



TOP 50 Data Interpretation Questions

Q. (1-5) Study the following table carefully and answer the questions given below:

No. of marks obtained by five students in five subjects in an Examination

(Total marks in all the five subjects in each are 200)

Student \ Subject	English	Math	History	Geography	Science
A	115	180	120	90	140
B	170	105	150	135	100
C	102	108	132	110	90
D	98	106	162	148	120
E	163	125	136	124	115

1. The total marks obtained by B in English and history together was approximately what percentage of marks obtained by E in English?

A. 150 B. 100 C. 200 D. 250 E. 175

2. Marks obtained by C in History was approximately what percentage of marks obtained by A in Geography?

A. 167 B. 67 C. 133 D. 33 E. 150

3. Who among them secured highest total marks in English, History and Geography?

A. A B. B C. C D. D E. E

4. If the minimum pass percentage is 50 in each subject to be declared pass in the examination, how many of them failed in the examination?

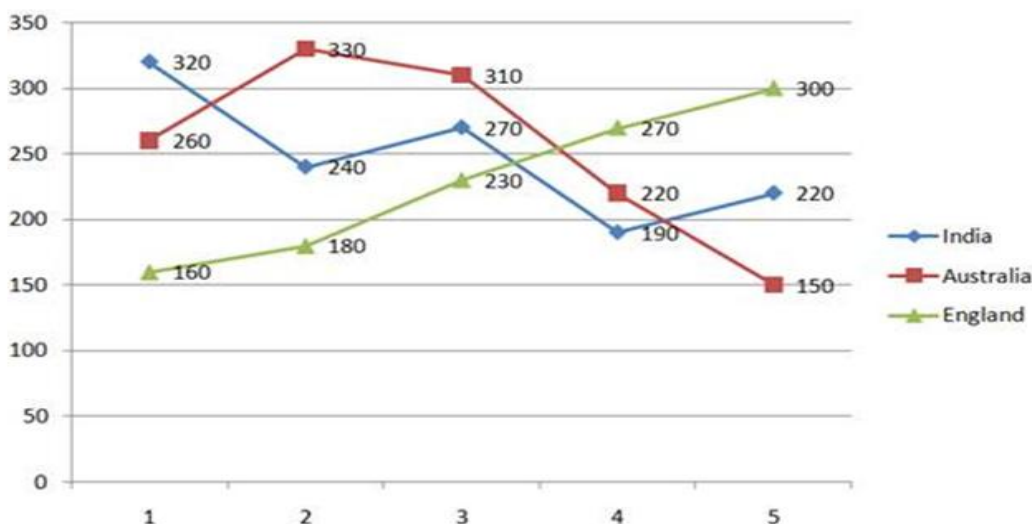
A. None B. 2 C. 1 D. 3 E. 4

5. Who among them secured highest total percentage of marks?

A. A B. B C. C D. D E. E

Q(6-10) Study the following graph carefully and answer the questions that follow.

Runs scored by three different teams in five different cricket matches





TOP 50 Data Interpretation Questions

6. Total runs scored by India and Australia in Match 4 together is approximately, what percentage of the total runs scored by England in all five matches together?

A) 42 B)18 C)36 D)24 E) 28

7. In which match, is the difference between the runs scored by Australia and England second lowest?

A) 1 B)2 C)3 D) 4 E)5

8. In which match the total runs scored by India and England is the third highest/lowest?

A) 1 B)2 C) 3 D) 4 E) 5

9. What is the respective ratio between the runs scored by India in Match 5 Australia in Match 1 and England in Match 2?

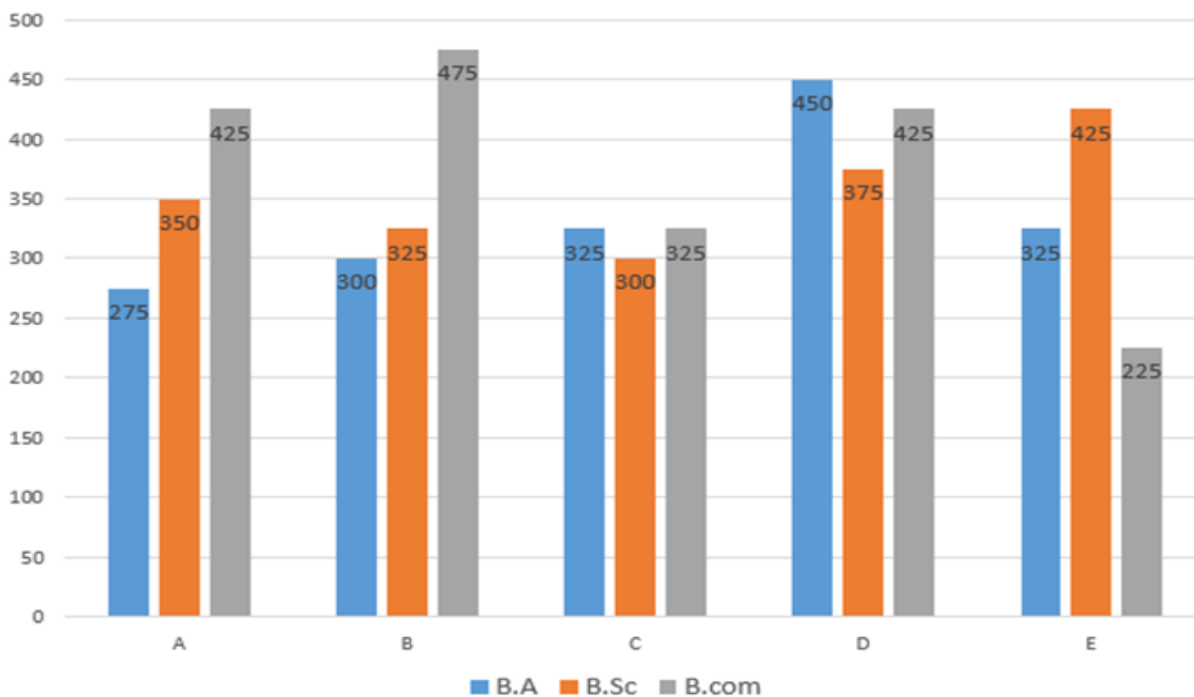
A) 11 : 13 : 7 B) 11 : 7 : 13 C)11 : 3 : 9 D)11 : 13 : 9 E)NONE OF THESE

10. What was the average runs scored by all the three teams in Match 3 together?

A) 280 B)270 C) 275 D)285 E)NONE OF THESE

Q (11-15) Study the following graph carefully to answer the questions that follow.

Number of Students Enrolled in Three Different Disciplines in Five Different Colleges



11. What is the total number of students studying B.Sc. in all the Colleges together?

A.1825 B.1975 C.1650 D.1775 E.None of these



TOP 50 Data Interpretation Questions

12. What is the respective ratio of total number of students studying B.Sc. in the colleges C and E together to those studying B.A. in the colleges A and B together?

A. 24 : 23 B. 25 : 27 C. 29 : 23 D. 29 : 27 E. None of these

13. What is the respective ratio of total number of students studying B.Sc., B.A. and B. Com. in all the Colleges together?

A. 71 : 67 : 75 B. 67 : 71 : 75 C. 71 : 68 : 75 D. 75 : 71 : 68 E. None of these

14. Number of students studying B.Com. in College C forms approximately what per cent of the total number of students studying B.Com. in all the colleges together?

A. 39 % B. 21 % C. 44 % D. 33 % E. 17 %

15. Number of students studying B.A. in College B forms what per cent of total number of students studying all the disciplines together in that college? (Round off to two digits after decimal)

A. 26.86 % B. 27.27 % C. 29.84 % D. 32.51 % E. None of these

Q(16-20) Study the following table carefully and answer the questions given below. Number of tickets sold in a week of five movies in the multiplexes in six different cities (number in thousands)

movie \ city	A	B	C	D	E
Mumbai	20	15	35	26	18
Delhi	17	19	21	25	28
Kolkata	32	24	19	21	17
Chennai	18	21	32	28	34
Hyderabad	16	34	26	29	22
Lucknow	15	27	20	35	26

16. The number of tickets of movie B sold in Hyderabad was approximately, what per cent of the total number of tickets of the same movie sold in all the cities together?

A. 15 % B. 18 % C. 12 % D. 20 % E. 24 %

17. What is the difference between the number of tickets of movie D sold in Kolkata and the number of tickets of movie B sold in Lucknow?

A. 7500 B. 7000 C. 14000 D. 9000 E. None of the above

18. What is the average number of tickets of movie C sold in all the six cities?

A. 15500 B. 2550 C. 24000 D. 25500 E. None of the above



TOP 50 Data Interpretation Questions

19. The number of tickets of movie E sold in Chennai is what per cent of number of tickets movies A sold in Mumbai?

A.170 B.70 C.30 D.130 E.None of the above

20. In which city was the total number of tickets of all the five movies together sold the minimum?

A. Delhi B. Chennai C. Lucknow D.Kolkata E.None of these

Q(21–25): In the following table, the number of pages printed by 6 printers in 5 weeks has been given. Read the following table carefully and answer the questions.

Number of pages printed by 6 printers in 5 weeks

Printer week	A	B	C	D	E	F
First	664	618	628	552	638	419
Second	569	441	519	438	621	437
Third	440	614	503	527	541	742
Fourth	256	563	347	651	412	321
Fifth	717	429	598	582	519	693

21. What is the average number of pages printed by all printers in the first week?

A) 586.5 B) 540 C) 545.4 D) 546.5 E) 548

22. What is the average number of pages printed by printer C taking all the weeks together?

A) 529 B) 519 C) 591 D) 592 E) 539

23. In which week was the number of printed pages maximum?

A) First B) Second C) Third D) Fourth E) Fifth

24. The difference between the pages printed by printers A and E in the second week is

A) 46 B) 42 C) 62 D) 52 E) None of these

25. The difference between the total pages printed by printers B and C (all weeks taken together) is

A) 65 B) 70 C) 66 D) 77 E) None of these

Q. (26-30): Study the following table and answer the questions that follow:

The table represents the total sales value (in lakhs) of five books P, Q, R, S and T across eight bookstores A, B, C, D, E, F, G and H.

BOOKS	BOOK STORES							
	A	B	C	D	E	F	G	H
P	560	590	210	670	560	680	420	460



TOP 50 Data Interpretation Questions

Q	550	560	890	230	820	610	520	230
R	450	290	540	530	500	520	560	410
S	230	240	560	400	430	200	210	480
T	230	400	410	240	200	360	500	470

26. What is the ratio the total sales values of Book P across all the bookstores and Book S across all the bookstores?

- A) 83 : 55 B) 85 : 53 C) 83 : 53 D) 89 : 55 E) None of these

27. The sale of the book R from Bookstore H is what per cent of the total sale of Book R across all the bookstores (rounded off to two places after the decimal)?

- A) 21.12 B) 17.19 C) 7.43 D) 3.04 E) 10.79

28. What is the average sale (in lakh) of Bookstore E?

- A) 502 B) 504 C) 512 D) 540 E) None of these

29. Book Q constituted approximately what per cent of the total sales of Bookstore C?

- A) 34 B) 39 C) 32 D) 23 E) 28

30. What is the total sales value (in lakh) of Bookstore D?

- A) 2510 B) 2670 C) 2900 D) 2070 E) None of these

Q.(31-35): The following table shows the distribution of value of sales of cars of two companies A and B in the given months.

Values of sales of Company A and B

Month	A	B
Jan	575000	862500
Feb	450000	337500
Mar	375000	625000
Apr	625000	1562500
May	300000	350000
June	175000	125000

31. By what per cent is the sales of Company B more than that of Company A in March?

- A) 70 $\frac{2}{3}$ % B) 64 $\frac{2}{3}$ % C) 65 $\frac{1}{3}$ % D) 66 $\frac{2}{3}$ % E) 67 %

32. By what per cent has the sales of Company A increased in April as compared to that in March?

- A) 66 $\frac{2}{3}$ % B) 65 % C) 67 $\frac{1}{3}$ % D) 53 $\frac{1}{3}$ % E) 70 $\frac{2}{3}$ %



TOP 50 Data Interpretation Questions

33. What is the total sales of Company B in all the months together?

- A) 3762400 B) 3862500 C) 3742500 D) 3852500 E) 3962500

34. In how many months is the sales of Company B more than that of Company A?

- A) 1 B) 2 C) 3 D) 4 E) 5

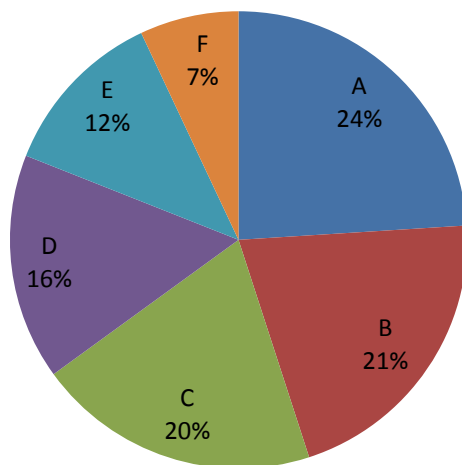
35. What is the average value of sales of Company B for all the months?

- A) 542850 B) 552960 C) 643750 D) 742850 E) 644950

Q. (36-40): Study the given pie-chart and table carefully and answer the questions given below:

The pie-chart shows the distribution of the total number of students studying medical courses from 6 colleges and the table shows the ratio of male to female students and the ratio of MBBS to MD students.

Total students = 400000



College	Male:Female	MBBS:MD
A	7 : 5	3 : 1
B	3 : 1	4 : 1
C	3 : 2	5 : 3
D	5 : 3	13 : 3
E	9 : 7	2 : 1
F	4 : 3	5 : 2

36. What is the difference between the number of MBBS students in college A and college E?

- A) 20000 B) 30000 C) 40000 D) 25000 E) None of these



TOP 50 Data Interpretation Questions

37. What is the ratio of female students of college C to those of college D?

- A) 3 : 2 B) 5 : 4 C) None of these D) 3 : 5 E) 4 : 3

38. What is the number of female students of college E who were studying MBBS?

- A) 24000 B) None of these C) 21000 D) 18000 E) Can't be determined

39. The number of MD students from college A is what per cent more than the number of MBBS students from college F?

- A) 12% B) 15% C) 20% D) 8% E) None of these

40. The number of female students in college B is what per cent of the number of male students in college E?

- A) 72.5% B) 77 7/9 % C) None of these D) 87.75% E) 83 4/9 %

Q.(41-45) : Study the following table carefully and answer the questions given below :

Number of students enrolled with five colleges over the years.

Year	H	I	J	K	L
2012	320	520	400	450	480
2013	350	540	380	480	500
2014	300	460	410	420	520
2015	360	480	430	460	470
2016	340	530	390	470	530

41. In 2014, from all colleges together 10% students enrolled went abroad. How many students went abroad?

- 1) 324 2) 236 3) 211 4) 412 5) None of these

42. The average number of students enrolled from college H for all the years together is approximately what percent of the average number of students enrolled from college J for all the years together ?

- 1) 74% 2) 83% 3) 88% 4) 92% 5) 76%

43. What is the ratio of the average number of students enrolled with all colleges together in 2015 to that in 2016 ?

- 1) 115 : 107 2) 113 : 117 3) 105 : 109 4) 110 : 113 5) None of these

44. In 2013, from all the colleges together an overall 40% of the students enrolled for computer course total how many students enrolled for this course ?

- 1) 900 2) 750 3) 850 4) 800 5) None of these

45. If from college H in 2015, 90% of the students enrolled appeared in a competitive examination, out of which 75% students passed, how many students passed the examination ?

- 1) 272 2) 236 3) 248 4) 243 5) None of these



TOP 50 Data Interpretation Questions

Q.(46-50) : Study the following table carefully and answer the given questions.

Number of students studying in different standards of different schools.

	III	IV	V	VI	VII	VIII
P	38	50	58	48	54	42
Q	46	45	45	58	60	50
R	54	42	46	58	48	40
S	50	52	40	46	55	45
T	48	52	55	44	55	48
U	54	60	42	54	52	52

Schools=> P,Q,R,S,T,U

Standards =>III IV V VI VII VIII

46. What is the approximate average number of students studying in standard III from all schools together ?

- A) 42 B) 36 C) 48 D) 54 E) None of these

47. Number of students studying in standard VI from school T is what percent of those studying in standard VI from school S ?

- A) 92.5% B) 95.65% C) 86.45% D) 78.65% E) None of these

48. Which school has the highest total number of students from all the given standards together ?

- A) P B) Q C) S D) U E) R

49. Which standard has the lowest total number of students from all the given schools together ?

- A) III B) IV C) VI D) VII E) VIII

50. What is the respective ratio of students studying in standard V of school P and Q together to those studying in standard VIII of schools R and S together ?

- A) 103 : 85 B) 57 : 54 C) 53 : 52 D) 89 : 83 E) None of these

EXPLANATIONS

1. Answer : (c)

Total marks of B in English and History = $170 + 150 = 320$

E's mark in English = 163

∴ Required percentage = $320/163 * 100 = 196.31 = 200(\text{approx.})$

2. Answer : (E)

Required percentage = $132/90 * 100 = 146.66 = 150(\text{approx.})$

3. Answer : (B)

Total marks in English, History and Geography by:

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TOP 50 Data Interpretation Questions

$$A : 115 + 120 + 90 = 325$$

$$B : 170 + 150 + 135 = 455(\text{highest})$$

$$C : 102 + 132 + 110 = 344$$

$$D : 98 + 162 + 148 = 408$$

$$E : 163 + 136 + 124 = 423$$

4. **Answer : (D)**

According to the question, A, C and D have failed in the examination.

5. **Answer: (E)**

Total marks by :

$$A : 115 + 180 + 120 + 90 + 140 = 645$$

$$B : 170 + 105 + 150 + 135 + 100 = 660$$

$$C : 102 + 108 + 132 + 110 + 90 = 542$$

$$D : 98 + 106 + 162 + 148 + 120 = 634$$

$$E : 163 + 125 + 136 + 124 + 115 = 663(\text{highest})$$

6. **Answer : C**

$$410/1140 * 100 = 35.96\%$$

7. **Answer: C**

Difference between scores by Australia and England in five matches respectively

$$=90, 140, 80, 50, 150$$

In Match 3 the runs are the Second lowest.

8. **Answer: (A)**

Sum of runs scored by India and England together in five matches are runs:

$$480, 520, 500, 460, 520$$

In match 1 the runs are the third highest/lowest.

9. **Answer: (D)**

$$220 : 260 : 180$$

$$22 : 26 : 18$$

$$11 : 13 : 9$$

10. **Answer: (B)**

Sum of runs scored by all the three teams in Match 3 = $310 + 270 + 230 = 810$

$$\text{Average} = 810/3 = 270$$

11. **Answer: (D)**

Total number of students studying B.Sc. in all the colleges together

$$= 350 + 325 + 300 + 375 + 425 = 1775$$



TOP 50 Data Interpretation Questions

12. **Answer: (C)**

Total number of students studying B.Sc. in the colleges C and E together = $300 + 425 = 725$

Total number of students studying B. A. in the colleges A and B together = $275 + 300 = 575$

Required ratio = $725 : 575 = 29 : 23$

13. **Answer: (A)**

Total number of students studying B.Sc. in all the colleges together

= $350 + 325 + 300 + 375 + 425 = 1775$

Total number of students studying B.A. in all the colleges together

= $275 + 300 + 325 + 450 + 325 = 1675$

Total number of students studying B.com in all the colleges together

= $425 + 475 + 325 + 425 + 225 = 1875$

Required ratio = $1775 : 1675 : 1875 = 71 : 67 : 75$

14. **Answer: (E)**

Number of students studying B.Com. in College C = 325

Total number of students studying B.com in all the colleges together

= $425 + 475 + 325 + 425 + 225 = 1875$

Percentage = $(325/1875) * 100 = 17.33\% \approx 17\%$

15. **Answer: (B)**

Number of students studying B.A. in College B = 300

Total number of students studying all the disciplines together in that college

= $300 + 325 + 475 = 1100$

Percentage = $(300/1100) * 100 = 27.2727\% \approx 27.27\%$

= $300 + 325 + 475 = 1100$

=> $(300/1100) * 100 = 27.2727\% \approx 27.27\%$

16. **Answer: (E)**

Total number of tickets of movie B sold in all the cities together = $15 + 19 + 24 + 21 + 34 + 27 = 140$ (thousand)

Number of tickets sold of movie B in Hyderabad = 34 (thousand)

required percentage = $(34/140) * 100 = 24\%$

17. **Answer: (E)**

Number of tickets sold of movie D in Kolkata = 21000

Number of tickets sold of movie B in Lucknow = 27000

required difference = $27000 - 21000 = 6000$

18. **Answer: (D)**

Total number of tickets of movie C sold in all cities = $35 + 21 + 19 + 32 + 26 + 20 = 153$ (thousand)



TOP 50 Data Interpretation Questions

So, required average = $153000/6 = 25500$

19. **Answer: (A)**

Number of tickets sold of movie E in Chennai = 34 (thousand)

Number of tickets sold of movie A in Mumbai = 20 (thousand)

required percentage = $(34/20) \times 100 = 170$

20. **Answer: (A)**

Total number of tickets sold in Mumbai = 114 (thousand)

Total number of tickets sold in Delhi = 110 (thousand)

Total number of tickets sold in Kolkata = 113 (thousand)

Total number of tickets sold in Chennai = 133 (thousand)

Total number of tickets sold in Hyderabad = 127 (thousand)

Total number of tickets sold in Lucknow = 123 (thousand)

Minimum tickets sold in Delhi.

21. **Answer: (A)**

Required average = $1/6 (664 + 618 + 628 + 552 + 638 + 419) = 1/6 \times 3519 = 586.5$

22. **Answer: (B)**

Required average = $(628 + 519 + 503 + 347 + 598)/5 = 2595/5 = 519$

23. **Answer: (E)**

Number of printed pages :

First week = 3519

Second week = 3025

Third week = 3367

Fourth week = 2550

Fifth week = 3538

24. **Answer: (D)**

Required difference = $621 - 569 = 52$

25. **Answer: (B)**

Total pages :

Printer B = 2665

Printer C = 2595

Difference = $2665 - 2595 = 70$

26. **Answer: (A)**

Total sales values of Book P across all the bookstores

= $560 + 590 + 210 + 670 + 560 + 680 + 420 + 460 = 4150$



TOP 50 Data Interpretation Questions

Total sales value of Book S across all the bookstores

$$= 230 + 240 + 560 + 400 + 430 + 200 + 210 + 480 = 2750$$

$$\text{Ratio} \Rightarrow 4150: 2750 = 83 : 55$$

27. **Answer: (E)**

Total sales values of Book R across all bookstores

$$= 450 + 290 + 540 + 530 + 500 + 520 + 560 + 410 = 3800$$

Sales of book R from Bookstore H is 410.

$$\% \text{ of books from Bookstore H} = (410/3800) * 100 = 10.789 = 10.79$$

28. **Answer: (A)**

$$\text{Average sales of Bookstore E} = (560 + 820 + 500 + 430 + 200) / 5 = 502$$

29. **Answer: (A)**

$$\text{Total sales of Bookstore C} = 210 + 890 + 540 + 560 + 410 = 2610$$

Sales value of Q in Bookstore C = 890

$$\% \text{ of Q in C} = (890/2610) * 100 = 34.099\% = 34$$

30. **Answer: (D)**

$$\text{Total value of Bookstore D} = 670 + 230 + 530 + 400 + 240 = 2070$$

31. **Answer: D**

$$\text{Reqd More \%} = (625000 - 375000) / 375000 * 100 = 66 \frac{2}{3} \%$$

32. **Answer: A**

$$\text{Reqd Increase \%} = (625000 - 375000) / 375000 * 100 = 66 \frac{2}{3} \%$$

33. **Answer: (B)**

$$\text{Total sales of B in all the given months} = 862500 + 337500 + 625000 + 1562500 + 350000 + 125000 = 3862500$$

34. **Answer: (D)**

From the table in Jan, March, April and May Company B has more sales value than that of Company A

35. **Answer: (C)**

$$\text{Reqd average} = 3862500 / 6 = 643750$$

36. **Answer: (C)**

Difference between the number of MBBS students in college A and E

$$= 400000 * (24/100) * (3/4) - 400000 * (12/100) * (2/3) = 72000 - 32000 = 40000$$

37. **Answer: (E)**

$$\text{Number of female students in College C} = 400000 * (20/100) * (2/5) = 32000$$

$$\text{Number of female students in College D} = 400000 * (16/100) * (3/8) = 24000$$

$$\text{Ratio} = 24000 : 32000 = 4 : 3$$



TOP 50 Data Interpretation Questions

38. **Answer: (E)**

Answer cannot be given with the given data.

39. **Answer: (C)**

Number of MD students in College A = $400000 \times (24/100) \times (1/4) = 24000$

Number of MBBS students in College F = $400000 \times (7/100) \times (5/7) = 20000$

Increase % = $(24000 - 20000) / 20000 \times 100 = 20\%$

40. **Answer: (B)**

Male students in College E = $400000 \times (12/100) \times (9/16) = 27000$

Female students in College B = $400000 \times (21/100) \times (1/4) = 21000$

Percentage = $(21000 / 27000) \times 100 = 77 \frac{7}{9}\%$

41. **Answer: (C)**

Required students = $(300 + 460 + 410 + 420 + 520) \times 10\%$

$\Rightarrow 2110 \times (10/100) = 211$

42. **Answer: (B)**

Required % = $((320 + 350 + 300 + 360 + 340) / 5) / ((400 + 380 + 410 + 430 + 390) / 5) \times 100$

$\Rightarrow (1670 / 2010) \times 100 = 83.08\%$

$\Rightarrow 83\%$

43. **Answer: (D)**

Required ratio = $((360 + 480 + 430 + 460 + 470) / 5) / ((340 + 530 + 390 + 470 + 530) / 5)$

$\Rightarrow 2200 / 2260 = 110 / 113$

$\Rightarrow 110 : 113$

44. **Answer: (A)**

Required students = $(350 + 540 + 380 + 480 + 500) \times 40\% = 2250 \times (40/100) = 900$

45. **Answer: (D)**

Required students = $360 \times (9/10) \times (3/4) = 243$

46. **Answer: (C)**

Required average = $(54 + 48 + 50 + 54 + 46 + 38) / 6 = 290 / 6 = 48.33 = 48$

47. **Answer: (B)**

Required percentage = $(44/46) \times 100 = 95.65\%$

48. **Answer: (D)**

In school P = $38 + 50 + 58 + 48 + 54 + 42 = 290$

Similarly,

In Q = 304

R = 288



TOP 50 Data Interpretation Questions

S = 288

T = 302

U = 314

Hence, school U has the highest number of students all standards together

49. Answer: (E)

In Standards,

III=290, IV= 301, V= 286, VI=308, VII=324, VIII=277

Hence, standards VIII has the lowest number of students all school together

50. Answer: (A)

Required ratio = $(58+45)/(40+45) = 103 : 85$

