DATA INTERPRETATION

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2025 and CUET General Test Paper 3 for admission to BCA, BBA, BMS, BBM

Direction (1 – 3). Comprehension: Study the following table and answer the questions based on it.
Below is the Household Expenditure (in Thousand Rupees) per annum.

Year	Household Expenditure				
	Grocery	Rent	Leisure	EMI	Taxes
2010	32	12	5	3.4	9
2011	37	13	6.5	4.5	13
2012	46	14	7.3	5.6	17
2013	48	16	7.9	6.4	18
2014	52	18	8.5	7.4	19

1. What is the total Household Expenditure for the year 2012?
   A. Rs. 89,900
   B. Rs. 87,120
   C. Rs. 89,100
   D. Rs. 88,200

2. Expenditure on EMI forms what percentage of expenditure on Grocery for the year 2014?
   A. 11.34%
   B. 14.23%
   C. 13.22%
   D. 15.55%

3. What is the average spending on Leisure per annum?
   A. Rs. 7,040
   B. Rs. 6,500
   C. Rs. 7,100
   D. Rs. 7,400

Given below is the list of expenditures (in lakh rupees) per annum of Company Z over the years.

Year	Expenditure Items for Company Z				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
2011	412	227	15	133.4	98
2012	557	233	16.5	142.5	138
2013	656	245	17.3	151.6	174
2014	680	260	17.9	166.4	188
2015	720	284	18.5	179.4	198

4. What is the average amount of Bonus per year?
   A. Rs. 17.04 Lakhs
   B. Rs. 17 Lakhs
   C. Rs. 17.4 Lakhs
   D. Rs. 16.8 Lakhs

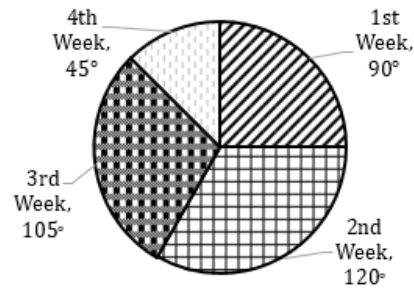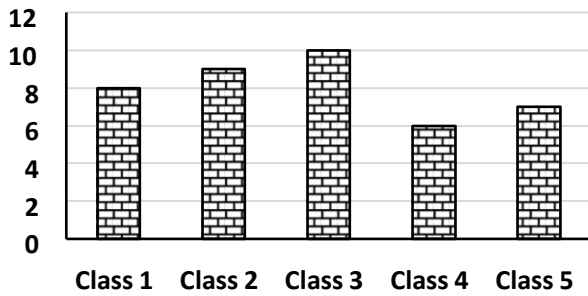5. What is the total expenditure of Company Z in the year 2011?
   A. Rs. 897.2 Lakhs
   B. Rs. 827.5 Lakhs
   C. Rs. 885.4 Lakhs
   D. Rs. 727.1 Lakhs

6. What is the expenditure on Fuel and Transport as a percentage of expenditure on Salary for the year 2012?
   A. 41.8%
   B. 40.1%
   C. 43.1%
   D. 44.2%

7. Following figure shows the number of 5 students in Mathematics out of 10 marks

Directions (4- 6): Study the following table and answer the questions based on it.

How much more marks did student 3 & 5 got than 4 & 1?

A. 2
B. 1
C. 3
D. 4

A. 90,000 rs
B. 120,000 rs
C. 45,000 rs
D. 105,000 rs

Directions (8 - 10): The following table represents the percentage marks of four students in six subjects.
Consider the table and answer questions based on it.

Student	Maths	Science	History	Geography	English	Hindi
Shamita	75	80	65	68	75	65
Smita	80	85	75	65	70	70
Shilpa	82	88	70	69	71	70
Sheela	78	87	65	70	75	74

8. The average marks obtained by the students in Geography and History are

A. 68.75 and 68
B. 70.5 and 69
C. 68 and 68.75
D. 68.75 and 68.5

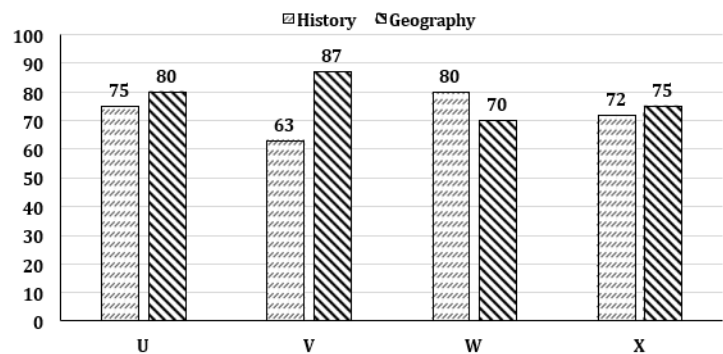9. Average marks obtained in Science is higher than that of Maths by

A. 1.5
B. 20
C. 6.25
D. 40

10. Who has the highest total marks?

A. Shamita
B. Smita
C. Shilpa
D. Sheela

11. The income of a person has been shown in the pie-chart. If his total income is 3,60,000 rs. Then find the income of his second week.

Directions (12 - 14): The bar chart represents percentage marks scored by four students U, V, W and X in History and Geography. Consider the bar chart and answer questions based on it.

12. Who scored the highest percentage in both the subjects combined?

A. Both V and W
B. V
C. W
D. U

13. What is the percentage of marks obtained in Geography and History together by W?

A. 75.8%
B. 80%
C. 77.5%
D. 75%

14. What is the average percentage marks obtained in History by all students?
A. 78%
B. 75%
C. 72.5%
D. 70%

15. Eggs sold by a shopkeeper over a week is given in the table below.
Eggs sold in dozens

Day	Sales in dozen
Sunday	12
Monday	8
Tuesday	11
Wednesday	5
Thursday	9
Friday	10
Saturday	10

If the price of one egg was Rs. 2.50, how much more did he earn on Friday than on Monday?

A. 55 rupees
B. 60 rupees
C. 45 rupees
D. 62 rupees

	June	July	August	September
JK	1100	1100	1000	1200
HP	1100	1100	1000	1300
WB	1400	1300	1200	1000
Ga	1000	1300	1500	1700
TN	1200	1050	1000	1100

Consider the information and answer questions based on it

Q16. Which state has the lowest average rainfall?
A. JK
B. HP
C. WB
D. TN

Q17. Which state shows a gradual increase in its rainfall from June to September?
A. HP
B. WB
C. GA
D. TN

Q18. Which month received the lowest rainfall in the year?
A. June
B. July
C. August
D. September

Direction (16-18): The following table represents the rainfall (in mm) of five states from June to September in a year.

Direction (19 - 21); The following table represents the category wise count of books in four local libraries.

Category	ABL	GHL	MNL	PQL
Self-help	150	170	200	200
Nonfiction	500	600	550	600
Fiction	750	610	700	600
Management	100	130	100	110
Comics	175	100	100	75
Technical	115	100	150	200

Consider the table and answer questions based on it.

Q19. The self-help books in library GHL is how much less than its fictional books?
- A. 340
- B. 430
- C. 440
- D. 330

Q20. Which library has the highest total count of books?
- A. ABL
- B. GHL
- C. MNL
- D. PQL

Q21. The difference between the total number of nonfiction and management books of all four libraries is
- A. 1850
- B. 1810
- C. 2250
- D. 1800

Direction (22-24): Study the following table and answer the questions based on it.
Following table gives the expenditures of a company (in lakh rupees) per annum over the given years.

Year	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Q22. The ratio between the total expenditure on taxes for all the years to the total Bonus for all the years respectively is?
- A. 9:40
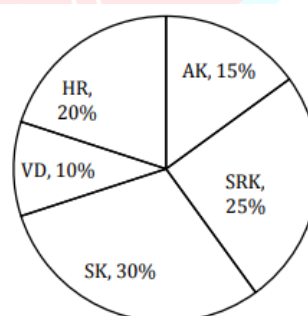- B. 25:13
- C. 451:17
- D. 1:25

Q23. Expenditure on Fuel and Transport forms what percentage of expenditure on Salary for all the years?
- A. 34.26 %
- B. 39.22 %
- C. 33.57 %
- D. 33.58 %

Q24. The total expenditure of the company over the items during the year 2001 is –
- A. Rs. 590 lakhs
- B. Rs. 598 lakhs
- C. Rs. 597 lakhs
- D. Rs. 597.08 lakhs

Directions (25- 27): The pie chart represents the favorite stars (Bollywood stars SRK, SK, AK, HR and
VD) of the people of a family.

Consider the pie chart and answer questions based on it

Q25. If there are 40 people in the family, what is the difference between those who like AK and those who like VD?

    A. 2
    B. 3
    C. 4
    D. 6

Q26. The sector angle corresponding to the HR is

    A. 36°
    B. 72°
    C. 54°
    D. 108°

Q27. The ratio of people who like SRK to those who like SK is

    A. 6/5
    B. 5/6
    C. ½
    D. 2/1

Q28. The table below depicts the no. of pages printed by 6 Printers in 5 different months. Study the table carefully and answer the following questions
Number of Pages Printed by 6 Printers in 5 Different Months

Month	Printer P	Printer Q	Printer R	Printer S	Printer T	Printer U
1st	664	618	628	552	638	419
2nd	569	441	519	438	621	537
3rd	440	614	503	527	541	742
4th	256	563	347	651	412	321
5th	717	429	598	582	519	693

What is the average number of pages printed by all the given printers in 4th month?

    A. 415
    B. 430
    C. 425
    D. 325

Answer Key

1. Ans. A
Sol. Total household expenditure for the year
2012 = 46 + 14 + 7.3 + 5.6 + 17
= 89.9 × 1000 = 89,900

2. Ans B
Sol. Required % = 7.4/52 × 100 = 14.23%

3. Ans. A
Sol. Required value = $\frac{5 + 6.5 + 7.3 + 7.9 + 8.5}{5} \times 1000$
= 7040

4. Ans A
Sol. Average Bonus = $\frac{15 + 16.5 + 17.3 + 17.9 + 18.5}{5}$
= $\frac{85.2}{5} = 17.04$

5. Ans C
Sol. Total expenditure in 2011 = 885.4 lakh

6. Ans A
Sol. In 2012 = fuel and Transport = 233 lakhs
Salary in 2012 = 557 lakhs
% = $\frac{233}{557} \times 100 = 41.8\%$

7. Ans C
Sol. Required = (10 + 7) – (6 + 8)
Difference = 3

8. Ans. C
Sol. Ave marks of geography = $\frac{68 + 65 + 69 + 70}{4} = 68$
Avg marks of History = $\frac{65 + 75 + 70 + 65}{4} = 68.75$

9. Ans. C
Sol. Avg marks of Science = $\frac{80 + 85 + 88 + 87}{4} = 85$
Avg marks of maths = $\frac{75 + 80 + 82 + 78}{4} = 78.75$
Difference = 85 – 78.75 = 6.25

10. Ans C
Sol. Shilpa = 450
Sheela = 449
Shamita = 428 Smita = 445

Hence, Shilpa

11. Ans. B
Sol. Earning is 2nd week = $\frac{120}{360} \times 360000 = 120,000$

12. Ans. D

Sol. Percentage of U = $\frac{75+80}{200} \times 100 = 77.5\%$

Percentage of V = $\frac{63+87}{200} \times 100 = 75\%$

Percentage of W = $\frac{80+70}{200} \times 100 = 75\%$

Percentage of X = $\frac{72+75}{200} \times 100 = 73.5\%$

13. Ans. D
Sol. Percentage of marks obtained by w=75%

14. Ans. C
Sol. Average percentage in History = $\frac{75+63+80+72}{4}$
= $\frac{290}{4}$ =72.5%

15. Ans B
Sol. Earning on Monday = 12×2.5×12=360
Earning on Friday= 12×10×2.5 = 300
∴ Required difference = 360–300=Rs.60

16. D
Sol. TN = 4350 (lowest)
JK = 4400
HP = 4500
WB = 4900
GA = 5500

17. C

18. C
Sol. June = 5800
July = 5850
Aug = 5700 (lowest)
Sep = 6300

19. C
Sol. Required value = 610 – 170 = 440

20. C

Sol.
ABL =150+500+750+100+175+115=1790
GHL = 170+600+610+130+100+100=1710
MNL=200+550+700+100+100+150=1800
PQL = 200+600+600+110+75+200=1785

21. B
Sol. Required value = (500+600+550+600) -(100+130+100+110)
= 2250 – 440 = 1810

22. Ans. C
Sol. 83 + 108 + 74 + 88 + 98 : 3 + 2.52 + 3.84 + 3.68 + 3.96 = 451 : 17

23. Ans. A
Sol. $\frac{98+112+101+133+142}{324+288+342+336+420} \times 100$

$= \frac{586}{1710} \times 100 = 34.26\%$

24. Ans. D
Sol. 336 + 133 + 3.68 + 36.4 + 88 = 597.08 lakhs

25. Ans. A
Sol. $AK = \frac{15}{100} \times 40 = 6$

$VD = \frac{10}{100} \times 40 = 4$

$\therefore$ Difference = 2

26. Ans. B
Sol. Sector angle $= \frac{20}{100} \times 360° = 72°$

27. Ans. B
Sol. $\frac{SRK}{SK} = \frac{25}{30} = \frac{5}{6}$

28. Ans. C
Sol. Average $= \frac{256+563+347+651+412+321}{6} = \frac{2550}{6} = 425$