WELCOME TO TEACHERS' VISION

RRB TEST – 5
Maths & Reasoning

Directions (1 - 5): What will come in place of the question mark (?) in the following number series?

Q1. 958 833 733 658 608 (?)
A) 577   B) 583   C) 567   D) 573   E) None

Q2. 11 10 18 51 200 (?)
A) 885   B) 1025   C) 865   D) 995   E) None

Q3. 25 48 94 186 370 (?)
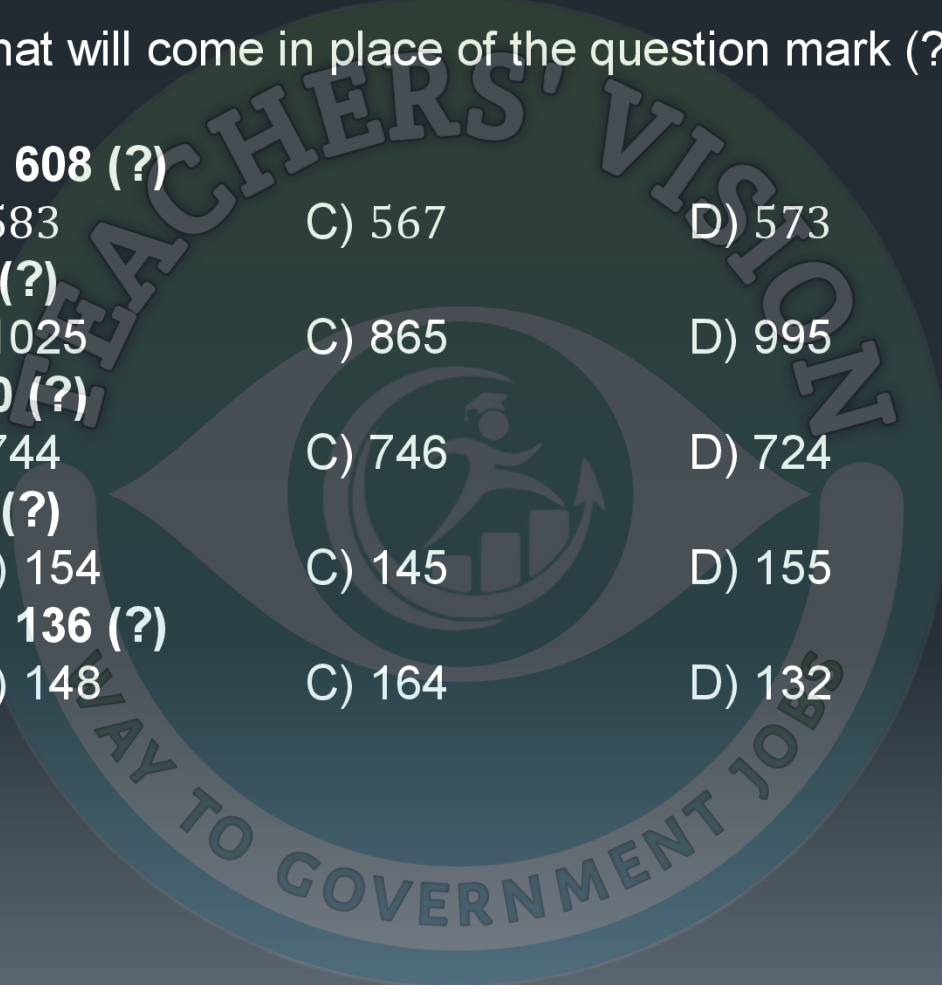A) 738   B) 744   C) 746   D) 724   E) None

Q4. 14 24 43 71 108 (?)
A) 194   B) 154   C) 145   D) 155   E) None

Q5. 144 173 140 169 136 (?)
A) 157   B) 148   C) 164   D) 132   E) None

Directions (6 - 10): What **approximate** value will come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value.)

Q6. $\sqrt{3100} \times \sqrt{567} \div \sqrt{250} = ? \div 8$

A) 620 　　　　　 B) 670 　　　　　 C) 770 　　　　　 D) 750 　　　　　 E) 700

Q7. 89.988% of 699.9 + 50.002% of 999.99 - 170.015 = ?

A) 990 　　　　　 B) 900 　　　　　 C) 920 　　　　　 D) 960 　　　　　 E) 860

Q8. $\dfrac{340}{20.002} \div \dfrac{29.997}{510} \times \dfrac{179.909}{59.919} = ?$

A) 760 　　　　　 B) 800 　　　　　 C) 690 　　　　　 D) 870 　　　　　 E) 780

Q9. 6999 ÷ 70.005 x 94.998 = ? x 19.999

A) 475 　　　　　 B) 420 　　　　　 C) 320 　　　　　 D) 540 　　　　　 E) 525

Q10. $(49.99)^2 - (8.9)^2 - (15.9)^2 = ?$

A) 2165 　　　　　 B) 2000 　　　　　 C) 1965 　　　　　 D) 1920 　　　　　 E) 1885

Directions (11 - 15) What approximate value should come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value.)

Q11. 98.995 ÷ 2.991 ÷ 3.001 =?

A) 7   B) 16   C) 11   D) 99   E) 28

Q12. $(42.8)^2$ = ?

A) 2160   B) 1830   C) 1560   D) 1300   E) 2050

Q13. $\sqrt{2005}$ =?

A) 52   B) 50   C) 38   D) 45   E) 42

Q14. 24.001 x ? = 431.995

A) 14   B) 12   C) 26   D) 21   E) 18

Q15. 11.995 + 30.908 — 17.006 = ?

A) 39   B) 30   C) 34   D) 26   E) 21

Directions (16 - 20) : In the following questions two equations numbered I and II are given. You have to solve both the equations and **Give answer If**

a. x > y

b. x > y

c. x < y

d. x < y

e. x = y or the relationship cannot be established

Q16.

I. $\sqrt{1225}\ x + \sqrt{4900} = 0$

II. $(81)^{\frac{1}{4}} y + (343)^{\frac{1}{3}} = 0$

Q17.

I. $\frac{18}{x^2} + \frac{6}{x} - \frac{12}{x^2} = \frac{8}{x^2}$

II. $y^2 + 9.68 + 5.64 = 16.95$

Q18.

I. $\frac{(2)^5 + (11)^3}{6} = (x)^3$

II. $4y^3 = -(589 \div 4) + 5y^3$

Directions (16 - 20) : In the following questions two equations numbered I and II are given. You have to solve both the equations and **Give answer If**

a.   x > y

b.   x > y

c.   x < y

d.   x < y

e.   x = y or the relationship cannot be established

Q19.

I. $12x^2 + 11x + 12 = 10x^2 + 22x$

II. $13y^2 - 18y + 3 = 9y^2 - 10y$

Q20.

I. $(x^{\frac{7}{5}} \div 9) = 169 \div x^{\frac{3}{5}}$

II. $y^{\frac{1}{4}} \times y^{\frac{1}{4}} \times 7 = 273 \div y^{\frac{1}{2}}$

Q21. The respective ratio between the present ages of Ram, Rohan and Raj is 3 : 4 : 5. If the average of their present ages is 28 years then what would be the sum of the ages of Ram and Rohan together after 5 years?

A) 45 years   B) 55 years   C) 52 years   D) 59 years   E) None

Q22. Raman scored 456 marks in an exam and Sita got 54 percent marks in the same exam which is 24 marks less than Raman. If the minimum passing marks in the exam is 34 percent, then how much more marks did Raman score than the minimum passing marks?

A) 184   B) 196   C) 190   D) 180   E) None

Q23. The simple interest accrued on a sum of certain principal is R 7,200 in six years at the rate of 12 p.c.p.a. What would be the compound interest accrued on that principal at the rate of 5 p.c.p.a. in 2 years?

A) R 1,020   B) R 1,055   C) R 1,050   D) R 1,025   E) None

Q24. Sum of square of first number and cube of second number together is 568. Also square of the second number is 15 less than square of 8. What is the value of three-fifth of the first number? (assuming both the numbers are positive)

A) 18   B) 8   C) 9   D) 16   E) None

Q25. The sum of 8 consecutive odd numbers is 656. Also average of four consecutive even numbers is 87. What is the sum of the smallest odd number and second largest even number?

A) 165 B) 175 C) 163 D) Cannot be determined E) None

Q26. Kamya purchased an item of R 46,000 and sold it at a loss of 12 percent. With that amount she purchased another item and sold it at a gain of 12 percent. What was her overall gain/loss?

A) Loss of R 662.40 B) Profit of R 662.40 C) Loss of R 642.80

D) Profit of R 642.80 E) None

Q27. The sum of six consecutive even numbers of set-A is 402. What is the sum of another set-B of four consecutive numbers whose lowest number is 15 less than double the lowest number of set-A ?

A) 444 B) 442 C) 440 D) 446 E) None

Q28. A 280 metre long train moving with an average speed of 108 km/hr crosses a platform in 12 seconds. A man crosses the same platform in 10 seconds. What is the speed of the man in metre/ second ?

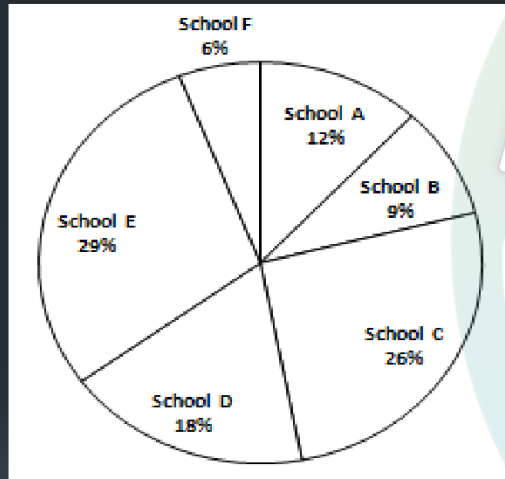A) 5 m/s B) 8 m/s C) 12 m/s D) 1Cannot be determined E) None

Directions (29 - 33) : Study the following pie-chart and bar chart and answer the following questions.

Percentagewise Distribution of students in six different Schools

Total number of Students = 6000 Percentage of students

Number of boys out of 6000 students in each school separately

School F 6%

School A 12%

School B 9%

School E 29%

School C 26%

School D 18%

Q29. What is the total number of girls in School-C, number of girls in School-E and the number of boys in School-D together ?

A) 1700   B) 1900   C) 1600   D) 1800   E) None
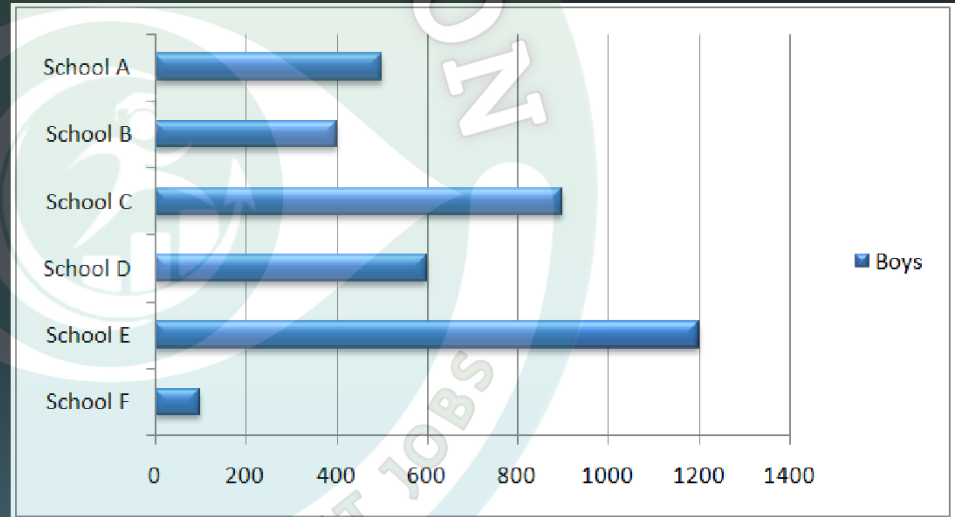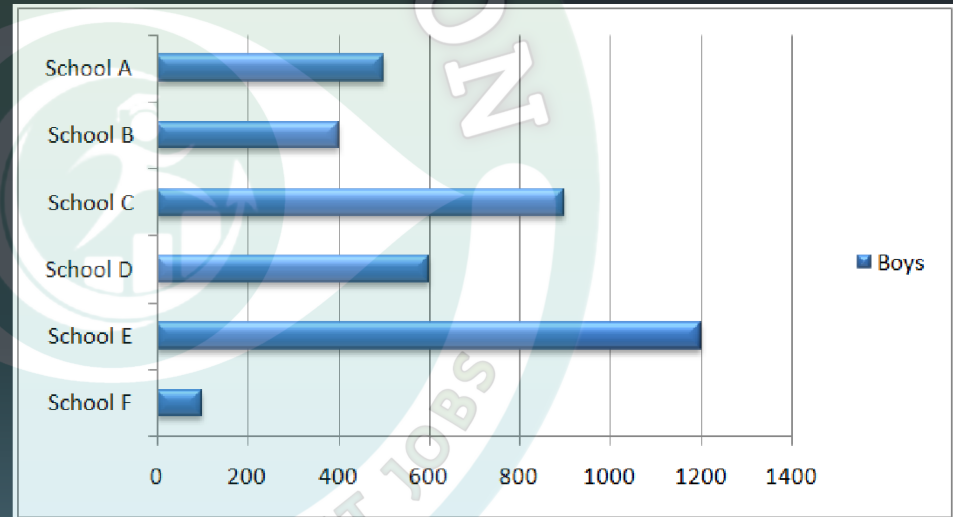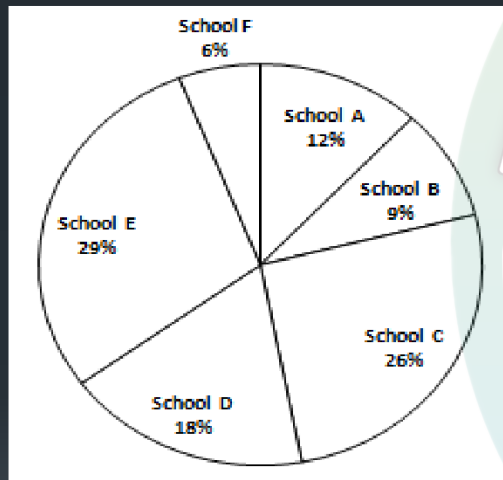
Directions (29 - 33) : Study the following pie-chart and bar chart and answer the following questions.

Percentagewise Distribution of students in six different Schools

Total number of Students = 6000 Percentage of students

Number of boys out of 6000 students in each school separately

Q30. What is the respective ratio between the number of boys in School-C, number of girls in School-B and total number of students in School-E ?

A) 45 : 7 : 97   B) 43 : 9 : 97   C) 45 : 7 : 87   D) 43 : 9 : 87   E) None

Directions (29 - 33) : Study the following pie-chart and bar chart and answer the following questions.

Percentagewise Distribution of students in six different Schools

Total number of Students = 6000 Percentage of students

Number of boys out of 6000 students in each school separately
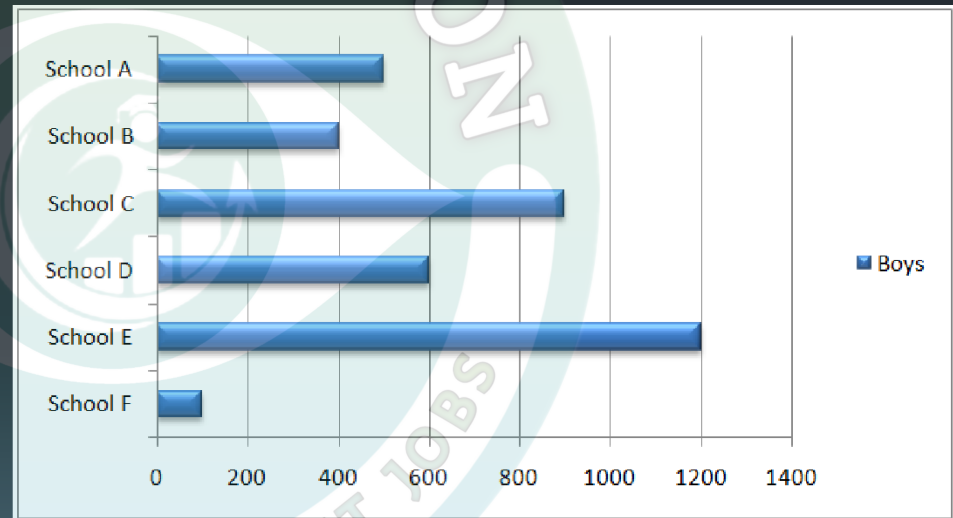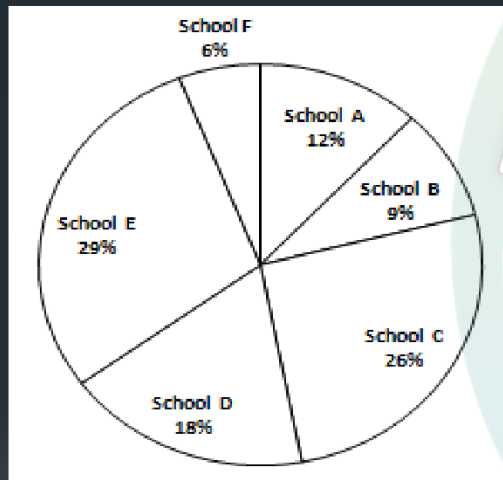
Q31. What is the difference between the total number of students in School-F and the number of boys in School-E?

A) 1700   B) 1900   C) 1600   D) 1800   E) None

Directions (29 - 33) : Study the following pie-chart and bar chart and answer the following questions.

Percentagewise Distribution of students in six different Schools

Total number of Students = 6000 Percentage of students

Number of boys out of 6000 students in each school separately
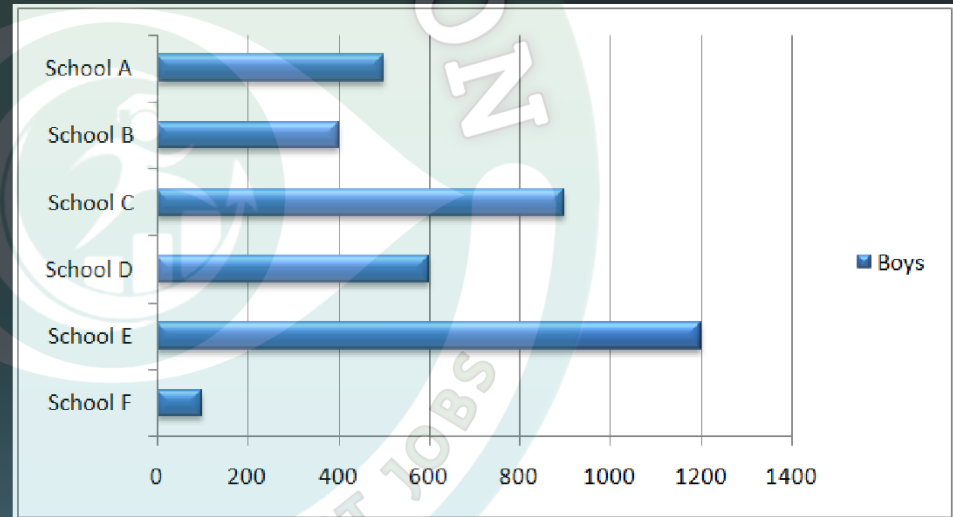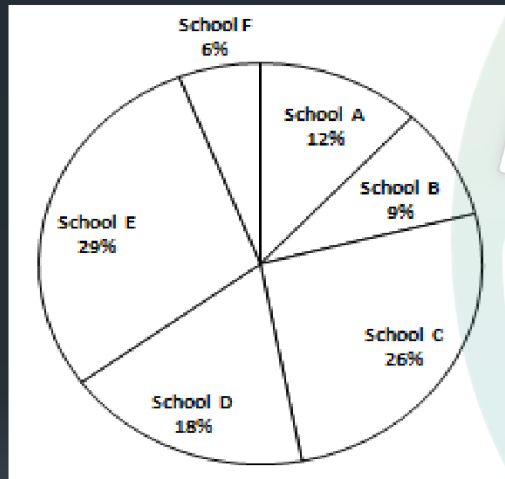
Q32. In which school the total number of students (both boys and girls) together are equal to the number of girls in School-E?

A) A   B) B   C) C   D) D   E) F

Directions (29 - 33) : Study the following pie-chart and bar chart and answer the following questions.

Percentagewise Distribution of students in six different Schools

Total number of Students = 6000 Percentage of students

Number of boys out of 6000 students in each school separately
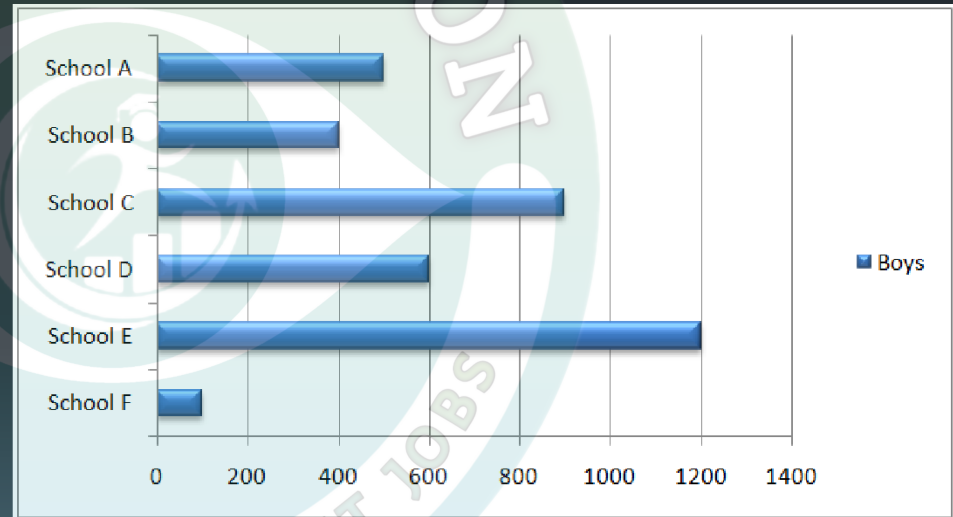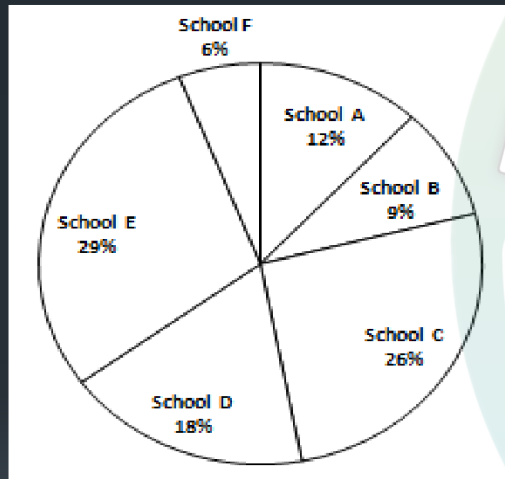
Q33. Number of girls School-A is approximately what percent of total number of students in School-B?

A) 55   B) 50   C) 35   D) 45   E) 41

Q34. **What is the respective ratio between the number of passengers from Madagascar, number of female passengers from South Africa and the total number of passengers from India?**

A) 2 : 5 : 18   B) 3 : 10 : 18   C) 3 : 11 : 18   D) 2 : 18 : 5   E) None

Q35. **Number of male passengers from South Africa is approximately what percentage of the total number of passengers from Britain?**

A) 111   B) 115   C) 120   D) 125   E) 131

Q36. **What is the average number of male passengers from all the four countries?**

A) 111   B) 115   C) 120   D) 125   E) 131

Q37. **What is the difference between the number of male passengers from Madagascar and the number of male passengers from India?**

A) 64   B) 82   C) 74   D) 72   E) 131

Q38. **What is the total number of male passengers from Britain and female passengers from India together?**

A) 340   B) 420   C) 350   D) 460   E) None

Q39. The ratio between the speed of a bus and train is 15 : 27 respectively. Also, a car covered a distance of 720 km. in 9 hours. The speed of the bus is three-fourth of the speed of the car. How much distance will the train cover in 7 hours?

A) 760 km.   B) 756 km.   C) 740 km.   D) Cannot be determined   E) None

Q40. What is the value of twenty four percent of four-ninth of five times square of twenty seven

A) 388.8   B) 376.8   C) 378.6   D) 346.6   E) None

Directions (1- 4) in each of the question below are given four statements followed by four Conclusions I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q1. Statements

All drums are tubes.

Some tubes are pipes.

No pipe is stick.

Some sticks are rubbers.

Conclusions

I.   All rubbers are tubes.

II.   Some sticks being drums is a possibility.

III. At least some pipes are drums.

IV. Some sticks are definitely tubes.

A) None follows   B) Only I follows   C) I and II follow

D) Only II follows   E) Only III follows

Directions (1- 4) in each of the question below are given four statements followed by four Conclusions I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q2. Statements
Some pens are rooms.
All rooms are walls.
Some walls are bricks.
All bricks are slates.

Conclusions
I.   At least some slates are walls.
II.   All walls are pens.
III.   Some bricks being rooms is a possibility.
IV.   Some slates are not rooms.

A) I and III follow   B) II and III follow   C) I and II follow

D) III and IV follow   E) None of these

Directions (1- 4) in each of the question below are given four statements followed by four Conclusions I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q3. Statements

Some chairs are pencils.
Some pencils are bottles.
Some bottles are bags.
Some bags are books.

Conclusions

I.   Atleast some books are pencils.
II. Some bottles are definitely chairs.
III. No book is pencil.
IV. All bags being chairs is a possibility.

A) Only I follows   B) either I or III and IV follow   C) Only III follows

D) Only IV follows   E) None of these

Directions (1- 4) in each of the question below are given four statements followed by four Conclusions I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q4. Statements
Some roads are buses.
All buses are trains.
Some trains are trucks.
All trucks are kites.

Conclusions
I. Some trucks are not roads.
II. All kites are buses.
III. Atleast some trains are roads.
IV. All kites being trains is a possibility.

A) None follows   B) Only I follows   C) Only II follows

D) III and IV follow   E) None of these

Directions (05 - 07) Following are the criteria laid down for the selection of jr. Executives in an Organization.

The candidate must

I.   have scored atleast 70% marks in SSC examination.

II. have obtained graduation degree in any discipline with atleast 65% marks and first class.

III. have cleared the selection test with atleast 55% marks.

IV. have cleared the interview with atleast 50% marks. .

V.   be not less than 21 yr of age and not more than 28 yr of age as on 1.9.2014.

VI. have completed atleast a certificate/diploma course in computers. However, if a candidate satisfies all the above mentioned criteria except

(a) at (ii) above, but has completed post-graduation in any discipline; the case may be referred to the Vice-President of the company.

(b) at (iii) above, but has secured at least 50% marks in selection test and at least 60% marks in interview, the case may be referred to the General Manager (Recruitment) of the company.

In each of the questions below, information of one candidate is given. You have to take one of the following five decisions based on the information provided and the criteria and conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.09.2014. You have to indicate your decision by marking answers to each question as follows.

Give Answer

a) If the candidate is to be selected

b) If the candidate is not to be selected

c) If the data is inadequate to take a decision

d) If the case is to be referred to the Vice-President of the company

e) If the case is to be referred to the General Manager (Recruitment) of the company

Q5. Shamika is a Science graduate passed in first class with 69% marks. She had passed SSC exam securing 83% marks. She has cleared selection test with 53% marks and interview with 63% marks. Her date of birth is 1.8.1989. She has completed a six months certificate course in Computers.

Directions (05 - 07) Following are the criteria laid down for the selection of jr. Executives in an Organization.

The candidate must

I.   have scored atleast 70% marks in SSC examination.
II. have obtained graduation degree in any discipline with atleast 65% marks and first class.
III. have cleared the selection test with atleast 55% marks.
IV. have cleared the interview with atleast 50% marks. .
V.   be not less than 21 yr of age and not more than 28 yr of age as on 1.9.2014.
VI. have completed atleast a certificate/diploma course in computers. However, if a candidate satisfies all the above mentioned criteria except

(a) at (ii) above, but has completed post-graduation in any discipline; the case may be referred to the Vice-President of the company.

(b) at (iii) above, but has secured at least 50% marks in selection test and at least 60% marks in interview, the case may be referred to the General Manager (Recruitment) of the company.

In each of the questions below, information of one candidate is given. You have to take one of the following five decisions based on the information provided and the criteria and conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.09.2014. You have to indicate your decision by marking answers to each question as follows.

Give Answer

a) If the candidate is to be selected
b) If the candidate is not to be selected
c) If the data is inadequate to take a decision
d) If the case is to be referred to the Vice-President of the company
e) If the case is to be referred to the General Manager (Recruitment) of the company

Q6. Vivek is presently pursuing post-graduation in Economics. He has passed graduation in first class with 72% marks. He had scored 78% marks in SSC. His date of birth is 21.8.1991. He has secured 58% marks in selection test and 62% marks in interview. He has passed a six months diploma course in Computers.

Directions (05 - 07) Following are the criteria laid down for the selection of jr. Executives in an Organization. The candidate must

I.   have scored atleast 70% marks in SSC examination.
II. have obtained graduation degree in any discipline with atleast 65% marks and first class.
III. have cleared the selection test with atleast 55% marks.
IV. have cleared the interview with atleast 50% marks. .
V.   be not less than 21 yr of age and not more than 28 yr of age as on 1.9.2014.
VI. have completed atleast a certificate/diploma course in computers. However, if a candidate satisfies all the above mentioned criteria except

(a) at (ii) above, but has completed post-graduation in any discipline; the case may be referred to the Vice-President of the company.

(b) at (iii) above, but has secured at least 50% marks in selection test and at least 60% marks in interview, the case may be referred to the General Manager (Recruitment) of the company.

In each of the questions below, information of one candidate is given. You have to take one of the following five decisions based on the information provided and the criteria and conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.09.2014. You have to indicate your decision by marking answers to each question as follows.

Give Answer
a) If the candidate is to be selected
b) If the candidate is not to be selected
c) If the data is inadequate to take a decision
d) If the case is to be referred to the Vice-President of the company
e) If the case is to be referred to the General Manager (Recruitment) of the company

Q7. Abhijit is a graduate with 60% marks and a post-graduate with 65% marks. He has completed one year diploma course in Computers. He had scored 85% marks in SSC. He has cleared the selection test and interview with 58% and 56% marks respectively. His date of birth is 17.5.1992.

Directions (8 - 10) each of the question below consists of a question and two Statements I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give Answer

a) If the data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question

b) If the data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question

c) If the data in Statement I alone or in Statement II alone is sufficient to answer the question

d) If the data in both the Statements I and II are not sufficient to answer the question

e) If the data in both the Statements I and II together are necessary to answer the question

Q8. Who among five boys Abhishek, Rajesh, Karan, Nitin and Vikas each having different height is second to the tallest among them?

I.   Only Rajesh is taller than Karan.

II.   Nitin and Vikas are shorter than Abhishek.

Directions (8 - 10) each of the question below consists of a question and two Statements I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and **Give Answer**

a) If the data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question

b) If the data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question

c) If the data in Statement I alone or in Statement II alone is sufficient to answer the question

d) If the data in both the Statements I and II are not sufficient to answer the question

e) If the data in both the Statements I and II together are necessary to answer the question

Q9. How many sons does Anita have?

I. Anita is mother of X who is brother of Y.

II. Anita's daughter Nikita has only two brothers.

Directions (8 - 10) each of the question below consists of a question and two Statements I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give Answer

a) If the data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question

b) If the data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question

c) If the data in Statement I alone or in Statement II alone is sufficient to answer the question

d) If the data in both the Statements I and II are not sufficient to answer the question

e) If the data in both the Statements I and II together are necessary to answer the question

Q10. What is the code for 'where' in the code language?

I.   In the code language 'where is she' is written as `ka ma te' and 'she is good' is written as `te ka ro'.

II.   In the code language 'where are you going' is written as 'la ma pa je' and 'where is the girl' is written as `cha fa ma te'.

Directions (8 - 10) each of the question below consists of a question and two Statements I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give Answer
a) If the data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question
b) If the data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question
c) If the data in Statement I alone or in Statement II alone is sufficient to answer the question
d) If the data in both the Statements I and II are not sufficient to answer the question
e) If the data in both the Statements I and II together are necessary to answer the question

Q10. What is the code for 'where' in the code language?
I.   In the code language 'where is she' is written as `ka ma te' and 'she is good' is written as `te ka ro'.
II.   In the code language 'where are you going' is written as 'la ma pa je' and 'where is the girl' is written as `cha fa ma te'.

Directions (11 - 14) In the following questions, the symbols $, % @, 0 and * are used with the following meaning as illustrated below.

I.   'P % Q' means 'P is not smaller than Q'.
II.   'P $ Q' means 'P is not greater than Q'.
III.   'P * Q' means 'P is neither greater than nor equal to Q'.
IV.   'P © Q' means 'P is neither smaller than nor equal to Q'.
V.   'P @ Q' means 'P is neither greater than nor smaller than Q'.

 Q11. Statements R @ K, K $ F, F * N
Conclusions
I.   N © R
II.   F @ R
III.   F © R

A) Only I is true   B) Only either II or III is true   C) Only I and either II or III are true
D) Only III is true   E) None of these

 Q12. Statements J © M, M * K, K % D
Conclusions
I.   J © D
II.   D * M
III.   K © J

A) None is true   B) Only I is true   C) Only II is true   D) Only III is true   E) I and II are true

Directions (11 - 14) In the following questions, the symbols $, % @, 0 and * are used with the following meaning as illustrated below.

I.   'P % Q' means 'P is not smaller than Q'.
II.   'P $ Q' means 'P is not greater than Q'.
III.   'P * Q' means 'P is neither greater than nor equal to Q'.
IV.   'P © Q' means 'P is neither smaller than nor equal to Q'.
V.   'P @ Q' means 'P is neither greater than nor smaller than Q'.

Q13. Statements H * T, T $ B, B © R
Conclusions
I.   R © H
II.   B © H
III.   T * R

A) Only I is true   B) I and II are true   C) I and III are true
D) II and III are true   E) None of these

Q14. Statements R $ D, D @ N, N © F
Conclusions
I.   F * D
II.   F * R
III.   N % R

A) I and II are true   B) I and III are true   C) II and III are true D) All are true   E) None of these

Directions (15- 18) Study the following information carefully and answer the questions given below.

P, Q, R, S, T, V and W are seven student of a school. Each of them studies in different standard from standard IV to standard X not necessarily in the same order. Each of their has favourite subject from English, Science, History, Geography, Mathematics, Hindi and Sanskrit not necessarily in the same order.

Q studies in VII standard and does not like either Mathematics or Geography. R likes English and does not study either in V or in IX. T studies in VIII Standard and likes Hindi. The one who likes Science studies in X standard. S studies in IV Standard. W likes Sanskrit. P does not study in X Standard. The one who likes Geography studies in V Standard.

Q15. In which standard does W study?

A) VII B) IX C) X D) Data inadequate E) None of these

Q16. Which subject does P like?

A) Geography B) Mathematics C) English D) History E) None of these

Q17. Which subject does S like?

A) History B) Geography C) Mathematics D) Data inadequate E) None of these

Q18. In which standard does P study?

A) IV B) VII C) IX D) X E) None of these

Directions (19 - 22) Each of the question given below consists of a statement and or a question and two Statements I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give Answer

a) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question

b) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question

c) If the data either in Statement I or in Statement II alone are sufficient to answer the question

d) If the data even in both Statements I or II together are not sufficient to answer the questions

e) If the data in both Statements I and II together are necessary to answer the question

Q19. In a certain code "al ed nop" means 'We play chess". Which code word means "chess"?

I.   "id nim nop" means "We are honest".

II.   "gob ots al" means "They play cricket".

Q20. Brinda's merit rank is 17th in her class. What is her rank from the last?

I.   There are 70 students in her class.

II.   Nisha who ranks 20th in Brinda's class is 51st from the last.

Directions (19 - 22) Each of the question given below consists of a statement and or a question and two Statements I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give Answer

a) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question

b) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question

c) If the data either in Statement I or in Statement II alone are sufficient to answer the question

d) If the data even in both Statements I or II together are not sufficient to answer the questions

e) If the data in both Statements I and II together are necessary to answer the question

Q21. "You must submit your application within 10 days from the date of release of this advertisement". What is the exact date before which the application must be submitted?

I. The advertisement was released on 18th February.

II. It was a leap year.

Q22. 'B' is the sister of 'A'. How is 'A' related to 'B'?

I. 'A' is the brother of 'C'.

II. 'A' is the uncle of 'D'.

Directions (23 - 26) Study the following information to answer the given questions. In a certain code, 'ze lo ka gi' is a code for 'must save some money', 'fe ka so ni' is a code for 'he made good money', 'ni lo da so' is a code for 'he must be good' and 'we so ze da' is a code for 'be good save grace'. 66.

Q23. Which of the following is the code of 'must'?
A) so   B) da   C) lo   D) ni   E) Cannot be determined

Q24. What does the code 'ze' stand for?
A) some   B) must   C) be   D) grace   E) save

Q25. Which of the following is the code of 'good'?
A) so   B) we   C) ze   D) lo   E) fe

Q26. 'grace of money' may be coded as
A) ka da fe   B) we ka so   C) ja da we   D) ka we yo   E) ja ka ze

Directions (27 - 30) Answer the following questions based on the information given below.

Ajay would do five tasks: A, B, C, D and E; starting at 9 am in the morning. A is the first task and takes two hours. B can be done after A is complete and requires 1 h. Work on C which would take 1 h can start only after A and B are complete. Ajay can do task D along with B and C and would take 3 h for that. Activity E with duration of 1 h can start on completion of A, B, C and D.

Q27. What is the earliest time when Ajay would complete C?

A) 11 am   B) 12 noon   C) 1 pm   D) 2 pm   E) 3 pm

Q28. If Ajay takes 2 h for B and completes other preceding tasks without delay, when can E start?

A) 12 noon   B) 3 pm   C) 2 pm   D) 1 pm   E) 4 pm

Directions (29 - 32) Study the following information carefully and answer the questions given below

A, B, C, D, E, F, G, H and I are sitting around a circle facing at the centre. D is third to the left of H who is second to the left of B, A is fourth to the left of E who is second to the right of D. C is third to the right of H. I is not an immediate neighbour of D. G is not an immediate neighbour of E.

Q29. Who is fourth to the left of F?

A) E   B) C   C) A   D) Data inadequate   E) None of these

Q30. Who is second to the right of G?

A) F   B) E   C) C   D) Data inadequate   E) None of these

Q31. What is C's position with respect to E?

I.   Fifth to the right

II.   Fifth to the left

III.   Fourth to the right

IV. Fourth to the left

A) Only I   B) Only IV   C) I and II   D) I and IV   E) None of these

Q32. Who is fourth to be left of G?

A) B   B) H   C) I   D) E   E) None of these

Directions (29 - 32) Study the following information carefully and answer the questions given below

A, B, C, D, E, F, G, H and I are sitting around a circle facing at the centre. D is third to the left of H who is second to the left of B, A is fourth to the left of E who is second to the right of D. C is third to the right of H. I is not an immediate neighbour of D. G is not an immediate neighbour of E.

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A) Only I B) Only IV   C) I and II   D) I and IV   E) None of these

Q32. Who is fourth to be left of G?

A) B   B) H   C) I   D) E   E) None of these

Directions (33 - 35) In each question below is given a statement followed by two Assumptions/Inferences I and II. An assumption is something supposed or taken for granted and an inference is something which can be direct, inferred from the given facts. You have to consider the statement and the following assumptions/inferences and decide which of those is/are implicit in the statement Give Answer

a)   Only I is implicit
b)   Only II is implicit
c)   Either I or II is implicit
d)   Neither I nor II is implicit
e)   Both I and II are implicit

Q33.   Statement: Please use public transport to avoid traffic congestion during the Trade Fair.
I.   Only private, vehicles cause traffic congestion.
II.   Many people possess private vehicles.

Q34.   Statement: For better health have fruits instead of vitamin supplementing tablets.
I.   Vitamins are essential for good health.
II.   Vitamin supplementing tablets do not help at all in attaining good health.

Q35.   Statement: As the day for result declaration for board exams closes by, the students awaiting their result start feeling the heat.
I.   Anxiety levels are more during board exams than any other exam.
II.   Some students are more anxious than other students.

Directions (36 - 38) These questions are based on the following information.

'P x Q' means 'P is brother of Q'.

'P Q' means 'Q is mother of P'.

'P — Q' means 'P is father of Q'.

'P + Q' means 'Q is sister of P'.

Q36. Which of the following means M is the daughter of T?

A) M+ N ÷ J - T   B) T—J x R + M   C) M - J x T ÷ K   D) M + W x R ÷ T   E) None

Q37. How is K related to R in the expression R ÷ T + K?

A) Daughter   B) Sister   C) Niece D) Cannot be determined   E) None

Q38. Which of the following means D is the grandfather of W?

A) D - K x T - W   B) D ÷ K x T ÷ W C) D - K x T ÷ W   D) K x T- W E) None of these

Directions (39 - 40) Study the following information to answer the given questions. In a five letter English word (which may or may not be a meaningful English word), there are two letters between L and P. S is not placed immediately next to L. There is only one letter between S and A. S is towards the right of A. S is not placed immediately next to E.

Q39. Which of the following is correct with respect to the word thus, formed?
a) E is at one of the extreme ends of the word
b) P is not placed immediately next to A
c) There are two letters between A and E in the word thus formed
d) P is placed second to the right of E
e) None of the above

Q40. Which of the following words will be formed based on the given conditions?
A) SPAEL   B) PEALS   C) LEAPS   D) SEPAL   E) LAPSE