% from C. If 10% of the cars from A, 15% of the cars from B and 5% of cars from C that have bad tires, what is the probability that firm will get a car with bad tires ?	16	5	3	1

OR

An urn contains 5 red and 7 green balls another urn contains 6 red and 9 green balls. If a ball is draw from any one of the two urns, find the probability that the ball drawn is green.

3   16   5   3   2

Compute the coefficient of correlation between X and Y using the following data:

X	10	8	7	5	4	3	1
Y	2	6	8	10	14	16	20

<div align="center">OR</div>

Find the regression equation of X on Y from the following data:

X	10	12	13	17	18
Y	5	6	7	9	13

4   An experiment was conducted to test the efficacy of chloromycetin in checking   16   5   4   2
typhoid. In a certain hospital chloromycetin was given to 285 out of the 392
patients suffering from typhoid. The number of typhoid cases were as follows:

	Typhoid	No Typhoid	Total
Chloromycetin	35	250	285
No Chloromycetin	50	57	104
Total	85	307	392

with the help of χ^2,, test the effectiveness of chloromycetin in checking typhoid. ($\chi^2_{0.05}(v = 1) = 3.841$).

<div align="center">OR</div>

Two samples of sizes 8 and 7 gave the sums of squares of deviations from their respective
means equal to 158 and 90, respectively. Can they be regarded as drawn from the same
normal population? [Given that $F_{0.05}(v_1 = 7, v_6 = 6) = 3.87$]

5   Two random samples gave the following results: 16   5   4   2

Sample no.	size	Mean	Variance
1	16	440	40
2	25	460	42

Test whether the samples have been drawn from the same normal population.

<div align="center">OR</div>

The following data give the number of air craft's accidents that occurred during the various

days of the week.

Day:	Sun	Mon	Tues	Wed	Thu	Fri	Sat
No. of accidents	8	14	16	12	11	14	9

Test whether the accidents are uniformly distributed over the week. ($\chi^2_{0.05}(v = 5) = 9.488$)

Reg No. | R | A | 2 | 2 | 3 | 1 | 2 | 4 | 2 | 0 | 3 | 0 | 0 | 0 | 4 |

BCA-DATA SCIENCE INTERNAL EXAMINATION-III, APRIL, 2023

Second Semester

UCS21S02T-INTRODUCTION TO MACHINE LEARNING

(SET-B)

Time: Three Hours

Max. Marks: 100

Answer **ALL** Questions

PART - A (10 X 2 = 20 Marks)

		Marks	BL	CO	PO
1.	Compare machine learning in industry with academia.	2	3	2	2
2.	State the advantages and disadvantages of unsupervised learning algorithm	2	2	1	2
3.	Write down real-world use cases of reinforcement Learning	2	2	2	3
4.	Comment on model engineering.	2	4	2	1
5.	Illustrate model engineering and model deployment.	2	2	2	1
6.	List out various classification and regression models.	2	2	3	2
7.	Define non-linear regression in machine learning.	2	1	2	1
8.	Describe about clustering problems in machine learning.	2	2	2	1
9.	Outline the various useful known features of data in ML.	2	2	2	1
10.	Explain the amount of data required in ML.	2	2	2	2

Answer ALL Questions

PART - B (5 X 16 = 80 Marks)

		Marks	BL	CO	PO
11.a.	Write and explain about the steps for designing machine learning system.	16	4	3	2
	(OR)				
11.b	Discuss about cognitive technologies and its future in real life.	16	2	4	5
12.a.	Discuss the role of AI in health care management.	16	3	4	3
	(OR)				
12.b	Discuss the role of AI in energy and market segmentation.	16	3	2	1
13.a.	Describe about linear regression in machine learning with its application.	16	3	6	1
	(OR)				
13.b	What is regularization? Describe about Lasso regression.	16	2	2	3
14.a.	What is clustering? Describe about K Nearest Neighbouring clustering algorithm.	16	2	4	3
	(OR)				
14.b	Write short notes on following:				
	i. XGBoost classifier	8	3	2	3
	ii. Support Vector Machine	8	3	3	3
15.a.	Describe the processor, motherboard RAM, Hard disk, and GPU configuration in ML.	16	3	1	2
	(OR)				
15.b	Describe about Scikit learn, numpy, pandas, scipy, matplotlib in machine learning.	16	4	4	2

1. A and B can do a piece of work in 4 days, while C and D can do the same work in 12 days. In how many days will A, B, C and D do it together?
(A) 12 days 　　　　(B) 4 days 　　　　(C).3 days 　　　　(D).2 days

2. If A is to the south of B and C is to the east of B, in what direction is A withrespect to C?
(A). South East 　　　　(B) North 　　　　(C) None of These 　　　　(D) South-West

3. A's father is B's son-in-law. C, A's sister, is the daughter of P. How is P relatedto B?
(A). Brother 　　　　(B). Sister 　　　　(C). Mother 　　　　(D) Can't be determined

4. In how many ways can the letters of the word 'LEADER' be arranged?
(A)72 　　　　(B)144 　　　　(C)360 　　　　(D)720

5.A group consists of 4 girls and 7 boys. In how many ways can a team of 5 members be selected if the team has no girls.
(A)21 　　　　(B)20 　　　　(C)18 　　　　(D)22

6. In a certain code language "CONSTRUCTION" is written as "EMPQVPWAVGQL". What will be the code for "DESTRUCTION" in the same language?
(A)FCURTSERKMP 　　　　(B)EFTVSVDVJPO 　　　　(C)FCURTSFSLOQ 　　　　(D)None of the above

7. The mean of 8, 11, 6, 14, x and 13 is 66. Find the value of the observation x.
(A)346 　　　　(B)345 　　　　(C)342 　　　　(D)344

8.A train 240 m long passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?
(A)65 sec 　　　　(B)89 sec 　　　　(C)100 sec 　　　　(D)150 sec

9.Two trains are moving in opposite directions with speed 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is:
(A)36 　　　　(B)45 　　　　(C)48 　　　　(D)49

10. Look at this series: 7, 10, 8, 11, 9, 12, _____What number should come next?
(A)7 　　　　(B)10 　　　　(C)12 　　　　(D)13

11. In a certain code language, 'GIVE' is written as 'VIEG' and 'OVER' is written as "EVRO'. How will 'DISK' be written in that same code?
(A) SIDK 　　　　(B) KISD 　　　　(C) KDSI 　　　　(D) SIKD

12.A shopkeeper expects a gain of 22.5% on his cost price. If in a week, his sale was of Rs. 392, what was his profit?
(A)Rs. 18.20 　　　　(B)Rs. 70 　　　　(C)Rs. 72 　　　　(D)Rs. 88.2

13.A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?
(A)Rs. 1090 　　　　(B)Rs. 1160 　　　　(C)Rs. 1190 　　　　(D)Rs. 1202

14.An aeroplane covers a certain distance at a speed of 240 km/hr in 5 hours. To cover the same distance in $1\frac{2}{3}$ hours, it must travel at a speed of:
(A)300 km/hr 　　　　(B)360 km/hr 　　　　(C)600 km/hr 　　　　(D)720 km/hr

15. In how many ways can the letters of the word BEAUTY be arranged?
(A) 360 　　　　(B)5! 　　　　(C) 6! 　　　　(D)7!

16.A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?
(A)Rs. 500 　　　　(B)Rs. 1500 　　　　(C)Rs. 2000 　　　　(D)None of these

17.Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?
(A)2 : 3 : 4 　　　　(B)6 : 7 : 8 　　　　(C)6 : 8 : 9 　　　　(D)None of these

18.In how many ways 5 students can be chosen from 12 students?
(A)792 　　　　(B)790 　　　　(C)120 　　　　(D)720

The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

19. What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)

(A)77.26   (B)89.14   (C)91.37   (D)96.11

20. What was the aggregate of marks obtained by Sajal in all the six subjects?

(A)409   (B)419   (C)429   (D)449

21. The number of students who obtained 60% and above marks in all subjects is?

(A)1   (B)2   (C)3   (D)None

22. In which subject is the overall percentage the best?

(A)Maths   (B)Chemistry   (C)Physics   (D)History

23.The average of 10 numbers is 23. If each number is increased by 4,what will the new average be?

(A)23   (B)25   (C)27   (D)29

24.Find the mode of the data 1,1,2,4,2,1,2,2,4.

(A)2   (B)1   (C)4   (D)None of these

25.If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:

(A)50 km   (B)56 km   (C)70 km   (D)80 km

26.What is the ratio whose terms differ by 40 and the measure of which is 2/7 ?

(A)12:56   (B)16:56   (C)23:58   (D)None of these

27.Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B is

(A)4:3   (B)3:4   (C)1:1   (D)2:3

28.The average of 9 observations was 9,that of the 1st of 5 being 10 and that of the last 5 being 8. What was the 5th observation?

(A)6   (B)7   (C)8   (D)9

29.If 40% of a number is equal to 2/3rd of another number, what is the ratio of 1st number to the 2nd number?

(A) 2 : 5   (B). 3 : 7   (C). 5 : 3   (D). 7 : 3

30. If a : b = 4:1, then find (a – 3b) / (2a – b)?

(A)1/7   (B)2/7   (C)3/7   (D)5/7

31. Total income of Esha in the years 2003, 2004, 2005 was ₹36,400. Her income increased by 20% each year. What was her income in 2005?

   A) Rs. 5600   B) Rs. 8800   C) Rs. 14400   D) Rs. 12000

32. The population of a town is 12400. It increases by 15% during the first year and by 20% during the second year and by 25% during the third year. What is the population after three years?

   A) 23190   B) 22390   C) 21390   D) 21360

33. Sunil purchases two books at Rs. 300 each. He sold one book at 10% gain and other at 10% loss. What is the total loss or gain in percentage?

A)1% gain   B)10% gain   C) 1% Loss   D) Neither loss nor gain

34. The cost price of 12 articles is equal to the selling price of 8 articles. Find the profit percent.

A)20%   B) 50%   C) 60%   D) 25%

35. A shopkeeper bought two articles for Rs. 1285 each and sells at 12% profit and other at 12% loss than find his net profit or loss%?

   A) 1.44% loss   B) 1.44% profit   C) 1.88% loss   D) Neither profit nor loss

36. A man sells two goats at ₹ 120 each and by doing so he gains 15% on one goat and loses 15% on the other. What is the % loss or gain in this deal??

   A) 22.5% gain   B) 2.25% gain   C) 2.25% loss   D) None of these

37. A and B invested Rs. 30,000 and Rs. 40,000 respectively in a business for one year. If they earned Rs. 7,700 at the end of one year, then find B's profit

   A) 3800   B) 3300   C) 4400   D) 4000

38. A, B & C can do a piece of work in 12, 15 & 20 days respectively. In how many days will all three do this work together?

   A) 10 days   B) 4 days.   C) 5 days   D) None of these

39. How many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

A) 42000   B) 4800   C) 50400   D) 47200

40. 7500 distributed among the A, B and C is so that ratio between the parts of A and B is 5:2 and B and C is 7:13, then what amount B will get?

A) 4000   B) 2000   C) 1400   D) 1440

41. Two numbers are in the ratio 5:6 and if 4 is subtracted from each, they are reduced to ratio 4:5. the smaller number is

A)16   B) 15   C) 20   D) 24

42. 23% of 6783 + 57% of 8431 = ?

A) 6460   B) 6420   C) 6320   D) 6360

43. 20% of 30% of 20% of ˋ850 is:

A) Rs. 9.50   B) Rs. 10.20   C) Rs. 10.50   D) None of these

44. Two numbers are respectively 60% and 20% more than a third number. Second number expressed as a percentage of first is:

A) 75%   B) 90%   C) 80%   D) None of these

45. A man spends 15% of his income. If his expenditure is Rs. 75, his income (in rupees) is:

A) 400   B) 300   C) 750   D) 500

46. Two years ago, the value of a motorbike was Rs. 62,500. If the value depreciates by 4% every year, now its value is:

A) Rs. 56,700   B) Rs. 57,600   C) Rs. 57,500   D) Rs. 55,700

47. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

A) 45 km/hr   B) 50 km/hr   C) 53 km/hr   D) 55 km/hr

48. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

A) 120 m   B) 240 m   C) 300 m   D) None of these

49. A goods train runs at the speed of 72 kmph and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?

A) 230 m   B) 240 m   C) 260 m   D) 270 m

50. In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that code?

A) SHFDQ   B) HFDSQ   C) RSAFD   D) QDFHS

51. Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?

A) Sister   B) Grandmother   C) Mother-in-law   D) Mother

52. B is father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

A) Son   B) Son-in-law   C) Brother   D) Brother-in-law

53. Look at this series: 36, 34, 30, 28, 24, ... What number should come next??

A) 20   B) 22   C) 23   D) 26

54. Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?

A) 22   B) 24   C) 25   D) 26

55. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?

A) 12   B) 14   C) 27   D) 53

56. Which of the following number is divisible by 24?

A) 35718   B) 63810   C) 537804   D) 3125736

57. If the number 481 * 673 is completely divisible by 9, then the smallest whole number in place of * will be:

A) 2   B) 5   C) 6   D) 7

58. Which of the following number is divisible by 24?

A) 35718   B) 63810   C) 537804   D) 3125736

59. If the number 481 * 673 is completely divisible by 9, then the smallest whole number in place of * will be:

A) 2   B) 5   C) 6   D) 7

60. 23% of 6783 + 57% of 8431 = ?

A) 6460   B) 6420   C) 6320   D) 6360