IBPS RRB Clerk Prelims 2022 Memory Based Paper Held on 07th August – (English Version)

guidely

Ultimate Bundle PDF Course



01 Topic wise - 14,000+ Qns

02 Sectional wise - 9,500+ Qns

03 Exam wise - 40,000+ Qns
(Get 50 days Daily Targets)

04 Special Mains Booster Bundle PDF Course - 7,500+ Qns

05 General Awareness Bundle PDF Course - 12,000+ Qns

Exactly Based On Real Exam Pattern & Level (Pre & Mains Exams)
Total 80,000 + Qns

Language : English & Hindi

Also Available in Quiz Format

Answer Key with Video Solution

TOTAL 80K+ QUESTIONS

Reasoning Ability

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

Seven persons A, B, C, D, E, F and G are living in a seven storey building but not necessarily in the same order. The bottommost floor is numbered as 1 and the floor immediately above is numbered as 2 and so on.

Less than three persons live above E. Only two persons live between E and D. As many persons live above D as below B. A lives immediately below G. C lives below A.

1)Who among the following person lives three floors above G?

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

2) Which of the following statements is/are true with respect to the final arrangement?

a) F lives two floors above E
b) Only three persons live between G and C
c) D lives immediately above B
d) All are true
e) None of these

3) Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Find the one who doesn't belong to that group.

a) A
b) D
c) C
d) E
e) F

4) How many persons live between B and C?

a) Two
b) Five
c) Four
d) Three
e) None of these

5) Who among the following person lives immediately above E?

a) C
b) F
c) G
d) B
e) None of these

Direction (6-8): Study the following information carefully and answer the questions given below.

J is the father of only X and Y. Z is the wife of Y and daughter of C. B is the grandson of J. B has only one aunt.

6. How is C related to B?

a) Grandson
b) Grandmother
c) Grandfather
d) Granddaughter
e) Either b or c

7. How is Z related to X?

a) Brother-in-law

b) Cousin Sister

c) Maternal aunt

d) Sister-in-law

e) Cannot be determined

8. If E is the aunt of X, then how is E related to J?

a) Sister

b) Mother

c) Son

d) Sister-in-law

e) Cannot be determined

9. If in the word "QUALITY" all the vowels are changed to the immediate previous letter and all the consonants are changed to the immediate next letter as per the English alphabetical series, then which of the following letter is fourth from the left end?

a) H

b) U

c) Z

d) M

e) R

10. How many such pairs of digits are there in the number "95426313" each of which has as many digits between them as there are in the number series (both forward and backward)?

a) One

b) Two

c) Three

d) More than three

e) None

Directions (11-15): Read both the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

11. Statements:

Only a few masks are sanitizer

Some sanitizers are Vaccine

All Vaccine are tablets

Conclusions:

I. Some sanitizers are tablets

II. No vaccine is Mask

a) Only conclusion I follows

b) Either conclusion I or II follows

c) Both conclusions I and II follow

d) Only conclusion II follows

e) Neither conclusion I nor II follows

12. Statements:

All invasions are seizure

Only a few seizures are ride

No ride is attack

Conclusions:

I. All attacks can be invasions

II. All seizures can never be attack

a) Only conclusion I follows

b) Either conclusion I or II follows

c) Both conclusions I and II follow

d) Only conclusion II follows

e) Neither conclusion I nor II follows

13) Statements:

Only a few Drums are Cello.

All Cello are Banjo.

No Banjo is Guitar.

Conclusions:

I. Some Cello can be Guitar.

II. Some Banjo are Drums.

a) Only conclusion I follows

b) Either conclusion I or II follows

c) Both conclusions I and II follow

d) Only conclusion II follows

e) Neither conclusion I nor II follows

14) Statements:

Some mouse is keyboard.

All keyboards are laptops.

Only a few laptops are CPU.

Conclusions:

I. All keyboards can be CPU.

II. Some mouse is laptops.

a) Only conclusion I follows

b) Either conclusion I or II follows

c) Both conclusions I and II follow

d) Only conclusion II follows

e) Neither conclusion I nor II follows

15) Statements:

Few channels are commercial.

No Sports is channel.

Every commercial is entertainment.

Conclusions:

I. Few channels are entertainment.

II. No entertainment is sport.

a) Only conclusion I follows

b) Either conclusion I or II follows

c) Both conclusions I and II follow

d) Only conclusion II follows

e) Neither conclusion I nor II follows

Directions (16-20): Study the following information carefully and answer the questions given below.

Six persons A, B, C, Q, R and S were born on two different dates viz., 11 and 22 of three different months viz., September, October and November but not necessarily in the same order. C was born in the month having an odd number of days. Only two persons were born between C and R. As many persons born before R as after A. B was born immediately before S. Q was not born in an even numbered date.

16) S was born on which of the following day?

a) October 22

b) October 11

c) September 11

d) November 11

e) None of these

17) Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Find the one that doesn't belong to that group.

a) Q-A

b) R-B

c) B-S
d) C-Q
e) R-S

18) How many persons were born between R and Q?
a) Three
b) Two
c) Four
d) One
e) None of these

19) Which of the following statements is/are true with respect to the final arrangement?
a) S was born after Q
b) B was born two persons before C
c) Only four persons were born between A and B
d) All are true
e) None of these

20) Who among the following person was born immediately after S?
a) R
b) B
c) C
d) Q
e) None of these

Direction (21-25): Study the following information carefully and answer the questions given below.

A @ $ Z 5 6 E 7 ! © K 5 + L 9 0 * G 3 U % P J £ D H %

21) What is the sum of the numbers which are between ! and * in the given series?
A.10
B.14
C.13
D.12
E.15

22) How many vowels are immediately followed by a symbol in the given series?
A.One
B.Two
C.Three
D.Four
E.None

23) Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Find the one that doesn't belong to that group.
A.AZ
B.6!
C.+O
D.KL
E.% H

24) How many consonants are there which are immediately preceded by a consonant and immediately followed by a symbol?
A.One
B.Two
C.Three
D.Four

E.None

25) Which of the following element is tenth to the right of the ninth element from the left end?

A.A

B.*

C.3

D.U

E.None of these

Directions (26-30): In these questions, the relationship between different elements is shown in the statement. The statements are followed by two conclusions. Choose the conclusion(s) which is/are definitely true.

26. Statement:

R =P≥U>T≤O< Q ≤ X

Conclusions:

I. X > T

II. T ≤ X

a) Only conclusion I is true

b) Only conclusion II is true

c) Both conclusions I and II are true

d) Either conclusion I or II is true

e) Neither conclusion I nor II is true

27. Statements:

P > R ≤ S = T < Q ≥ W > Y ≥ X

Conclusions:

I. R < W

II. T > X

a) Only conclusion I is true

b) Only conclusion II is true

c) Both conclusions I and II are true

d) Either conclusion I or II is true

e) Neither conclusion I nor II is true

28. Statements:

M ≤ R < O ≤ D ≤ G = J ≥ K

Conclusions:

I. M ≤ G

II. O ≥ K

a) Only conclusion I is true

b) Only conclusion II is true

c) Both conclusions I and II are true

d) Either conclusion I or II is true

e) Neither conclusion I nor II is true

29) Statements:

Z ≥ E < F ≤ O; O ≥ K > M ≥ L

Conclusions:

I. L < O

II. Z > M

A.Only conclusion I is true

B.Only conclusion II is true

C.Either conclusion I or II is true

D.Both conclusions I and II are true

E.Neither conclusion I nor II is true

30) Statements:

P ≥ Q = R ≤ S ≤ T < W ≥ X

Conclusions:

I) T > Q

II) T = Q

A.Only conclusion I is true

B.Only conclusion II is true

C.Either conclusion I or II is true

D.Both conclusions I and II are true

E.Neither conclusion I nor II is true

Direction (31-35): Study the following information carefully and answer the questions given below.

Seven persons M, N, O, P, R, S and T are sitting around a circular table such that all of them are facing towards the centre, but not necessarily in the same order.

Only one person sits between P and M. T sits second to the right of P. N sits immediate right of T. R sits third to the right of O.

31. Who among the following person sits second to the right of S?

a) T

b) N

c) O

d) P

e) M

32. Who among the following person sits adjacent to R?

a) M

b) N

c) T

d) P

e) Both a and b

33. What is the position of P with respect to R?

a) Second to the right

b) Third to the right

c) Immediate right

d) Immediate left

e) Fourth to the right

34. If N is related to T and M is related R, then who among the following person is related to O?

a) T

b) N

c) M

d) S

e) O

35. If all the persons are made to sit in the alphabetical order in a clockwise direction with respect to M, then how many persons remain unchanged in their position (excluding M)?

a) One

b) Two

c) Three

d) More than three

e) No one

Direction (36-39): Study the following information carefully and answer the questions given below.

SIN ICY XOS AOW KLY

36. If the first letter in each word is replaced by "L", then how many 3- letter meaningful words can be formed?

a) One

b) Two

c) Three

d) More than three

e) None

37. If only the first and second letter of each word is changed to the immediate next letter as per the English alphabetical series, then how many words thus formed will have vowel?
a) One
b) Two
c) Three
d) More than three
e) None

38. If all the words are arranged in the dictionary order from the left end, then which of the following word is fourth from the right end?
a) SIN
b) AOW
c) ICY
d) XOS
e) None of these

39. If the first and the third letters of each word are interchanged, then how many new words thus formed end with a vowel?
a) One
b) Two
c) Three
d) More than three
e) None

40) If in the number 57935861426, the digits at the odd position (from the left end) are dropped, then which of the following digit is second from the right end?
a) 1
b) 8
c) 2
d) 3
e) 7

Numerical Ability

Directions (41-45): What value should come in the place of (?) in the following number series?

41) 183, ?, 248, 283, 313, 348
a) 218
b) 203
c) 195
d) 212
e) 194

42) 1211, 1242, 1273, 1304, ?, 1366
a) 1355
b) 1345
c) 1335
d) 1325
e) 1315

43) 6, 6, 12, 36, 144, ?
a) 360
b) 720
c) 200
d) 480
e) 540

44) 0.5, 1, 3, 15, 105, ?

a) 840
b) 1050
c) 735
d) 945
e) 1155

45) ?, 40, 55, 80, 115, 160
a) 30
b) 20
c) 15
d) 35
e) 25

Directions (46-50): What value should come in the place of (?) in the following questions?

46) $\sqrt[3]{1728} + \sqrt{256} * 10 = ? * 2$
a) 90
b) 75
c) 84
d) 86
e) 70

47) 45% of 200 + 280 = ? + 13 * 5
a) 290
b) 305
c) 320
d) 340
e) 360

48) 6 (3/2) + 4 (1/4) – 3/4 = ?
a) 20
b) 17
c) 23
d) 11
e) 13

49) $\sqrt{900} + \sqrt{1600} + 16 * 4 = ?$
a) 120
b) 140
c) 125
d) 130
e) 134

50) $81 * 9^4 * 3^6 \div 3^9 = 3^{?*3}$
a) 3
b) 5
c) 10
d) 11
e) 6

51) 16 * 15 ÷ 8 ÷ 3 = ? ÷ 2
a) 16
b) 40
c) 30
d) 20
e) 15

52) 5/6 of 360 + 8/9 of 270 + 360 = ?
a) 1000
b) 900
c) 960
d) 840
e) 880

53) ?% of 600 + 150 * 3 = 12 * 80
a) 95
b) 70
c) 85

d) 100

e) 75

54) $?^2 - \sqrt{(12^2 – 6^2 + 13)} = 25$

a) 6

b) 10

c) 12

d) 15

e) 4

55) $5^3 + 15^2 = ? - 20^2$

a) 640

b) 880

c) 720

d) 680

e) 750

56) $\sqrt{676} * 5 + 110 = ?^2 + 15$

a) 11

b) 15

c) 19

d) 12

e) 10

57) 12.05% of 400 + 120 ÷ 4 - ? = 50

a) 28

b) 16

c) 20

d) 32

e) 15

58) 2(1/5) + 1(1/10) + ? = 3(1/5) + 4(1/5)

a) 4(1/5)

b) 2(1/10)

c) 3(1/10)

d) 4(1/10)

e) 2(1/5)

59) $30 \div 5 + 12 * 10 - \sqrt{?} = 11^2$

a)16

b) 36

c) 25

d) 81

e) 49

60) $(310 – 80 - \sqrt{900}) \div ? = 25$

a) 2

b) 7

c) 3

d) 5

e) 8

Directions (61-65): Study the following information carefully and answer the questions.

The given table chart shows the quantity of sunflowers sold (in kg) in three different months i.e. January, February and March and also given the quantity of lilies sold (in kg) in three different months and the quantity of roses sold in three different months.

Flowers	January	February	March
Sunflower	150	90	50
Lily	80	100	70
Rose	110	75	120

61) Find the ratio of the quantity of sunflowers sold in January and March together to the quantity of lilies sold in February?

a) 2:1

b) 5:4

c) 3:2

d) 4:1

e) None of these

62) Find the difference between the total quantity of roses sold in January and February together and the quantity of lilies sold in February?

a) 95

b) 85

c) 105

d) 65

e) None of these

63) If the ratio of the quantity of roses sold in February to April is 5:4, then the quantity of roses sold in April is what percentage of the quantity of lilies sold in January?

a) 75%

b) 50%

c) 25%

d) 60%

e) None of these

64) The quantity of sunflowers sold in January is how much more/less than the total quantity of sunflowers and lilies sold in March?

a) 50 less

b) 40 more

c) 10 less

d) 30 more

e) None of these

65) If the average quantity of sunflowers and marigolds sold in February is 105, then find the ratio of the quantity of marigold sold in February to the quantity of roses sold in March?

a) 9:8

b) 7:6

c) 1:1

d) 3:4

e) None of these

66) A boat covers 64 km downstream in 4 hours. If the difference between the downstream and upstream speed of the boat is 8 km/hr, then find the speed of the boat in still water?

a) 12 km/hr

b) 10 km/hr

c) 16 km/hr

d) 20 km/hr

e) None of these

67) A vessel contains 180 liters of milk and water in the ratio of 5:4. If 20 liters of milk is added to the mixture, then find the ratio of milk to water in the final mixture?

a) 3:2

b) 4:1

c) 2:1

d) 5:2

e) None of these

68) Ratio of the present age of A to B is 4:5. If the difference between the age of A 6 years hence and B 4 years hence is 8, then find the sum of the present age of A and B together (age of B is greater than A)?

a) 54 years
b) 90 years
c) 63 years
d) 45 years
e) None of these

69) The number x is 4 more than that of y. If the difference between the square of numbers x and y is 72, then find the number x?

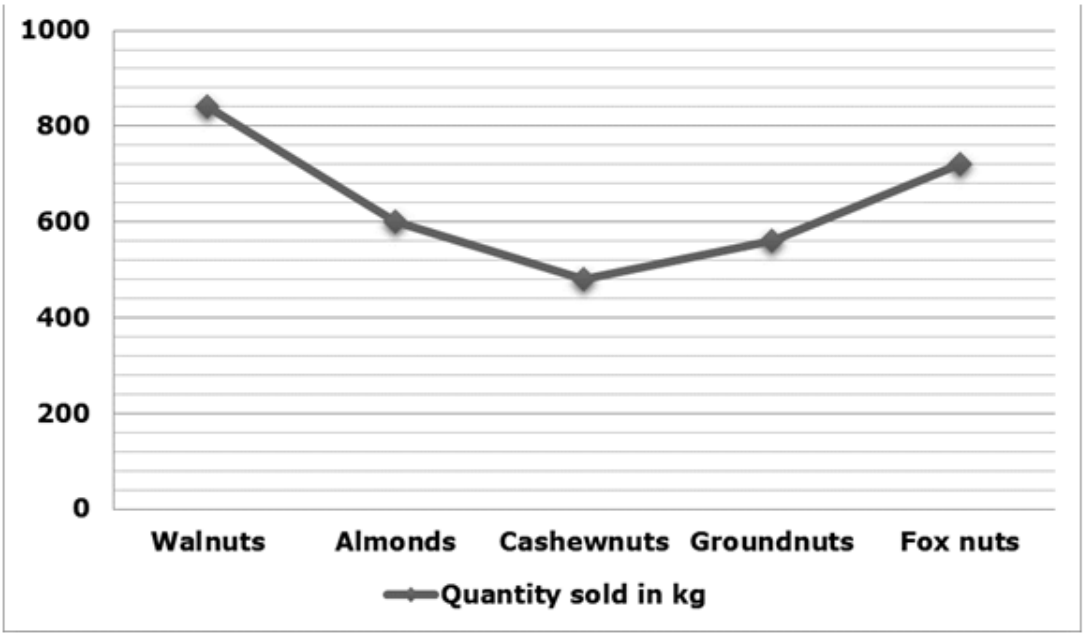
a) 10
b) 8
c) 11
d) 15
e) None of these

70) The perimeter of the rectangle is 120 cm and the ratio of the length to the breadth of the rectangle is 7:8. Find the area of the rectangle?

a) 336 cm^2
b) 420 cm^2
c) 560 cm^2
d) 896 cm^2
e) None of these

Directions (71-75): Read the following information carefully and answer the questions.

The given line graph shows the quantity of five different nuts namely walnuts, almonds, cashew nuts, groundnuts and fox nuts sold in kg.



71) If the price of walnuts and cashew nuts sold is Rs.100 per kg and Rs.150 per kg respectively, then find the total revenue generated by selling walnuts and cashew nuts.

a) Rs.156000
b) Rs.160000
c) Rs.184000
d) Rs.172000
e) None of these

72) Find the difference between the total quantity of almonds and cashew nuts sold and the quantity of fox nuts sold.

a) 380 kg
b) 240 kg
c) 360 kg
d) 480 kg
e) None of these

73) Find the ratio of the quantity of almonds sold to the sum of total quantity of cashew nuts and fox nuts sold.

a) 5:6
b) 4:3
c) 3:2
d) 7:5
e) 1:2

74) Find the average of the quantities of almonds, cashew nuts and fox nuts.

a) 450
b) 540
c) 640
d) 600
e) None of these

75) The quantity of walnuts and cashew nuts sold is what percentage of the quantity of almonds sold?

a) 100%
b) 125%
c) 220%
d) 150%
e) None of these

76) A invested Rs.x in SI at 8% rate of interest per annum for 10 years. B invested the same amount in SI at 5% rate of interest per annum for 6 years and the difference between the interest obtained by A and B is Rs.1000. Find the amount invested by B.

a) Rs.2400
b) Rs.2000
c) Rs.1500
d) Rs.1800
e) None of these

77) A train crosses a moving man travelling in the opposite direction with a speed of x m/s in 15 seconds and the train crosses a pole in 18 seconds. Find the speed of the man, if the length of the train is 450 m.

a) 8 m/s
b) 2 m/s
c) 6 m/s
d) 5 m/s

e) None of these

78) The average of five numbers is 32 and the average of last three numbers is 40 and the ratio of the 1st and 2nd number is 3:5. Find the difference between first and second number.

a) 18
b) 10
c) 25
d) 20
e) None of these

79) A and B together can complete a work in 12 days. A alone can complete the work in 20 days. If the total wages obtained by A and B together is Rs.5000, then find the wages obtained by A alone.

a) Rs.3000
b) Rs.2000
c) Rs.2400
d) Rs.3600
e) None of these

80) A shopkeeper sold a book at a loss of 10%. If he had sold the same book at a profit of 20%, then he would have earned Rs.150 more. Find the cost price of the book?

a) Rs.700
b) Rs.450
c) Rs.500
d) Rs.320
e) None of these

Answer With Explanation

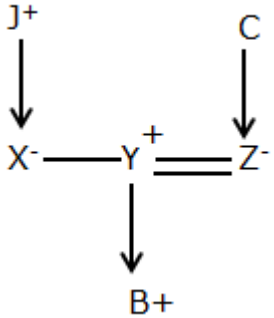
Directions (1-5):

1) Answer: D
2) Answer: A
3) Answer: B
4) Answer: C
5) Answer: D

Final arrangement:

Floor	Name
7	F
6	B
5	E
4	G
3	A
2	D
1	C

Direction (6-8):



6) Answer: E

7) Answer: D

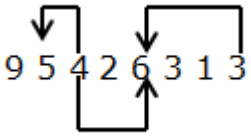
8) Answer: E

9) Answer: D

Q U A L I T Y

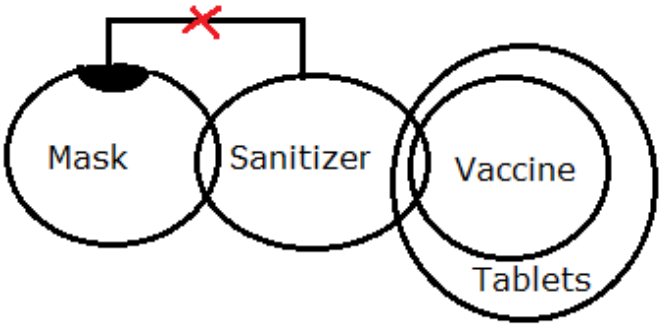
R T Z M H U Z

10) Answer: c



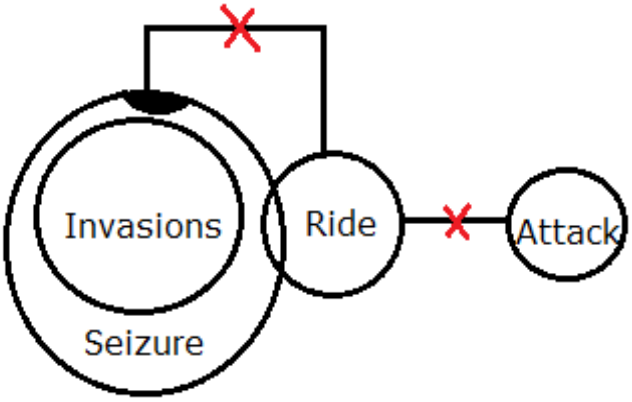
11) Answer: A

Explanation

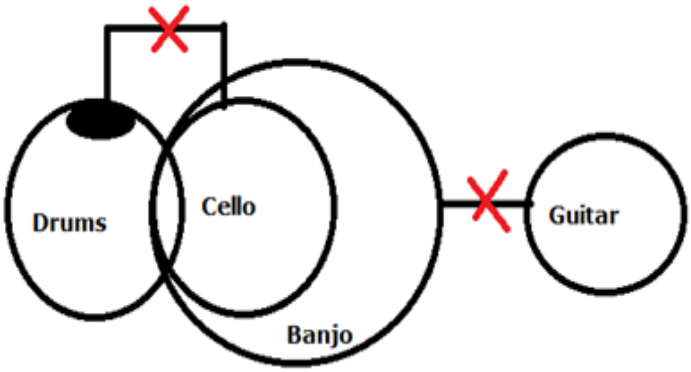


12) Answer: C

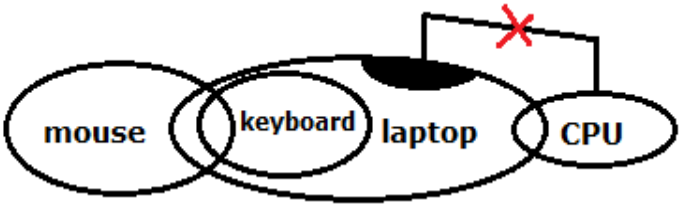
Explanation



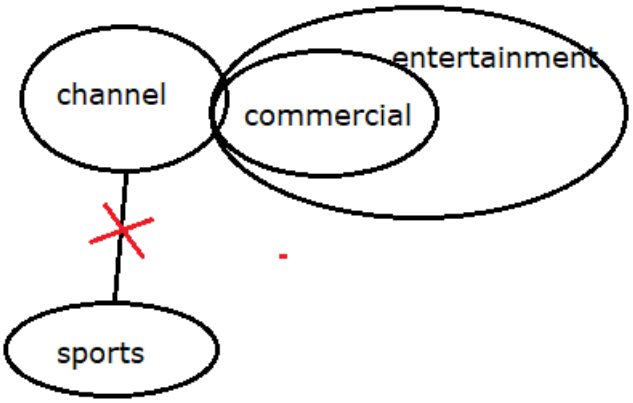
13) Answer: D



14) Answer: C



15) Answer: A



Directions (16-20):

16) Answer: B

17) Answer: E

(The first person was born immediately before the second person, except in option e)

18) Answer: A

19) Answer: B

20) Answer: C

Final arrangement:

Month	Date	Name

September	11	R
	22	B
October	11	S
	22	C
November	11	Q
	22	A

Direction (21-25):

21) Answer: B

5+9=14

22) Answer: C

A @ $ Z 5 6 E 7 ! © K 5 + L 9 O * G 3 U % P J £ D H %

These are the vowels that are immediately followed by a symbol are A @, O *, and U %

23) Answer: E (Only two elements are there between both elements except option e)

24) Answer: B

A @ $ Z 5 6 E 7 ! © K 5 + L 9 O * G 3 U % P J £ D H %

The consonants that are immediately preceded by another consonant and immediately followed by a symbol are P J £ and D H %.

25) Answer: C

A @ $ Z 5 6 E 7 ! © K 5 + L 9 O * G 3 U % P J £ D H %

26) Answer: A

I. X > T(X ≥ Q > O ≥ T) →True

II. T ≤ X(X ≥ Q > O ≥ T) →False

27) Answer: E

I. R < W (R ≤ S = T < Q ≥ W) → False

II. T > X (T < Q ≥ W > Y ≥ X) → False

28) Answer: E

I. M ≤ G (M ≤ R < O ≤ D ≤ G) → False

II. O ≥ K (O ≤ D ≤ G = J ≥ K) → False

29) Answer: A

Z ≥ E < F ≤ O ≥ K > M ≥ L

II. L < O (true)

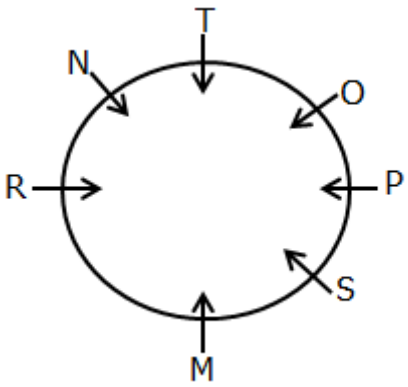
II. Z > M (false)

30) Answer: C

I) T > Q (Q = R ≤ S ≤ T) False

II) T = Q (Q = R ≤ S ≤ T) False

Direction (31-35):



31) Answer: C

32) Answer: E

33) Answer: B

34) Answer: A

35) Answer: E

36) Answer: A (AOW-LOW)

37) Answer: E

38) Answer: C

39) Answer: B

40) Answer: A

57935861426

73812

41) Answer: A

183 + 35 = 218

218 + 30 = 248

248 + 35 = 283

283 + 30 = 313

313 + 35 = 348

42) Answer: C

1211 + 31 = 1242

1242 + 31 = 1273

1273 + 31 = 1304

1304 + 31 = 1335

1335 + 31 = 1366

43) Answer: B

6 * 1 = 6

6 * 2 = 12

12 * 3 = 36

36 * 4 = 144

144 * 5 = 720

44) Answer: E

0.5 * 2 = 1

1 * 3 = 3

3 * 5 = 15

15 * 7 = 105

105 * 11 = 1155

45) Answer: D

35 + 5 = 40

40 + 15 = 55

55 + 25 = 80

80 + 35 = 115

115 + 45 = 160

46) Answer: D

$\sqrt[3]{1728} + \sqrt{256} * 10 = ? * 2$

12 + 16 * 10 = ? * 2

172 = ? * 2

? = 86

47) Answer: B

45/100 * 200 + 280 = ? + 13 * 5

90 + 280 = ? + 65

? = 370 – 65 = 305

48) Answer: D

6 (3/2) + 4 (1/4) – 3/4 = ?

15/2 + 17/4 – 3/4 = ?

(30 + 17 – 3)/4 = ?

44/4 = ?

? = 11

49) Answer: E

$\sqrt{900} + \sqrt{1600} + 16 * 4 = ?$

30 + 40 + 64 = ?

? = 134

50) Answer: A

$81 * 9^4 * 3^6 \div 3^9 = 3^{? * 3}$

$3^4 * 3^8 * 3^6 \div 3^9 = 3^{? * 3}$

$3^9 = 3^{? * 3}$

? * 3 = 9

? = 3

51) Answer: D

16 * 15 ÷ 8 ÷ 3 = ? ÷ 2

10 = ? ÷ 2

? = 20

52) Answer: B

5/6 * 360 + 8/9 * 270 + 360 = ?

300 + 240 + 360 = ?

? = 900

53) Answer: C

?/100 * 600 + 150 * 3 = 12 * 80

6 * ? + 450 = 960

6 * ? = 510

? = 85

54) Answer: A

$?^2 - \sqrt{(12^2 – 6^2 + 13)} = 25$

$?^2 - \sqrt{(144 – 36 + 13)} = 25$

$?^2 - \sqrt{121} = 25$

$?^2 - 11 = 25$

$?^2 = 36$

$? = 6$

55) Answer: E

$5^3 + 15^2 = ? - 20^2$

$125 + 225 = ? - 400$

$? = 750$

56) Answer: B

$\sqrt{676} * 5 + 110 = ?^2 + 15$

$26 * 5 + 110 = ?^2 + 15$

$?^2 = 130 + 110 - 15$

$?^2 = 225$

$?^2 = 15^2$

$? = 15$

57) Answer: A

12.05% of $400 + 120 \div 4 - ? = 50$

$12 * 400/100 + 30 - ? = 50$

$? = 48 + 30 - 50$

$? = 28$

58) Answer: D

$2(1/5) + 1(1/10) + ? = 3(1/5) + 4(1/5)$

$2(2/10) + 1(1/10) + ? = 3(2/10) + 4(2/10)$

$3(3/10) + ? = 7(4/10)$

$? = 4(1/10)$

59) Answer: C

$30 \div 5 + 12 * 10 - \sqrt{?} = 11^2$

$6 + 120 - 121 = \sqrt{?}$

$\sqrt{?} = 126 - 121$

$\sqrt{?} = 5$

$? = 25$

60) Answer: E

$(310 - 80 - \sqrt{900}) \div ? = 25$

$(310 - 80 - 30) = 25 * ?$

$? = 200/25$

$? = 8$

61) Answer: A

The quantity of sunflowers sold in January and March together = 150 + 50 = 200

Required ratio = 200:100 = 2:1

62) Answer: B

The total quantity of roses sold in January and February together = 110 + 75 = 185

Required difference = 185 – 100 = 85

63) Answer: A

The quantity of roses sold in April = 75 * 4/5 = 60

Required percentage = 60/80 * 100 = 75%

64) Answer: D

The total quantity of sunflower and lilies sold in March = 50 + 70 = 120

Required difference = 150 – 120 = 30

65) Answer: C

The quantity of marigold sold in February = 105 * 2 – 90 = 210 – 90 = 120

Required ratio = 120:120 = 1:1

66) Answer: A

The upstream speed of the boat = 8 km/hr

The downstream speed of the boat = 64/4 = 16 km/hr

The speed of the boat in still water = (16 + 8)/2 = 24/2 = 12 km/hr

67) Answer: A

The quantity of milk in the initial mixture = 180 * 5/(5 + 4) = 180 * 5/9 = 100 liters

The quantity of water in the initial mixture = 180 – 100 = 80 liters

The ratio of milk to water in the final mixture = (100 + 20) : 80 = 120:80 = 3:2

68) Answer: B

Let the present age of A = 4x

And the present age of B = 5x

(5x + 4) – (4x + 6) = 8

x – 2 = 8

x = 10

The present age of A = 4 * 10 = 40 years

The present age of B = 5 * 10 = 50 years

Required total = 40 + 50 = 90 years

69) Answer: C

Let the number y = a

And the number x = a + 4

$(a + 4)^2 – a^2 = 72$

$a^2 + 16 + 8a – a^2 = 72$

8a = 72 – 16

a = 56/8

a = 7

The number x = 7 + 4 = 11

70) Answer: D

2 * (7x + 8x) = 120

15x = 60

x = 4

The length of the rectangle = 7 * 4 = 28 cm

The breadth of the rectangle = 8 * 4 = 32 cm

The area of the rectangle = 28 * 32 = 896 cm^2

71) Answer: A

Revenue obtained by selling walnuts = 840 * 100 = Rs.84000

Revenue obtained by selling cashew nuts = 480 * 150 = Rs.72000

Total revenue generated = 84000 + 72000 = Rs.156000

72) Answer: C

Required difference = (600 + 480) – 720 = 360 kg

73) Answer: E

Required ratio = 600:(480 + 720) = 600 : 1200 = 1:2

74) Answer: D

Required average = (600 + 480 + 720)/3 = 1800/3 = 600

75) Answer: C

Required percentage = 1320/600 * 100 = 220%

76) Answer: B

x * 8 * 10/100 – x * 5 * 6/100 = 1000

80x/100 – 30x/100 = 1000

50x/100 = 1000

x = Rs.2000

77) Answer: D

Speed of the train = 450/18 = 25 m/s

450/(25 + x) = 15

30 = 25 + x

x = 5 m/s

78) Answer: B

Smallest number = 3x

Largest number = 5x

Sum of the 1st and 2nd number = 5 * 32 – 3 * 40 = 160 – 120 = 40

3x + 5x = 40

8x = 40

x = 5

Difference = 5x-3x = 2x = 2*5 =10

79) Answer: A

1/A + 1/B = 1/12

1/20 + 1/B = 1/12

1/B = 1/12 – 1/20 = (5 – 3)/60 = 2/60 = 1/30 = 30 days

Ratio of the efficiency of A and B = 1/20 : 1/30 = 3:2

Wages obtained by A = 5000 * 3/5 = Rs.3000

80) Answer: C

Let the cost price of the book = x

x * 120/100 – x * 90/100 = 150

120x - 90x = 150 * 100

x = 150 * 100/30

x = 500

The cost price of the book = Rs.500