

Reasoning Ability

Directions (Q. 1-5) Study the following information and answer the given questions.

Eight chemicals A, B, C, D, E, F, G and H, contained in eight different bottles, are placed around a circular table in such a manner that the tap fixed to each bottle is directed outward from the center of the table. Each chemical is of a different color, viz. Blue, Yellow, Orange, White, Green, Violet, Brown and Black, but not necessarily in the same order.

- i) Chemical B is placed third to the right of Chemical D.
- ii) The Yellow chemical is placed on the immediate left of chemical B.
- iii) The color of chemical B is not white.
- iv) Chemical F is placed fourth to the left of chemical A.
- v) Neither chemical F nor chemical A is an immediate neighbor of chemical B.
- vi) The color of chemical C is violet and is placed third to the left of the Yellow chemical.
- vii) The Green chemical is placed second to the right of the violet chemical.
- viii) The Brown chemical is placed second to the right of chemical B.
- ix) H is the Orange chemical and is placed exactly between chemical C and chemical A.
- x) The Blue chemical is placed second to the left of the Orange chemical.
- xi) Chemical G is placed third to the right of chemical C.

- 1. Which of the following chemicals is of White color?
a) D b) E c) G
d) F e) None of these

- 2. What is H's position with respect to F?
a) Third to the left
b) Second to the left
c) Third to the right
d) Second to the right
e) Fourth to the left

- 3. How many chemical bottles are placed between chemical A and G (counted from G clockwise)?
a) One b) Two c) Three
d) Four e) None of these

- 4. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?
a) Violet-Brown b) Black-Green c) Orange-White
d) Yellow-Blue e) Green-Yellow

- 5. What is the color of chemical B?
a) Blue b) Black c) Yellow
d) Can't say e) None of these

Directions (Q. 6-8) Study the information given below carefully to answer the following questions.

In a certain code language the following lines written as 'lop eopaop fop' means 'Traders are above laws'

'fop cop bop gop' means 'Developers were above profitable'

'aop bop uopqop' means 'Developers stopped following traders'

'copjopeopuop' means 'Following maps were laws'

6. 'Developers are following laws' would be correctly written as

- a) 'bop cop uopeop'
- b) 'lop bop eopuop'
- c) 'oup cop lop aop'
- d) 'gop cop uopqop'
- e) None of these

7. 'qopgop cop eop' would correctly mean

- a) profitable laws were stopped
- b) developers stopped following laws
- c) traders were above profitable
- d) were laws profitable traders
- e) None of these

8. 'aopqop bop' would correctly mean

- a) following were above
- b) traders stopped developers
- c) developers are laws
- d) traders above stopped
- e) laws are stopped

Directions (Q. 9-12) Read the following passage carefully and answer the question given below it.

Six friends Abhishek, Deepak, Mridul, Pritam, Ranjan and Salil married within a year in the months of February, April, July, September, November and December and in the cities of Ahmedabad, Bengaluru, Chennai, Delhi, Mumbai and Kolkata but not necessarily following the above order. The brides names were Geetika, Jasmine, Hema, Brinda, Ipsita and veena, once again not following any order. The following are some facts about their weddings.

- (i) Mridul's wedding took place in Chennai, however he was not married to Geetika or Veena
- (ii) Abhishek's wedding took place in Ahmedabad and ranjan's in Delhi; however neither of them was married to Jasmine or Brinda
- (iii) The wedding in Kolkata took place in February
- (iv) Hema's wedding took place in April, but not in Ahmedabad
- (v) Geetika and Ipsita got married in February and November and in Chennai and Kolkata but not following the above order
- (vi) Pritam visited Bengaluru and Kolkata only after his marriage in December
- (vii) Salil was married to Jasmine to September

9. Hema's husband is

- a) Abhishek
- b) Deepak
- c) **Ranjan**
- d) Pritam
- e) Mridul

10. Deepak's wedding took place in

- a) Bengaluru
- b) Mumbai
- c) **Kolkata**
- d) Delhi
- e) Chennai

11. In Mumbai, the wedding of one of the friends took place in the month of

- a) April
- b) September
- c) November
- d) **December**
- e) July

12. Salil's wedding was held in

- a) **Bengaluru**
- b) Chennai
- c) Kolkata
- d) Delhi
- e) Mumbai

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Directions (Q. 13-17) Read the following information carefully to answer the given questions.

There are five married couples in a family and there is a child to every couple. Ages of children are 3, 4, 5, 6 and 9 years. Name of males are M, N, O, P and Q. Name of children are A, B, C, D and E. Name of females are V, W, X, Y and Z. Name of M's child is not C and E and he is not eldest or youngest. Age of X's child is 6 years and her husband is one among N, O and Q. Age of D is 3 years but she is not a child of O. A's age is multiple of 3 but she is not a child of M and V. W's husband is O or Q. Age of Z's child is 5 years but the name of child is not B or E. V is wife of O.

13. What is the age of B.
a) **4** b) 6 c) 5
d) 9 e) None of these
14. What is the name of M's wife?
a) W b) X c) **Y**
d) Z e) None of these
15. Name of Mother, farther and age of E?
a) X, N and 6
b) **V, O and 9**
c) X, O and 6
d) V, N and 9
e) Can't be determined
16. What is the name and the age of P's child?
a) B and 6
b) E and 9
c) C and 4
d) **C and 5**
e) None of these
17. What are the names of Q's wife and his child?
a) **W and D**
b) X and A
c) W and C
d) X and D
e) None of these

Directions (Q. 18-23) Study the following information carefully and answer the following questions.

An organization decided to distribute seven types of laptops on week days starting from Monday to Sunday. The seven laptops to be distributed are of Sony, Acer, Asus, Lenovo, Dell, HP and HCL but not necessarily in the same order. Dell laptops are to be given on Saturday. Lenovo laptops are given just after Asus laptops and Asus laptops are not given on Wednesday. HP laptops are given two days after the distribution of Asus laptop. Acer laptops are distributed just after Sony laptop. HCL laptops are distributed before Acer laptops. HP laptops are distributed after Dell laptops.

18. On which day of the week Lenovo laptops are distributed?
a) Tuesday b) Wednesday c) **Friday**
d) Sunday e) None of these
19. Which laptops are distributed just between the days when Lenovo and HP are distributed?
a) Asus b) **Dell** c) Sony
d) HCL e) None of these
20. Which laptops are distributed on Wednesday?

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- a) Acer b) Lenovo c) HCL
d) HP e) None of these
21. On which day of the week Asus are distributed?
a) Monday b) Sunday c) Tuesday
d) Wednesday e) **None of these**
22. If HCL is related with Tuesday, Sony is related with Wednesday, similarly Lenovo is related with which day?
a) Thursday b) Friday c) **Saturday**
d) Sunday e) None of these
23. Which laptops are distributed in the middle of the week?
a) Acer b) **Asus** c) Lenovo
d) HCL e) None of these

Directions (Q. 24-26) Read the following information carefully and answer the questions which follow.

If 'A × B' means 'A is father of B'.
If 'A + B' means 'A is wife of B'.
If 'A ÷ B' means 'A is daughter of B'.
If 'A B' means 'A is son of B'.

24. How is L related to Q in the expression 'L ÷ M × O P ÷ Q'?
a) **Granddaughter** b) Niece c) Daughter-in-law
d) Daughter e) Cannot be determined
25. What will come in the place of the question mark, to establish that Q is the nephew of T in the expression 'Q ? R ÷ S × T'?
a) + b) × c)
d) ÷ e) Either or ÷
26. Which of the following relations are true based upon the relations given in the equation : 'A B × C + D E' ?
a) C is mother of A
b) E is wife of B
c) D is brother of A
d) E is mother-in-law of C
e) **None is true**

Directions (Q. 27-30): These questions are based on the following arrangement. Study it carefully and answer the questions.

T * Q L 3 % A 5 7 J H 1 4 @ W E K 1 U 8 B ^ N 2 9 # 6 F

27. What will come in place of the question mark in the following series based on the above arrangement?
TQ3 A7H 4WK ?
a) 1 8 ^ b) U B ^ c) U B N
d) 1 8 N e) None of these

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28. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and also immediately followed by a consonant?
- a) None b) **One** c) Two
d) Three e) More than three
29. If all the symbols are removed from the above arrangement which element will be seventh from the left end?
- a) 5 b) J c) A
d) H e) **None of these**
30. Which element is third to the right of eleventh element from the right end?
- a) **B** b) ^ c) 8
d) 2 e) None of these

Directions (Q. 31-34) In each of the questions below are given three statements followed by three conclusions numbered I, II and III. 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.

31. Statements: Some books are trees.
 All trees are roads.
 All roads are wheels.

Conclusions: I. Some wheels are books.
 II. Some roads are books.
 III. Some wheels are trees.

- a) Only I and II follow
b) Only II and III follow
c) Only I and III follow
d) **All I, II, III follow**
e) None of the above

32. Statements: All stones are rivers.
 All rivers are cars.
 Some cars are trains.

Conclusions: I. Some trains are stones
 II. Some cars are stones.
 III. Some trains are rivers.

- a) None follows
b) Only I follows
c) **Only II follows**
d) Only III follows
e) Only II and III follow

33. Statements: All desks are rooms.
 Some rooms are halls.
 All halls are leaves.

Conclusions: I. Some leaves are desks.
 II. Some halls are desks.
 III. Some leaves are rooms.

- a) None follows

- b) Only I follows
- c) Only II follows
- d) **Only III follows**
- e) Only II and III follow

34. Statements: Some bags are plates.
 Some plates are chairs.
 All chairs are tables.

Conclusions: I. Some tables are plates.
 II. Some chairs are bags.
 III. No chair is bag.

- a) Only I follows
- b) Only II follows
- c) Only III follows
- d) Only II and III follow
- e) **None of these**

Directions (Q. 35-40) In the following questions, the symbols \$, %, @, © and * are used with the following meaning as illustrated below.

‘P % Q’ means ‘P is not smaller than Q’.
 ‘P \$ Q’ means ‘P is not greater than Q’.
 ‘P * Q’ means ‘P is neither greater than nor equal to Q’.
 ‘P © Q’ means ‘P is neither smaller than nor equal to Q’.
 ‘P @ Q’ means ‘P is neither greater than nor smaller than Q’.

35. 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 the above

36. 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) Only I and II are true

37. Statements: H * T, T \$ B, B © R
 Conclusions: I. R © H
 II. B © H
 III. T * R

- a) Only I is true
- b) Only I and II are true
- c) Only I and III are true
- d) Only II and III are true

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e) None of the above

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

- a) Only I and II are true
b) **Only I and III are true**
c) Only II and III are true
d) All are true
e) None of the above

39. Statements: F \$ B, B @ H, H % K
Conclusions: I. B % F
II. K @ F
III. K \$ B

- a) **Only I is true**
b) Only II is true
c) Only III is true
d) Only I and III are true
e) None of these

40. Statements: M % D, D * K, K \$ N
Conclusions: I. K © M
II. N © D
III. M © N

- a) Only I is true
b) **Only II is true**
c) Only III is true
d) Only I and II are true
e) None of these

Numerical Ability

41. Sekar started a business investing Rs.25,000 in 1999. In 2000, he invested an additional amount of Rs.10, 000 and Rajeev joined him with an amount of Rs.35,000. In 2001, Sekar invested another additional amount of Rs.10,000 and Jatin joined them with an amount of Rs.35,000. What will be Rajeev's share in the profit of Rs.1,50,000 earned at the end of 3 years from the start of the business in 1999?
a) Rs.45,000 b) Rs.50,000 c) Rs.70,000
d) Rs.75,000 e) None of these

42. A number plate of a vehicle has always a fixed code UP-32 for Lucknow city followed by the number of particular vehicle which is in two parts. First part is occupied by 2 English alphabets and second part is occupied by 4 digit numbers (0001, 0002, 9999). If the latest registration number of vehicle [UP-32-SK-0123] find the number of vehicles registered before this vehicle number in Lucknow.
a) 2449744 b) 4779644 c) 4669235
d) 9235888222 e) None of these

43. Pooja, Shipra and Monika are three sisters. Pooja and Shipra are twins. The ratio of sum of the ages of Pooja and Shipra is same as that of Monika alone. Three years earlier the ratio of age of Pooja and Monika was 2 : 7. What will be the age of Shipra 3 years hence?

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- a) 21 years b) 16 years c) 8 years
d) 12 years e) None of these

44. Titan sells a wrist watch to a wholesaler making a profit of 10%. The wholesaler, in turn, sells it to the retailer making a profit of 10%. A customer purchases it by paying Rs.990. Thus, the profit of retailer is $2\frac{3}{11}\%$. What is the cost incurred by the Titan to produce it?

- a) 768 b) 750 c) 800
d) 820 e) None of these

45. If a_1, a_2, a_3, \dots Is an A.P. such that
 $a_1 + a_5 + a_{10} + a_{15} + a_{20} + a_{24} = 225$

Then $a_1 + a_2 + a_3 + \dots + a_{23} + a_{24}$ is equal to :

- a) 999 b) 900 c) 1225
d) Data inadequate e) None of these

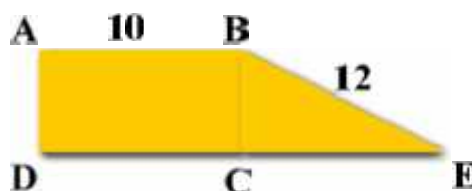
46. Vinay and Versha run a race with their speeds in the ratio of 5 : 3. They prefer to run on a circular track of circumference 1.5 km. What is the distance covered by Vinay when he passes Versha for the seventh time?

47. Karan can do a work in 10 days while Sohan can do the same work in 20 days. They started work together. After 3 days Karan left the work and Sohan completed it. For how many days Sohan worked alone more than the number of days required when both worked together?

- a) $4\frac{1}{3}$ b) $3\frac{1}{4}$ c) $2\frac{3}{5}$
d) $3\frac{2}{3}$ e) None of these

48. In the figure below, ABCD is a rectangle whose perimeter is 30. The length of BE is 12. Find to the nearest degree, the measure of angle E?

- a) 25 b) 32 c) 38
d) 41 e) None of these



49. If a boat goes 7 km upstream in 42 minutes and the speed of the stream is 3 kmph, then the speed of the boat in still water is :

- a) 4.2 km/hr b) 9 km/hr c) 13 km/hr
d) 21 km/hr e) None of these

(50 – 54) Study the following table carefully and answer the questions that follow.

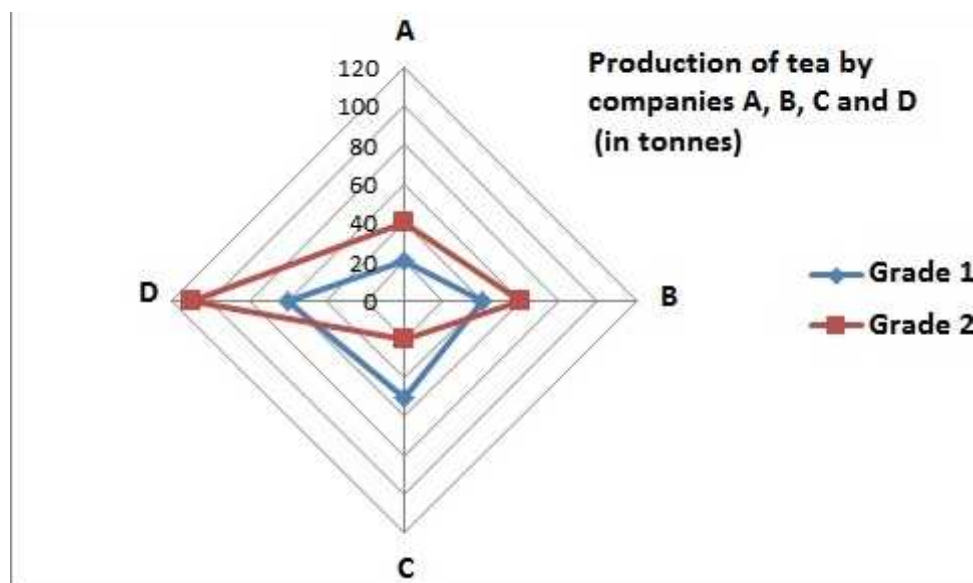
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The table represents the total number of students studying courses, P, Q, R, S and T across eight institutes i.e., A, B, C, D, E, F, G and H.

Courses	Institutes							
	A	B	C	D	E	F	G	H
P	520	410	550	450	570	210	750	450
Q	410	540	610	580	380	550	570	310
R	430	210	590	530	730	510	530	480
S	350	280	570	320	410	480	610	460
T	370	480	380	250	180	370	590	660

50. What is the respective ratio between the total number of students studying in institute A and the total number of students studying in institute H?
- a) 52 : 59 b) 52 : 55 c) 55 : 59
d) 59 : 61 e) None of these
51. The number of students studying course Q in institute B forms what percent of the total number of students in institute C?
- a) 14 b) 17 c) 11
d) 8 e) 20
52. What is the total number of students who are studying course T across all institutes?
- a) 3480 b) 3280 c) 3420
d) 3840 e) None of these
53. The number of students studying course P in institute A forms what percent of the total number of students in institute A?
- a) 27 b) 23 c) 25
d) 20 e) 29
54. What is the average number of students studying in institute D?
- a) 446 b) 426 c) 540
d) 454 e) None of these

(55 - 58) Use the given data to answer the following questions.



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Grade	Rate/Tonne
1	Rs.75,000
2	Rs.60,000

55. What is the difference between the average sales of grade 1 and 2 in all 4 companies?
a) 5 tonnes b) 10 tonnes c) 15 tonnes
d) 20 tonnes e) 25 tonnes
56. What is the difference between the total income of companies C and A?
a) Rs. 1.05 million b) Rs. 10.05 million c) Rs.1005 million
d) Rs. 1.05 crores e) Rs. 10.05 crores
57. What percentage of the net income of company A is constituted by grade 1 tea?
a) 50% b) 33.33% c) 25%
d) 40% e) 38.46%
58. Total production by company D is what percentage of that of company B?
a) 140% b) 150% c) 160%
d) 170% e) 180%
59. On what dates of April 2001 did Wednesday fall?
a) 1st, 2th, 15th, 22nd, 29th b) 2nd, 9th, 16th, 23rd, 30th
c) 3rd, 10th, 17th, 24th d) 4th, 11th, 18th, 25th
e) None of these
60. A watch which gains 5 seconds in 3 minutes was set right at 7 a.m. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is :
a) $59\frac{7}{12}$ min. past 3 b) 4 p.m. c) $58\frac{7}{11}$ min. past 3
d) $2\frac{3}{11}$ min. past 4 e) None of these
61. In what proportion must wheat at price 4.10 per kg must be mixed with wheat at price 4.60 per kg, so that the mixture be worth Rs.4.30 a kg?
a) 3 : 2 b) 2 : 3 c) 3 : 4
d) 4 : 3 e) None of these
62. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled in
a) $1 \times \frac{13}{17}$ hours b) $2 \times \frac{8}{11}$ hours c) $3 \times \frac{9}{17}$ hours
d) $4 \times \frac{1}{2}$ hours e) None of these
63. An amount of Rs.1,00,000 is invested in two types of shares. The first yields an interest of 9% p.a. and the second, 11% p.a. If the total interest at the end of one year is $9\frac{3}{4}$ %, then the amount invested in each share was :
a) Rs.52,500, Rs.47,500 b) Rs.62,500, Rs.37,500
c) Rs.72,500, Rs.27,500 d) Rs.82,500, Rs.17,500
e) None of these
64. Sameer spends 24% of his monthly income on food and 15% on the education of his children. Of the remaining salary, he spends 25% on entertainment and 20% on conveyance. He is now left with Rs.10,736. What is the monthly salary of Sameer?

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- a) Rs.27,600 b) Rs.28,000 c) Rs.31,200
d) Rs.32,000 e) None of these

65. A rectangular lawn 60 m × 40 m has two road each 5 m wide running in the middle of it, one parallel to length and the other parallel to breadth. The cost of graveling the roads at 80 paise per sq. m is :

- a) Rs.380 b) Rs.385 c) Rs.400
d) Data Inadequate e) None of these

66. **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 alone or in statement II alone are sufficient to answer the question
- (D) if the data given in both statements I and II together are not sufficient to answer the question and
- (E) if the data in both statements I and II together are necessary to answer the question

Can Ritesh retire from office X in January 2006, with full pension benefits?

Statements:

- I. Ritesh will complete 30 years of service in office X in April 2000 and desires to retire.
- II. As per office X rules, an employee has to complete minimum 30 years of service and attain age of 60. Ritesh has 3 years to complete age of 60.

Directions : (Q. 67 to 71): In each of the following number series, a wrong number is given, find out that number.

67. 3 9 23 99 479 2881 20159
a) 9 b) 23 c) 99
d) 479 e) 2881

68. 1 3 6 11 20 39 70
a) 3 b) 39 c) 11
d) 20 e) 6

69. 50 51 47 56 42 65 29
a) 51 b) 47 c) 56
d) 42 e) 65

70. 2 13 27 113 561 3369 23581
a) 27 b) 13 c) 113
d) 561 e) 3369

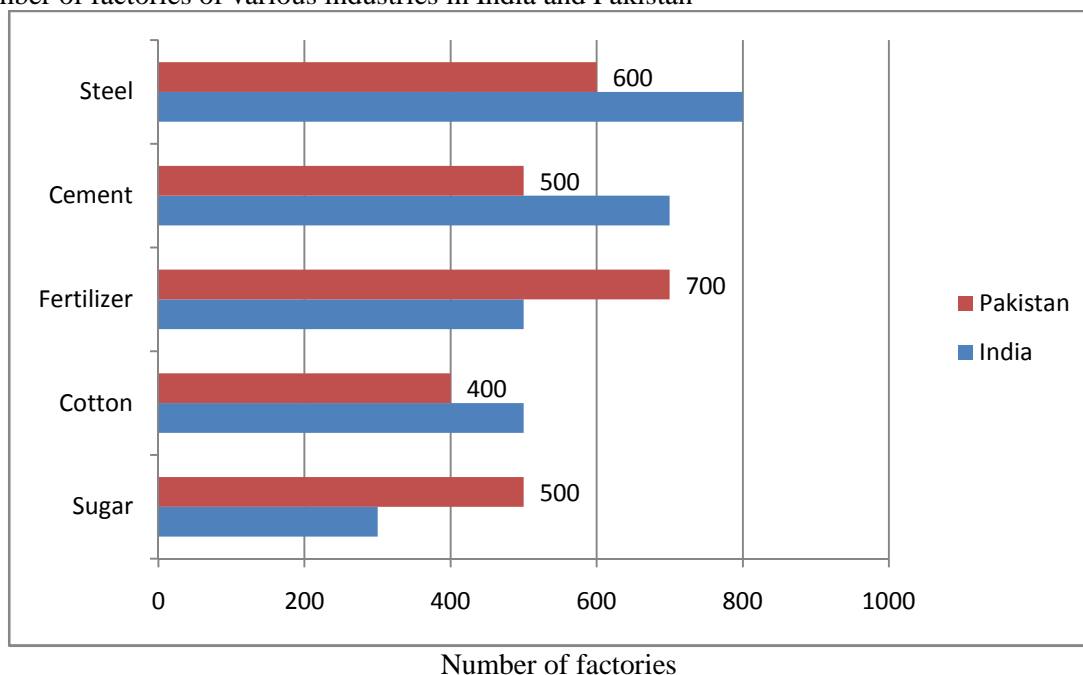
71. 7 4 6 9 20 52.5 160.5
a) 6 b) 4 c) 20
d) 9 e) 52.5

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72. Four years ago, the Father's age was three times the age of his son. The total of the ages of the father and the son after four years, will be 64 years. What is the father's age at present?
a) 32 years b) 36 years c) 44 years
d) 12 years e) None of these
73. A dishonest dealer purchases goods at 20% discount of the cost price of Rs. x and also cheats his wholesaler by getting 20% extra through false weighing, per kg. Then he marks up his goods by 80% of x , but he gives a discount of 25% besides he cheats his customer by weighing 10% less than the required. What is his overall profit percentage?
a) 125% b) 100% c) 98.66%
d) 120% e) None of these
74. A goods train leaves a station at a certain time and at a fixed speed. After 6 hours, an express train leaves the same station and moves in the same direction at a uniform speed of 90 kmph. This train catches up the goods train in 4 hours. Find the speed of the goods train.
a) 60 kmph b) 36 kmph c) 12 kmph
d) 24 kmph e) None of these
75. A can run 1 km in 2 min 20 second and B can run the same distance in 3 min. What is the distance travelled by B in the same time as A travels, when they start simultaneously in the race of 4.5 km/
a) 5 km b) 6 km c) 3.5 km
d) 5.6 km e) None of these

(76-80) Study the bar chart carefully to answer the questions given below:

The number of factories of various industries in India and Pakistan



76. If the ratio of production of Steel in India to that in Pakistan is 5 : 3 and the production of Steel in India is 1000 tonnes, what is the ratio of the productivity (production/no. of factories) of Steel in India to that of Pakistan?
a) 5 : 4 b) 4 : 3 c) 3 : 2
d) 2 : 1 e) 1 : 9
77. What is the difference between the total number of factories in India and that in Pakistan?

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- a) 250 b) 150 c) 50
d) 5 e) 100
78. The number of Cotton factories in Pakistan is what percent of the total number of Cement factories in India?
a) 53.5% b) 59.9% c) 57.14%
d) 50% e) 48.7%
79. If Pakistan and India export 40% and 30% respectively of their production of Fertilizer, then what is the difference between the amounts of Fertilizer they used for themselves? (The production of Pakistan is 50 tonnes per factory and that of India is 60 tonnes per factory)
a) 15 tonnes b) 0 tonne c) 35 tonnes
d) 32 tonnes e) 11 tonnes
80. If the production of Cement in India is 24500 tonnes and that in Pakistan is 14500 tonnes, then what is the difference between their productivity (production/number of factories)?
a) 4.3 tonnes b) 6 tonnes c) 5.714 tonnes
d) 8.2 tonnes e) 7.9 tonnes

Computer Awareness

81. A database is an organized collection of ____:
a) Data Structures
b) Data
c) Information
d) None of These
82. Which of the following is included in the database collection:
a) Schemes, Tables, Queries
b) Queries, Report, Views and other Objects
c) Both of Above
d) None of These
83. DBMS stands for:
a) Data Base Management Software
b) Data Base Management System
c) Diode Base Management System
d) None of These
84. Microsoft Excel is a _____ application:
a) Talbex Sheet
b) Page Sheet
c) Spread Sheet
d) None of These
85. Ms Excel version 5 was launched in:
a) 1992
b) 1993
c) 1995
d) None of These
86. VBA stands for:
a) Visual Basic For Application

- b) Virtual Based For Application
c) Various Basics Application
d) None of These
87. The window version of Excel supports programming through Microsoft's Visual Basic for Applications (VBA), which is a dialect of ____:
- a) Visual Support
b) Visual Basic
c) Visual Format
d) None of These
88. In MS -Excel, option of NEW is available under which of the following menu:
- a) Insert
b) Home
c) File
d) None of These
89. In MS-EXCEL, for Moves the current selected range down a row, you will press:
- a) Shift + Up Arrow Key
b) Shift + Down Arrow Key
c) Ctrl + Down Arrow Key
d) None of These
90. In MS-Excel, which of the following keys helps you to selects all cells below the current selection, up to the edge of the current data region:
- a) Ctrl + Shift + Down Arrow Key
b) Ctrl + Shift + Right Arrow Key
c) Ctrl + Shift + D
d) None of These
91. In MS - Excel, Move to the next worksheet in the workbook can be done through:
- a) Ctrl + Page Down
b) Ctrl + Page Up
c) Ctrl + F3
d) None of These
92. Ctrl + Page up (In Ms - Excel) is used for:
- a) Move to the previous worksheet in the workbook
b) Insert a new worksheet into the current workbook
c) Select the current worksheet and the next worksheet
d) None of These
93. IRTF stands for:
- a) Internet Research Task Force
b) International Research Task Force
c) Input Research Transfer Fidelity
d) None of These
94. IP stands for:
- a) Internet Protocol
b) Input Protocol
c) Internal Processing
d) None of These
95. ARPANET stands for:

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- a) American Research Project Agency Network
- b) Advanced Research Project Agency Network
- c) Admissible Research Project Agency Networking
- d) None of These

96. FDDI stands for:

- a) Fired Distributed Data Interface
- b) Fiber Distributed Data Interface
- c) Forced Distributed Data Interface
- d) None of These

97. ANSI stands for:

- a) American National Standards Institute
- b) Asia National Standards Institute
- c) Australia National Standards Institute
- d) None of These

98. Which of the following characters is correct regarding network topologies:

- a) Network Topologies describe the ways in which the elements of a network are mapped.
- b) Network Topologies describe the physical and logical arrangement of the network nodes.
- c) Both of Above
- d) None of These

99. Which of the following is correct regarding Bus Topology:

- a) All nodes (file server, workstations and peripherals) are connected to the linear cable.
- b) Popular on LANs because that are inexpensive and easy to install
- c) A bus topology consists of a main run of cable with a terminator at each end.
- d) All of Above
- e) None of These

100. Bus consists of a single linear cable called a__:

- a) Head
- b) Tail
- c) Trunk
- d) None of These

101. Data is sent to all computers on the _____:

- a) Addressal
- b) Trunk
- c) Portal
- d) None of These

102. In a ring network, every device has exactly _____ neighbors for communicating purpose:

- a) 2
- b) 4
- c) 6
- d) None of These

103. To implement a ring network we use the _____ technology:

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- a) Stand Ring
b) Flash Ring
c) Token Ring
d) None of These
104. A token or small data packet is _____passed around the network:
a) Intimately
b) Continuously
c) Twicely
d) None of These
105. In a star network each node (file server, workstations and peripherals) is connected to a central device called a _____:
a) Bug
b) Center
c) Hub
d) None of These
106. Which of the following is correct about Star Topology:
a) Data on a star network passes through the hub, switch or concentrator before continuing to its destination.
b) The hub, switch or concentrator manages and controls all functions of the network
c) The star topology reduces the chance of network failure by connecting all of the systems to a central node.
d) All of Above
e) None of These
107. A tree topology (hierarchical topology) can be viewed as a collection of _____ in a hierarchy:
a) Bus Networks
b) Star Networks
c) Both of Above
d) None of These
108. Which of the following topologies functions most helpful for colleges, universities and schools so that each of the connect of that topology to the big network in some way:
a) Bus
b) Star
c) Tree
d) None of These
109. Implementing the _____ topology is expensive and difficult:
a) Tree
b) Mesh
c) Bus
d) None of These
110. A combination of any two or more network topologies are known as:
a) Bi-Lateral
b) Hybrid
c) Collateral
d) None of These

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111. Which of the following is incorrect about Hybrid Topology:
- a) A Hybrid topology always accrues when two different basic network topologies are connected.
 - b) It is a mixture of above mentioned topologies
 - c) Central computer is attached with sub-controllers which in turn participate in a variety of topologies
 - d) All of Above
 - e) None of These
112. Coaxial cable is suitable for use in _____ topology:
- a) Tree
 - b) Bus
 - c) Ring
 - d) None of These
113. Q _____ is suitable for use in star and ring topologies:
- a) Twisted Pair
 - b) Bind Pair
 - c) Combined Pair
 - d) None of These
114. _____ topology can be considered as an extension to Bus Topology:
- a) Ring
 - b) Tree
 - c) Hybrid
 - d) None of These
115. In ring topology, repeater works in 3 modes: _____, _____ and _____:
- a) Read, Transmit, By Pass
 - b) Listen ,Transmit, By Pass
 - c) Store, Spread, By Pass
 - d) None of These
116. The person who writes and tests computer programs is called a:
- a) Programmer
 - b) Software Engineer
 - c) Project Developer
 - d) None of These
117. What is Output:
- a) What the processor takes from the user
 - b) What the processor gives to the user
 - c) What the processor gets from the user
 - d) None of These
118. An error in a computer program is:
- a) Crash
 - b) Bug
 - c) Power Failure
 - d) None of These
119. Computer systems are comprised of:
- a) Hardware, Software, Procedures, Networks and People
 - b) Hardware, Programs, Processors, Procedures and People
 - c) Hardware Programs, Information, People and Networks

d) None of These

120. _____ is the process of carrying commands:

- a) Storing
- b) Executing
- c) Fetching
- d) None of These

English Language

Directions (Q. 121-130) Read the following passage carefully and answer the questions given below it.

A long time ago, on a big tree in the lap of the mountain, lived a bird named Sindhuka. It was a rather special bird because its droppings turned into gold as soon as they hit the ground.

One day, a hunter came to the tree in search of prey and he saw Sindhuka's droppings hit the ground and turn into gold. The hunter was struck with wonder. He thought, "I have been hunting birds and small animals since I was a boy, but in all my 80 years, I have never seen such a miraculous creature. He decided that he had to catch the bird somehow. He climbed the tree and skillfully set a trap for the bird. The bird, quite unaware of the danger it was in, stayed on the tree and sang merrily. But it was soon caught in the hunter's trap. The hunter immediately seized it and shoved it into a cage.

The hunter took the bird home joyfully. But as he had time to think over his good fortune later, he suddenly realised, "If the king comes to know of this wonder, he will certainly take away the bird from me and he might even punish me for keeping such a rare treasure all to myself. So it would be safer and more honourable if I were to go to the king and present the unique bird to him," The next day, the hunter took the bird to the king and presented it to him in court with great reverence. The king was delighted to receive such an unusual and rare gift. He told his courtiers to keep the bird safe and feed it with the best bird food available.

The king's prime minister though, was **reluctant** to accept the bird. He said "O Rajah, how can you believe the word of a foolish hunter accept this bird? Has anyone in our kingdom ever seen a bird dropping gold? The hunter must be either crazy or telling lies. I think it is best that you **release** the bird from the cage." After a little thought, the king felt that his prime minister's words were correct. So he ordered the bird to be released. But as soon as the door of the cage was thrown open, the bird flew out, perched itself on a nearby doorway and defecated. To everyone's surprise, the dropping immediately turned into gold. The king mourned his loss.

121. Which of the following is possible the most appropriate title for the story?

- a) The Skilled Hunter
- b) The King's Prime Minister
- c) The King's Defeat
- d) The Bird with the Gold Dropping
- e) The Trials and Tribulations of the Foolish Bird Sindhuka

122. Which of the following emotions made the hunter gift the bird to the king?

- a) Respect
- b) Joy
- c) Pride
- d) Fear
- e) Awe

123. Which of the following is true according to the story?

- a) Birds like Sindhuka were very common in the area near the mountain
- b) Sindhuka remained caged for the rest of its life
- c) Sindhuka was unaware of the trap laid by the hunter
- d) The King, when told to not accept the bird, did not listen to his Prime Minister
- e) All are true

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124. Why was the king's Prime Minister reluctant to accept the bird?
- He believed that the bird would die if caged
 - He know about the hunter's habit of lying
 - He believed that the bird would bring bad luck to the king
 - His sources had informed him that the hunter was crazy
 - None of these
125. How did the hunter find Sindhuka?
- He had read stories about the bird and had set traps at various locations in the city
 - He followed the bird's droppings
 - He was on the lookout for a prey when he chanced upon it
 - People from the city had informed him about the bird's whereabouts
 - He was attracted by the birds calls

Directions (Q. 126-128) Choose the word which is most similar in meaning to the word/group of words printed in bold as used in the passage.

126. **Rather**
- Regular
 - Quite
 - Instead
 - But
 - Known
127. **Release**
- Free
 - Vacate
 - Vent
 - Let expire
 - Make public
128. **Reverence**
- Respect
 - Detail
 - Astonishment
 - Hope
 - Remembrance

Directions (Q. 129-130) Choose the word which is most opposite in meaning to the word printed in bold as used in the passage.

129. **Reluctant**
- True
 - Clever
 - Averse
 - Hesitant
 - Keen
130. **Skilfully**
- Angrily
 - Haphazardly
 - Highly
 - Cheaply
 - Deftly

Directions (Q. 131-135): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- While these disadvantages of biofuels are serious, they are the only alternate energy source of the future and the sooner we find solutions to these problems the faster we will be able to solve the problems we are now facing with gasoline.
- This fuel can also help to stimulate jobs locally since they are also much safer to handle than gasoline and can thus have the potential to turnaround a global economy.
- These include dependence on fossil fuels for the machinery required to produce biofuel which ends up polluting as much as the burning of fossil fuels on roads and exorbitant cost of biofuels which makes it very difficult for the common man to switch to this option.
- This turnaround can potentially help to bring World peace and end the need to depend on foreign countries for energy requirements.

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- E. Biofuels are made from plant sources and since these sources are available in abundance and can be reproduced on a massive scale they form an energy source that is potentially unlimited.
- F. However, everything is not as green with the biofuels as it seems as there are numerous disadvantages involved which at times overshadow their positive impact.

131. Which of the following sentence should be the Third sentence after rearrangement?
a) A b) B c) C
d) D e) E
132. Which of the following sentence should be the Fifth sentence after rearrangement?
a) A b) B c) C
d) E e) F
133. Which of the following sentence should be the Sixth (Last) sentence after rearrangement?
a) A b) C c) D
d) E e) F
134. Which of the following sentence should be the Second after rearrangement?
a) A b) B c) D
d) E e) F
135. Which of the following sentence should be the First sentence after rearrangement?
a) A b) B c) C
d) D e) E

Directions (Q. 136-140) Read this sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation if any).

136. Our country's performance (a) / in the last few national and international games (b) / is fairly ordinary (c) / and below our stature. (d) No error (e)
137. We have (a) / fairly standard accounting procedures (b) / that are on the line (c) / with the internationally accepted norms. (d) No error (e)
138. The company is negotiating (a) / new store launches (b) / at nearby (c) / half the rent (d) No error (e)
139. Intense fear blocks (a) / both to the generation (b) / and expression (c) / of ideas (d) No error (e)
140. The Government officials have been met (a) / heads of commercial Banks later this week (b) / to get their views on liquidity (c) / and growth in deposits (d) No error (e)

Directions (Q. 141-145) Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.

141. Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.
a) Adventure b) Demonstration c) Environment
d) Innosent e) All Correct
142. Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.

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- a) Limitasion b) Dependable c) Miniature
d) Qualitative e) All Correct

143. Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.

- a) Lucrative b) Ancestral c) Performanse
d) Incidentally e) All Correct

144. Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.

- a) Futility b) Separasion c) Embarrassment
d) Positively e) All Correct

145. Below the four words are given. One of these four words may be wrongly spelt. Find out the word which is wrongly spelt, if there is any. The number of that word is your answer. If all the words are correctly spelt mark All correct as the answer.

- a) Tournament b) Enhancement c) Amazingly
d) Continuation e) All Correct

Directions (Q. 146-150): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- A. The researchers in these companies claim that they could do better by allowing their employees to doze off at work place.
B. The dreams, while at work, are thus helpful to solve crucial problems.
C. Would you believe that some UK based companies are arranging for bed at the work place?
D. The reason, they claim, could be that dreams produce creative solutions.
E. We only hope that these crucial problems in UK are different from those of ours.
F. But it is true and is considered as a step to improve quality of their products.

146. Which of the following should be the First sentence after rearrangement?

- a) A b) B c) C
d) D e) None of these

147. Which of the following should be the Third sentence after rearrangement?

- a) A b) B c) C
d) D e) None of these

148. Which of the following should be the Fourth sentence after rearrangement?

- a) A b) B c) C
d) D e) None of these

149. Which of the following should be the Fifth sentence after rearrangement?

- a) A b) B c) C
d) D e) None of these

150. Which of the following should be the Sixth sentence after rearrangement?

- a) A b) B c) C
d) E e) None of these

Directions (Q. 151-155) Read this sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark the part with the

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error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation if any).

151. Attributing rise in inflation partly for withholding of food stocks by traders/the minister said that/he was committed/to easing this supply side bottleneck.
- Attributing rise in inflation partly for withholding of food stocks by traders
 - The minister said that
 - He was committed
 - To easing this supply side bottleneck.
 - No error
152. India's largest utility vehicle and tractor maker/is again in the race to acquire/for stake in Swedish company/which is a premium car maker.
- India's largest utility vehicle and tractor maker
 - Is again in the race to acquire
 - For stake in Swedish company
 - Which a premium car maker
 - No error
153. With sale of branded or premium petrol becoming almost nil/due to high duties,/a government appointed panel has recommended/slashing excise duty to make them at par with regular fuel.
- With sale of branded or premium petrol becoming almost nil
 - Due to high duties
 - A government appointed panel has recommended
 - Slashing excise duty to make them at par with regular fuel
 - No error
154. Keeping in mind/that power cuts are on different days in different areas/the change in the factory law would enable individual factories within an area/to determining their own weekly holidays.
- Keeping in mind
 - That power cuts are on different days in different areas
 - The change in the factory law would enable individual factories within an area
 - To determining their own weekly holidays
 - No error
155. Police officers have refused on identify the bystander,/who is the only eyewitness to the crime,/but have said that the investigating team would explore/if he could be a witness in the case.
- Police officers have refused on identify the bystander
 - Who is the only eyewitness to the crime
 - But have said that the investigating team would explore
 - If he could be a witness in the case
 - No error

Directions (Q. 156-160) Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

Delays of several months in National Rural Employment Guarantee Scheme wage payments and work sites where labourers have lost all hope of being paid at all have become the norm in many states. How are workers who exist on the margins of subsistence supposed to feed their families? Under the scheme, workers must be paid within 15 days, failing which they are entitled to compensation under the Payment of Wages Act – upto Rs.3000 per aggrieved worker. In reality,

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compensation is received in only a few isolated instances. It is often argued by officials that the main reason for the delay is the inability of banks and post offices to handle mass payments of NREGS wages. Though there is a grain of truth in this, as a diagnosis it is misleading. The 'jam' in the banking system has been the result of the hasty switch to bank payments imposed by the Central Government against the recommendation of the Central Employment Guarantee Council which advocated a gradual transition starting with villages relatively close to the nearest bank. However, delays are not **confined** solely to the banking system. Operational hurdles include implementing agencies taking more than fifteen days to issue payment orders, viewing of work measurement as a cumbersome process resulting in procrastination by the engineering staff and non maintenance of muster rolls and job card etc. But behind these delays lies a deeper and **deliberate** 'backlash' against the NREGS. With bank payments making it much harder to embezzle NREGS funds, the programme is seen as a headache by many government functionaries the workload has remained without the "inducements". Slowing down wage payments is a **convenient** way of sabotaging the scheme because workers will **desert** NREGS worksites.

The common sense solution advocated by the government is to adopt the business correspondent model. Where in bank agents will go to villages to make cash payments and duly record them on handheld, electronic devices. This solution is based on the wrong diagnosis that distance separating villages from banks is the main issue. In order to accelerate payments, clear timelines for every step of the payment process should be incorporated into the system as Programme Officers often have no data on delays and cannot exert due pressure to remedy the situation. Workers are both clueless and powerless with no provision for them to air their grievances and seek redress. In drought affected areas the system of piece rate work can be dispensed with where work measurement is not completed within a week and wages may be paid on the basis of attendance. Buffer funds can be provided to gram panchayats and post offices to avoid bottlenecks in the flow of funds. Partial advances could also be considered provided wage payment are meticulously tracked. But failure to recognise problems and unwillingness to remedy them will remain major threats to the NREGS.

156. What impact have late wage payments had on NREGS workers?
- They cannot obtain employment till their dues are cleared
 - They have benefited from the compensation awarded to them
 - They have been unable to provide for their families
 - None of these
157. Which of the following factors has not been responsible for untimely payment of NREGS wages?
- Communication delays between agencies implementing the scheme
 - Improper record keeping
 - Behind schedule release of payments by banks
 - Drought conditions prevalent in the country
158. What has the outcome of disbursing NREGS wages through banks been?
- Theft of funds by administrative officials responsible for the scheme has reduced
 - Increased work load for local government officials
 - Protests by workers who have to travel long distances to the nearest bank to claim their wages
 - Time consuming formalities have to be completed by workers
159. To which of the following has the author attributed the delay in wage payments?
- Embezzlement of funds by corrupt bank staff
 - Lack of monitoring by the Central Employment Guarantee Council
 - An attempt to derail the NREGS by vested interests
 - Overworked bank staff deliberately delay payments to protest against extra work
160. Which of the following can be considered a deficiency in the NREGS?
- Lack of co-ordination among Programme Officers

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- b) Local officials are unaware of correct operational procedures
- c) Workers have no means of obtaining redressal for untimely wage payments
- d) Disbursing wages through banks instead of readily accessible post offices

General Awareness

161. India has imposed Anti- dumping duty on potassium carbonate imports from which of the following countries?
- a) China and South Korea
 - b) Singapore and Taiwan
 - c) Taiwan and China
 - d) South Korea and Taiwan
162. In context of banking, what does 'BBB' stands for__?
- a) Bank Broadcast Bureau
 - b) Bank Beneficial Bureau
 - c) Bank Blogger Bureau
 - d) Bank Board Bureau
163. Who has been appointed as the Chairman of the Public Enterprises Selection Board (PESB)?
- a) Gauri Kumar
 - b) AtulChaturvedi
 - c) Anshuman Das
 - d) Ajit Kumar Seth
164. Which of the following has recently acquired Bengaluru-based HomeBuy360?
- a) Housing.com
 - b) SoftBank
 - c) Indian Real Estate Forum (IREF)
 - d) None of the above
165. Who has become the first Indian shuttler to win silver medal in 2015 World Badminton Championship?
- a) PV Sindhu
 - b) JwalaGutta
 - c) SainaNehwal
 - d) KidambiSrikanth
166. Which state government has launched "Gramajyothi" Scheme to empower gram panchayats?
- a) Telangana
 - b) Bihar
 - c) Odisha
 - d) Tripura
167. The mobile wallet app "Buddy" launched by which bank recently?
- a) PNB
 - b) ICICI
 - c) HDFC
 - d) SBI

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168. Which district in India has highest number of e-toilets in its schools?
a) Guntur district
b) Srikakulam district
c) Nellore district
d) Kurnool district
169. The campaign “Start-up India, Stand up India” is associated with which field?
a) Food Industry
b) Women Empowerment
c) Swacch Bharat Mission
d) Entrepreneurship
170. Which of the following public sector company has signed pacts with NSDF and NSDC for skill development training projects in Eastern states and Bihar?
a) BHEL
b) NTPC
c) GAIL
d) ONGC
171. India has signed MoU with which country recently for technical cooperation in Railway Sector?
a) South Korea
b) Myanmar
c) Mozambique
d) Slovak Republic
172. Which Union Ministry of India has recently launched “Indradhanush” to revamp functioning of Public Sector Banks (PSBs)?
a) Ministry of Finance
b) Ministry of Personnel, Public Grievances and Pensions
c) Ministry of Planning
d) Ministry of Labour and Employment
173. Which bank has recently launched Multi Currency Contactless card in partnership with VISA?
a) HDFC Bank
b) ICICI Bank
c) SBI
d) Axis Bank
174. Om PrakashMunjhal, who passed away recently, was founder and the current chairman of__?
a) Hero Cycles Limited
b) Hindustan Motors
c) Apollo Tyres
d) MarutiUdyog
175. Who has been appointed as the Election Commissioner of India recently?
a) Achal Kumar Jyoti

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- b) Om PrakashRawat
c) NasimZaidi
d) H.S.Brahma
176. Which state government of India has recently banned on the use of plastic in the state?
a) Kerala
b) Gujarat
c) Tripura
d) Odisha
177. Which historical monument in India recently got its twitter account?
a) QutubMinar
b) TajMahal
c) FatehpurSikri monuments
d) Red Fort, Delhi
178. In which state of India, the All India Institute of Ayurveda (AIIA) will be set up?
a) Uttar Pradesh
b) Rajasthan
c) New Delhi
d) Haryana
179. The International Climate e Variability and Predictability project office will be set up in which city of India?
a) Kochi
b) Pune
c) Mumbai
d) Chennai
180. Which Indian organization has been accredited by Green Climate Fund as National Implementing Entity (NIE) , recently?
a) SAIL
b) NTPC
c) NABARD
d) NHB
181. The Prem Bhatia Memorial Award for the Best Political Reporting-2015 has been won by which Indian Journalist recently?
a) SuhasiniHaidar
b) PriyankaKakodkar
c) MukulChaudhuri
d) E.M. Manoj
182. Who has been appointed as the social ambassador of Coca-cola India recently?
a) ViratKohli
b) SouravGanguly
c) Sachin Tendulkar
d) MS Dhoni

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183. Which scheme of Government of India (GoI) has been recognized by the Guinness Book of World Records recently?
- Direct Benefit transfer of LPG
 - PradhanMantri Jan DhanYojana
 - Atal Mission for Rejuvenation and Urban Transformation
 - PradhanMantriAwasYojana
184. India signed the finance agreement with which organisation for National Cyclone Risk Mitigation Projects recently?
- IMF
 - WHO
 - World Bank
 - UNCTAD
185. Which state government of India banned the sale of aspirin and ibuprofen without prescription recently?
- Kerala
 - Gujarat
 - Delhi
 - Uttar Pradesh
186. The Balbir Singh Senior Hockey Foundation has been launched in which city of India?
- Lucknow
 - Jaipur
 - Gandhinagar
 - Mohali
187. The Netravali wildlife sanctuary is located in which state?
- Goa
 - Kerala
 - Mizoram
 - Odisha
188. Freedom fighter KayyaraKinhannaRai, who passed away recently, was a famous poet in which language?
- Tamil
 - Kannada
 - Malayalam
 - Telgu
189. With which state government of India, Foxconn signed MoU to set up its manufacturing plant?
- Maharashtra

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- b) Bihar
- c) Himachal Pradesh
- d) Tamil Nadu

190. Maharashtra government has declared the northern part of Thane Creek as?
- a) Flamingo sanctuary
 - b) Great Indian Bustard sanctuary
 - c) Vulture Protection Area
 - d) Ecological Sensitive Area

191. Recently, India has decided to boycott which Conference to be held in Islamabad?
- a) Commonwealth Parliamentary Council
 - b) Commonwealth Parliamentary Committee
 - c) Commonwealth Parliamentary Conference
 - d) Commonwealth Parliamentary Countries

192. The Vindhyachal Super Thermal Power Station is in which district of Madhya Pradesh?
- a) Singrauli district
 - b) Chhatarpur district
 - c) Shahdol district
 - d) Damoh district

193. Which of the following schemes recently launched by Government of India (GoI) for minorities?
- a) NaiManzil
 - b) NaiRoshni
 - c) NaiUmang
 - d) NaiKhoj

194. Which of the following union ministries has released the Swachh Bharat Rankings of 476 cities recently?
- a) Ministry of Personnel, Public Grievances and Pensions
 - b) Ministry of Health and Family Welfare
 - c) Ministry of Urban Development
 - d) All of the above

195. The Defence Research and Development Organisation (DRDO) has developed which poly-herbal medicine recently for the treatment of Vitiligo?
- a) Aukoskin
 - b) Sukoskin
 - c) Nukoskin
 - d) Lukoskin

196. Which Indian private firm recently got license from DRDO to manufacture Lakshya for India's military?
- a) Hindustan Aeronautics Ltd
 - b) Larsen and Toubro
 - c) BrahMos Aerospace Private Limited
 - d) Tata Advanced Systems

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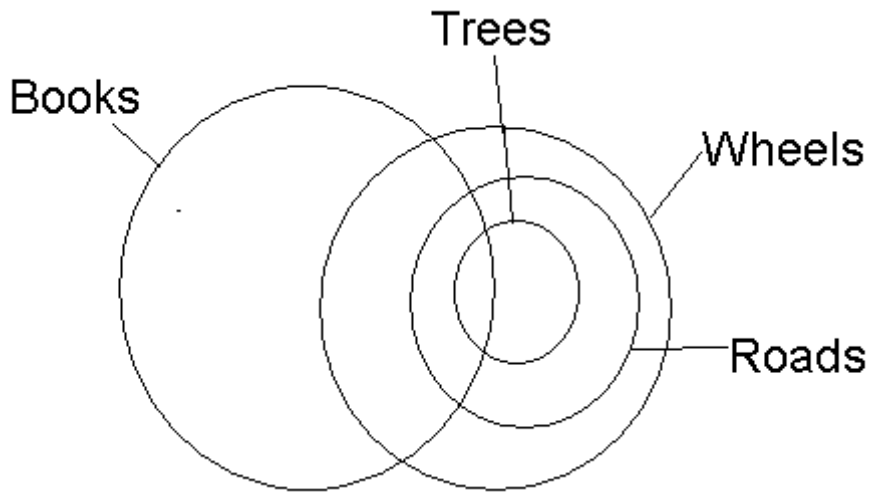
197. Which of the following state assemblies recently passed resolution on abolishing death penalty?
a) Manipur
b) Arunachal Pradesh
c) Tripura
d) Meghalaya Show Answer
198. Google Inc. will become a wholly-owned subsidiary of Alphabet Inc. Who will take over the CEO role at Google?
a) Mr.SergeyBrin
b) Mr. Larry Page
c) Mr.SundarPichai
d) None of the above
199. . Which of the following personalities bagged the Pacific Area Travel Writers Association (PATWA) – Safari India South Asia Travel Award n the category for ‘Best Innovated Tourism Minister’ for the year 2015 recently?
a) DilipParulekar
b) A. P. Anil Kumar
c) N. Suresh Rajan
d) Ashok Chandra Panda
200. Which bank has recently launched its ‘Saral-Rural Housing Loan’ at base rate of 9.70 % for borrowers from the rural areas?
a) HDFC
b) SBI
c) ICICI
d) PNB

ANSWERS

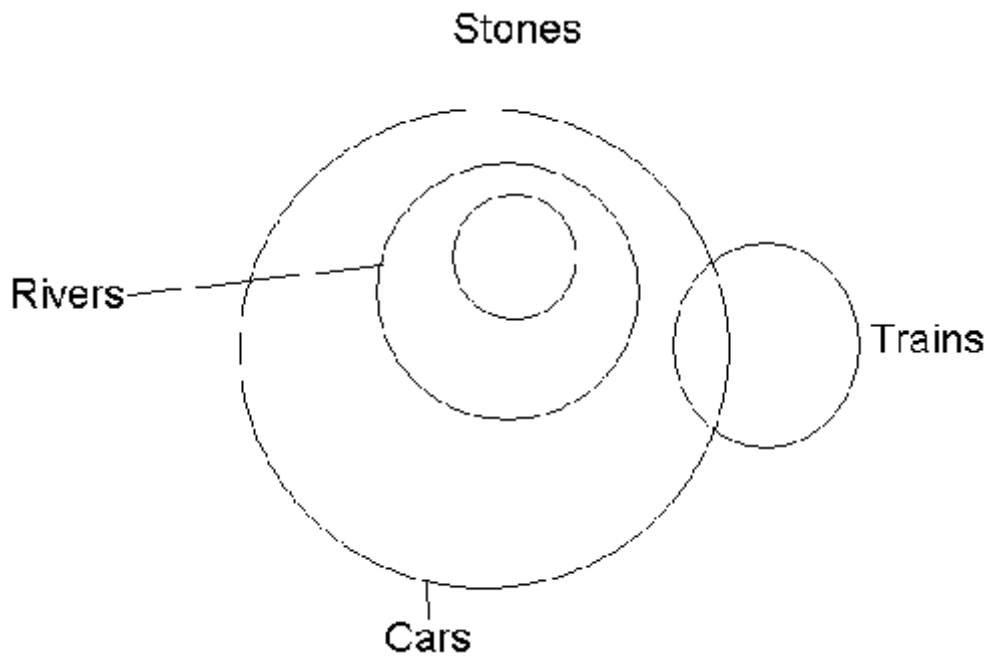
1. Option A
2. Option A
3. Option B
4. Option E
5. Option B
6. Option B
7. Option A
8. Option B
9. Option C
10. Option C
11. Option D
12. Option A
13. Option A
14. Option C
15. Option B
16. Option D
17. Option A
18. Option C
19. Option B
20. Option A
21. Option E

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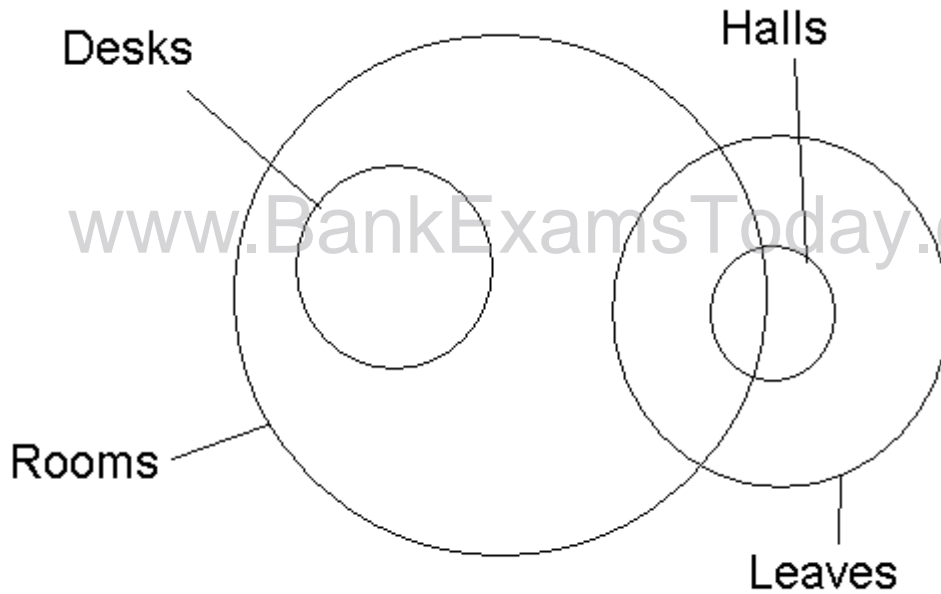
- 22. Option C
- 23. Option B
- 24. Option A
- 25. Option B
- 26. Option E
- 27. Option C
- 28. Option B
- 29. Option E
- 30. Option A
- 31. Option D



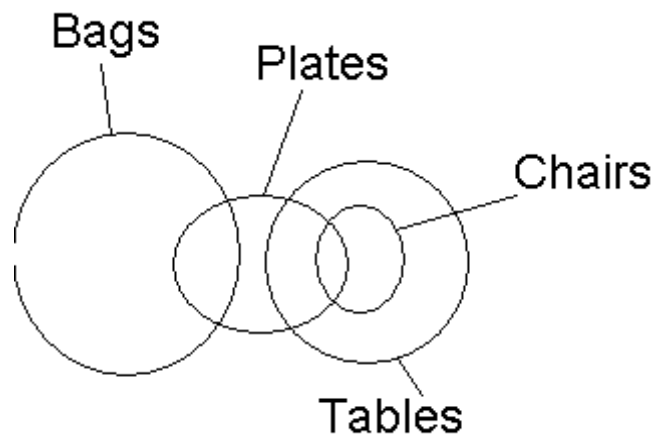
- 32. Option C



- 33. Option D



34. Option E



35. Option C

$R = K, K < F, F < N$
 $R = K, F < N$
 $N > R, F > R, F = R$
 So, either II or III and I are true.

36. Option A

$J > M, M < K, K < D$
 $J > M < K < D$
 The relations cannot be made between J and D, D and M and K and J. So none is true.

37. Option E

$H < T, T < B, B > R$
 $H < T < B > R$ or $B > H$
 Only II is true.

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38. Option B

R > D, D = N, N > F
 R > D = N > F
 F < D and N > R
 Only I and III are true.

39. Option A

F < B, B = H, H < K
 F < B = H < K
 Only I is true.

40. Option B

M < D, D < K, K < N
 M < D < K < N
 Only II is true.

41. Option B

Sekar:Rajeev:Jatin = $\left[\frac{25000 \times 12 + 35000 \times 12 + 45000 \times 12}{35000 \times 12} \right] :$
 $\left[\frac{35000 \times 12}{45000 \times 12} \right] :$
 $\left[\frac{45000 \times 12}{150000} \right] :$
 $1260000 : 840000 : 420000$
 $= 3 : 2 : 1.$

Rajeev's share = Rs. $\left[150000 \times \frac{2}{6} \right]$
 = Rs. 50000.

42. Option B

Number of vehicles registered upto Rs. 9999
 $= 18 \times 26 \times (9999)$
 Number of vehicles registered between SA-0001 and SJ 9999 = $1 \times 10 \times 9999$
 Therefore number of vehicles registered before SK-0123
 $= 18 \times 26 \times 9999 + 1 \times 10 \times 9999 + 122$
 $= 9999 \times 478 + 122 = 4779644$

43. Option C

Since Pooja and Shipra are twins so their ages be same. Let their ages be x and age of Monika be y, then,
 $x + x = y \dots (i)$
 and $\frac{x-3}{y-3} = \frac{2}{7}$
 $7x - 2y = 15$
 Now, from equation (i),
 $7x - 4x = 15$

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$$x = 5$$

So, the age of Shipra 3 years hence will be $5 + 3 = 8$ years

44. Option C

$$\left[((x \times 1.1) \times 1.1) \times \frac{1125}{1100} \right] = 990$$

$$x = 800$$

45. Option B

$$a_1 + a_5 + a_{10} + a_{15} + a_{20} + a_{24} = 225$$

$$a_1 + (a_1 + 4d) + (a_1 + 9d) + (a_1 + 14d) + (a_1 + 19d) + (a_1 + 23d) = 225$$

$$6a_1 + 69d = 225 \quad \dots (i)$$

$$\text{Now, } a_1 + a_2 + a_3 + a_4 + \dots + a_{23} + a_{24} = 24a_1 + 276d = 4(6a_1 + 69d)$$

$$= 4 \times 225 = 900$$

46. Option B

Since, the speeds of Vinay and Versha are in the ratio of 5 : 3 i.e., when Vinay covers 5 rounds, then Versha covers 3 rounds, but first time Vinay and Versha meet when Vinay completes $2\frac{1}{2}$ round and Versha completes $1\frac{1}{2}$ round. For Vinay to pass Versha 7th time,

Vinay would have completed $7 \times 2\frac{1}{2}$ rounds. Since, each round is $1\frac{1}{2}$ km, the distance covered by Vinay is

$$7 \times 2\frac{1}{2} \times 1\frac{1}{2} = 7 \times \frac{5}{2} \times \frac{3}{2} = 26\frac{1}{4} = 26.25 \text{ km}$$

47. Option A

Karan's efficiency = 10%

Sohan's efficiency = 5%

Work done by Karan and Sohan together in 3 days = $15 \times 3 = 45\%$

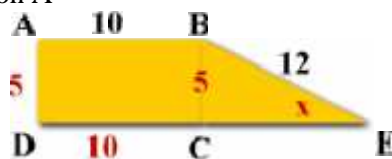
Now, number of days in which B completed rest (55%) work alone = $\frac{55}{5} = 11$

Total number of days in which B worked = $3 + 11 = 14$

Now number of days required by B, when A and B both worked together = $\frac{100}{15} = 6\frac{2}{3}$

Required difference in number of days = $(11) \left[6\frac{2}{3} \right]$
 $= \frac{13}{3} = 4\frac{1}{3}$ days

48. Option A



The opposite sides of a rectangle are equal. If the perimeter is 30, the sides are as shown above.

Use trigonometry to find x:

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$$\sin x = \frac{5}{12}$$
$$\sin x = .4167$$
$$x = 24.6 = 25$$

49. Option C

$$\text{Rate upstream} = \left[\frac{7}{42} \times 60 \right] \text{ kmph} = 10 \text{ kmph}$$

$$\text{Speed of stream} = 3 \text{ kmph}$$

Let speed in still water be x km/hr. Then, speed upstream = $(x - 3)$ km/hr

$$\text{So, } x - 3 = 10 \text{ or } x = 13 \text{ km/hr}$$

50. Option A

$$\text{Ratio} = \frac{\text{Students studying in institute A}}{\text{Students studying in institute H}} = \frac{2080}{2360}$$

$$\text{Ratio} = \frac{52}{59} = 52 : 59$$

51. Option E

Students studying in course Q in institute B = 540

Students studying in institute C = 2700

$$\text{Required percentage} = \frac{540}{2700} \times 100 = 20\%$$

52. Option B

Total number of students studying in course T = 3280

53. Option C

Students studying in course P in institute A = 520

Students studying in institute A = 2080

$$\text{Required percentage} = \frac{520}{2080} \times 100 = 25\%$$

54. Option B

Number of students studying in institute D = 2130

Total number of courses in institute D = 5

$$\text{Average} = \frac{2130}{5} = 426$$

55. Option C

$$\text{Average sales of grade 1} = \frac{20 + 40 + 50 + 60}{4} = 42.5 \text{ tonnes}$$

$$\text{Average sales of grade 2} = \frac{40 + 60 + 20 + 110}{4} = 57.5 \text{ tonnes}$$

$$\text{Difference} = 57.5 - 42.5 = 15 \text{ tonnes.}$$

56. Option A

Total income of companies A = $(75000 \times 20) + (60000 \times 40) = \text{Rs.}3900000$

Total income of companies C = $(75000 \times 50) + (60000 \times 20) = \text{Rs.}4950000$

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Difference= Rs.1050000= Rs. 1.05 million.

Company	Grade1 (tonnes)	Grade 2 (tonnes)
A	20	40
B	40	60
C	50	20
D	60	110

57. Option E

Net income of company A= $(75000 \times 20) + (40 \times 60000) = \text{Rs.}3900000$

Grade 1 constitutes 38.46% $\left[\frac{150000}{3900000} \times 100 \right]$

58. Option D

Total production by company D= $60+110= 170$ tonnes

Total production by company B= $40+60= 100$ tonnes

Total production by company D is 170 % that of company B. $(170/100)*100$

59. Option D

We shall find the day on 01st April 2001.

1st April 2001 = (2000 years + period from 01.01.2001 to 01.04.2001)

Odd days in 1600 years = 0

Odd days in 400 years = 0

Jan. (31)	+	Feb. 28	+	March 31	+	April 1)	= 91 days = 0 odd days
--------------	---	------------	---	-------------	---	-------------	------------------------

Total number of odd days = $(0 + 0 + 0) = 0$

On 1st April 2001 it was Sunday.

In April 2001, Wednesday falls on 4th, 11th, 18th, 25th.

60. Option B

Time from 7 a.m. to 4.15 p.m. = 9 hours 15 min. = $\frac{37}{4}$ hours

3 min. 5 sec. of this clock = 3 min. of the correct clock.

$\frac{37}{720}$ hours of this clock = $\frac{1}{20}$ hours of the correct clock.

$\frac{37}{4}$ hours of this clock = $\left[\frac{1}{20} \times \frac{720}{37} \times \frac{37}{4} \right]$ hours of the correct clock.
= 9 hours of the correct clock.

So, the correct time is 9 hours after 7 a.m. i.e. 4 p.m.

61. Option A

Here, CP of unit quantity of dearer = 460 per kg, CP of unit quantity of cheaper = 410 per kg

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$$\frac{\text{Quantity of cheaper}}{\text{Quantity of dearer}} = \frac{460}{430} \times \frac{430}{410} = \frac{30}{20} = \frac{3}{2}$$

So, the required ratio be 3 : 2

62. Option C

$$\begin{aligned} \text{Net part filled in 1 hour} &= \left[\frac{1}{5} + \frac{1}{6} - \frac{1}{12} \right] \\ &= \frac{17}{60} \end{aligned}$$

Therefore, the tank will be full in $\frac{60}{17}$ hrs. = $3 \times \frac{9}{17}$ hrs.

63. Option B

Let the sum invested at 9% be Rs. x and that invested at 11% be Rs. (100000 - x)

$$\text{Then, } \left[\frac{x \times 9 \times 1}{100} \right] + \left[\frac{(100000 - x) \times 11 \times 1}{100} \right] = \left[100000 \times \frac{39}{4} \times \frac{1}{100} \right]$$

$$\frac{9x + 1100000 - 11x}{100} = \frac{39000}{4} = 9750$$

$$2x = (1100000 - 975000) = 125000$$

$$x = 62500$$

Sum invested at 9% = Rs.62500

Sum invested at 11% = Rs. (100000 - 62500) = Rs.37500

64. Option D

Let the monthly salary of Sameer be Rs. x.

$$\text{Then, } [100 - (25 + 20)]\% \text{ of } [100 - (24 + 15)]\% \text{ of } x = 10736$$

$$55\% \text{ of } 61\% \text{ of } x = 10736$$

$$\frac{55}{100} \times \frac{61}{100} \times x = 10736$$

$$x = \left[\frac{10736 \times 100 \times 100}{55 \times 61} \right] = 32000$$

65. Option A

$$\text{Area of path} = (L + b) \times w$$

$$= (60 + 40) \times 5 = 475 \text{ m}^2$$

$$\text{Cost} = \text{Area} \times \text{rate}$$

$$= 475 \times 0.8 = \text{Rs.}380$$

66. Option E

Clearly, the facts given in I and II contain two conditions to be fulfilled to get retirement and also indicate that Ritesh fulfills only one condition out of them.

67.

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The series is $3 \times 2 + 3 = 9, 9 \times 3 - 4 = 23, 23 \times 4 + 5 = 97, 97 \times 5 - 6 = 479, 479 \times 6 + 7 = 2881, 2881 \times 7 - 8 = 20159$

Hence, there should be 97 in place of 99.

68.

The series is $1 \times 2 + 1 = 3, 3 \times 2 + 0 = 6, 6 \times 2 - 1 = 11, 11 \times 2 - 2 = 20, 20 \times 2 - 3 = 37, 37 \times 2 - 4 = 70$

Hence, there should be 37 in place of 39

69.

The series is $50 + 1^2 = 51, 51 - 2^2 = 47, 47 + 3^2 = 56, 56 - 4^2 = 40, 40 + 5^2 = 65, 65 - 6^2 = 29$

Hence, there should be 40 in place of 42.

70.

The series is $2 \times 2 + 7 = 11, 11 \times 3 - 6 = 27, 27 \times 4 + 5 = 113, 113 \times 5 - 4 = 561, 561 \times 6 + 3 = 3369, 3369 \times 7 - 2 = 23581$

Hence, there should be 11 in place of 13.

71.

The series is $\times \frac{1}{2} + \frac{1}{2}, 1 + 1, \times 1 \frac{1}{2} + 1 \frac{1}{2} \dots$

Hence, there should be 5 in place of 6.

72.

Option E

$$\begin{aligned} y - 4 &= 3(x - 4) \\ (x + 4) + (y + 4) &= 64 \\ x + y + 8 &= 64 \\ x + y &= 56 \\ 3x - 12 + y + 4 &= 0 \\ 3x - y &= 8 \\ x + y &= 56 \\ 4x &= 64 \\ x &= 16 \\ y - 4 &= 3x - 12 \\ 16 + y - 56 &= 0 \\ y &= 40 \end{aligned}$$

73.

Option A

Let the actual cost price of an article be Rs.1 (in place of x)

Now, he purchases goods worth Rs.120 and pays Rs.80, since 20% discount is allowed.

$$\text{So, the CP} = \frac{80}{120} = \frac{2}{3}$$

Again MP = 180, SP = 135 (since 25% discount)

Thus, the trader sells goods worth Rs.90 instead of 100 g and charges Rs.135. Therefore the

$$\text{effective SP} = \frac{135}{90} = \frac{3}{2}$$

$$\text{So, profit \%} = \frac{\frac{3}{2} - \frac{2}{3}}{\frac{2}{3}} \times 100 = 125\%$$

74.

Option B

Let the speed of the goods train be x kmph.

Distance covered by goods train in 10 hours = Distance covered by express train in 4 hours

$$\text{So, } 10x = 4 \times 90 \text{ or } x = 36.$$

So, speed of goods train = 36 kmph

75. Option C

$$\frac{\text{time taken by A}}{\text{time taken by B}} = \frac{140 \text{ s}}{180 \text{ s}} = \frac{7}{9}$$

So, $\frac{\text{speed of A}}{\text{speed of B}} = \frac{\text{Distance travelled by A}}{\text{Distance travelled by B}} = \frac{9}{7}$

Therefore, B travels $\frac{7}{9} \times 4.5 = 3.5 \text{ km}$

76. Option A

Production of Steel in India = 1000 tonnes

Productivity of Steel in India = $\frac{1000}{800} = 1.25$ tonnes per factory

Production of Steel in Pakistan = $1000 \times \frac{3}{5} = 600$ tonnes

Productivity of Steel in Pakistan = $\frac{600}{600} = 1$ tonne per factory

So, required ratio = $1.25 : 1 = 125 : 100 = 5 : 4$

77. Option E

Total factories in India = $300 + 500 + 500 + 700 + 800 = 2800$

Total factories in Pakistan = $500 + 400 + 700 + 500 + 600 = 2700$

So, required difference = $2800 - 2700 = 100$

78. Option C

Total number of Cotton factories in Pakistan = 400

Total number of Cement factories in India = 700

So, required % = $\frac{400 \times 100}{700} = 57.14\%$ of the number of Cement factories in India.

79. Option B

Production of Fertilizer in Pakistan = $50 \times 700 = 35000$ tonnes

Export of Pakistan is 40% of its production. Then, the Fertilizer used by Pakistan itself = $35000 \times \frac{60}{100} = 21000$ tonnes

Production of Fertilizer in India = $60 \times 500 = 30000$ tonnes

India exports 30% of its production

So, Fertilizer used by India itself = $30000 \times \frac{70}{100} = 21000$ tonnes

So, required difference = $21000 - 21000 = 0$ tonne

80. Option B

Productivity of Cement = Production per factory

Productivity of Cement in India = $\frac{24500}{700} = 35$ tonnes

Productivity of Cement in Pakistan = $\frac{14500}{500} = 29$ tonnes

So, required difference = $35 - 29 = 6$ tonnes

- 81. Data
- 82. Both of Above
- 83. Data Base Management System
- 84. Spreadsheet
- 85. 1993
- 86. Visual Basic for Application
- 87. Visual Basic
- 88. File

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89. Shift + Down Arrow Key
90. Ctrl + Shift + Down Arrow Key
91. Ctrl + Page Down
92. Move to the previous worksheet in the workbook
93. Internet Research Task Force
94. Internet Protocol
95. Advanced Research Project Agency Network
96. Fiber Distributed Data Interface
97. American National Standards Institute
98. Both of Above
99. All of Above
100. Trunk
101. Trunk
102. 2
103. Token Ring
104. Continuously
105. Hub
106. All of Above
107. Star Networks
108. Tree
109. Mesh
110. Hybrid
111. None of These
112. Bus
113. Twisted Pair
114. Tree
115. Listen ,Transmit, By Pass
116. Software Engineer
117. What the processor gives to the user
118. Bug
119. Hardware, Software, Procedures, Networks and People
120. Executing
121. Option D
122. Option D
123. Option C
124. Option E
125. Option C
126. Option B
127. Option A
128. Option A
129. Option E
130. Option E
131. Option C
132. Option B
133. Option C
134. Option E
135. Option E
136. Option C
137. Option C
138. Option C
139. Option B
140. Option A
141. Option D
142. Option A
143. Option C

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144. Option B
145. Option E
146. Option C
147. Option A
148. Option D
149. Option B
150. Option D
151. Option A
152. Option B
153. Option A
154. Option E
155. Option A
156. Option D
157. Option D
158. Option B
159. Option C
160. Option C
161. South Korea and Taiwan
162. Bank Board Bureau
163. Ajit Kumar Seth
164. Housing.com
165. SainaNehwal
166. Telangana
167. SBI
168. Nellore District
169. Entrepreneurship
170. NTPC
171. Slovak Republic
172. Ministry of Finance
173. Axis Bank
174. Hero Cycles Limited
175. Om PrakashRawat
176. Gujarat
177. TajMahal
178. New Delhi
179. Pune
180. NABARD
181. SuhasiniHaider
182. SouravGanguly
183. Direct Benefit Transfer of LPG
184. World Bank
185. Delhi
186. Mohali
187. Goa
188. Kannada
189. Maharashtra
190. Flamingo Sanctuary
191. Commonwealth Parliamentary Conference
192. Singrauli District
193. NaiManzil
194. Ministry of Urban Development
195. Lukoskin
196. Larsen and Toubro
197. Tripura
198. SundarPichai

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199. DilipParulekar
200. ICICI

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