Expected Inequality Questions for Upcoming Bank Mains Exam

Inequality

Directions (1-5): Study the following information and answer the question:

a) Only I follows

b) Only III follows

c) Either II or III and I follows

d) Either I or III follows

e) Either I or III and II follows

1. Statement:

P≥V=S<B≤K;   K=R<L≥H<C≤T

Conclusion:

I. P≥R

II. S<H

III. R>P

2. Statement:

U<S=R≥Q>P; S>K>H; K<L≤M>N

Conclusion:

I.   P<K

II.   Q≤M

III.   M>H

3. Statement:

D>C≥B<A; X≤U<S=L; C<U<L

Conclusion:

I. B<S

II. A≥S

III. S>A

4. Statement:

2<6≥9<5; 7<3=8≥6; 1>3>4

Conclusion:

I. 5>8

II. 2<4

III. 1>9

5. Statement:

E≤I<R≤Q=S; M=H≥Y<O=R<T; X=D≤Q>F

Conclusion:

I. H≤X

II. E<S

III. X<H

Directions (6 - 10): Study the following information and answer the question:

a) Only III follows

b) Only I follows

c) Only I and either II or III follows

Expected Inequality Questions for Upcoming Bank Mains Exam

d) None follows

e) Both II and III follows

6. Statement:

@≥$>#≤₩; €>£=$≥!<%; &≤!≤¥>?

Conclusion:

I. %>&

II. $>@

III. ¥≥£

7. Statement:

G<R≤P=Y>T; X>Q≤P>Z; U≤L≥Q>N=S

Conclusion:

I. R<L

II. G<T

III. S<P

8. Statement:

M≤Q<T=F≥H;   I≤Y>X=T<N; S≥L≥Y≤R<K

Conclusion:

I. K≥I

II. M<K

III. S>H

9. Statement:

D≥G>J≤O=V; C<E≤J>Z; R>E=B<A

Conclusion:

I. D>C

II. R≤O

III. O<R

10. Statement:

S=N≤R>P<Q; F<M<P=T≤Y;   H<T<R≥X

Conclusion:

I. H≥P

II. T<H

III. F<S

Directions (11 - 15): Study the following information and answer the question:

a) Only II follows

b) Only I and either II or III follows

c) Both I and III follows

d) None follows

e) Either II or III follows

11. Statement:

L≥K>H=N>A≤V; R≥D=N≤O≥I

Conclusion:

I. L>A

II. R>H

III. R=H

12. Statement:

R>Q>P>I=T; L<M≤U; U>P≥F=B

Conclusion:

I. T<F

II. U≥B

III. R>L

13. Statement:

U>S≥T>W<I; E>S≥Q>R; A=L>E≥Y>X

Conclusion:

Expected Inequality Questions for Upcoming Bank Mains Exam

I. R<Y

II. W≤A

III. A<W

14. Statement:

J≥H=G>L>P<A; E<Y≤Q<B≤U; M>N<H=W≥Q

Conclusion:

I. E<J

II. U>L

III. Y≤G

15. Statement:

B≥A≥C≥D; Q≤C≥P; W=B>E

Conclusion:

I. Q<E

II. D≤W

III. P≤D

Directions (16 - 20): Study the following information and answer the question:

a) Only I follows

b) Only II follows

c) Both I and II follows

d) Only I and either II or III follows

e) Either II or III follows

16. Statement:

C<D<E>H≤L=K≤O;   P>T=I≤H≥M

Conclusion:

I. O≥I

II. M≥T

III. P>M

17. Statement:

Q<R<W≤V≥T; M=W<A<B≥U≥E

Conclusion:

I. M<B

II. V>Q

III. Q<U

18. Statement:

F>G≥J≤M=N; Q≤Y<X>Z=M; X<P

Conclusion:

I. N<P

II. Q≤Z

III. Z>Q

19. Statement:

O=P≤D<H>Z;   X>M≥U=P<E; U=B<I

Conclusion:

I. X>O

II. E>I

III. H<O

20. Statement:

N≥E>M=V>L≤P; W≥D=V≤T≥R

Conclusion:

I. N≥R

II. W≥M

III. P<N

Directions (21 - 25): Study the following information and answer the question:

Expected Inequality Questions for Upcoming Bank Mains Exam

A%B means "A is either smaller than or equal to B"

A@B means "A is smaller than B"

A&B means "A is equal to B"

A$B means "A is either greater than or equal to B"

A*B means "A is greater than B"

    a) Only I follows

    b) Only III follows

    c) Only III and either I or II follows

    d) Either I or II follows

    e) All follows

21. **Statement:**

    M*N$P; Q&R@P; N%T

    Conclusion:

        I. R*N

        II. T$M

        III. Q@T

22. **Statement:**

    G*H$I; I@J&K; K@L%M

    Conclusion:

        I. G*J

        II. J$G

        III. I@M

23. **Statement:**

    B@D, D*E, E$F, F&G, G*H

    Conclusion:

        I. G@D

        II. E$H

    III. F@B

24. **Statement:**

    K&L, L*M, M$N, N@O, O%P, P*Q

    Conclusion:

        I. N@Q

        II. M*Q

        III. L*N

25. **Statement:**

    Q$R@S; S%T@U; U&V*W

    Conclusion:

        I. W@U

        II. T*R

        III. S@V

Directions (26 - 30): Study the following information and answer the question:

A×B means "A is either smaller than or equal to B"

A-B means "A is smaller than B"

A#B means "A is equal to B"

A÷B means "A is either greater than or equal to B"

A+B means "A is greater than B"

    a) Both II and III follows

    b) Only III follows

    c) Both I and III follows

    d) Only I and either II or III follows

    e) All follows

26. **Statement:**

    J+K, O×P, N#O, M-N, L×M, K÷L

Expected Inequality Questions for Upcoming Bank Mains Exam

Conclusion:

I. J-M

II. P÷L

III. N+L

27. Statement:

A#B, C×D, B-C, E+F, F÷G, D÷E

Conclusion:

I. D+A

II. E×C

III. G-D

28. Statement:

M×N, O÷P, P#Q, R÷S, Q+R, N÷O

Conclusion:

I. S-P

II. M×Q

III. Q-M

29. Statement:

T-U÷V; V#W+Y; Y×Z#L

Conclusion:

I. T+Z

II. Y-U

III. L÷Y

30. Statement:

G-H×I; I#J+K; K÷L#M

Conclusion:

I. J÷H

II. M-I

III. J+L

Directions (31 - 35): Study the following information and answer the question:

A!B means "A is neither smaller than nor equal to B"

A&B means "A is not smaller than B"

A%B means "A is neither smaller than nor greater than B"

A^B means "A is neither greater than nor equal to B"

A#B means "A is not greater than B"

a) Only I follows

b) Only II follows

c) Only III and either a or b

d) Either II or III or I follows

e) None follows

31. Statement:

M&H!O; B!A%L#X%O

Conclusion:

I. M!A

II. M%A

III. H#B

32. Statement:

M^A%L#I; Y%X&I; H&O!M

Conclusion:

I. A^Y

II. A%Y

III. Y!M

33. Statement:

Expected Inequality Questions for Upcoming Bank Mains Exam

T%U&V; V!X&N; E#O^M#N

Conclusion:

    I. E!U

    II. E#U

    III. V^E

34. Statement:

O%H&M#B#A; O#X^Y

Conclusion:

    I. A!Y

    II. A^Y

    III. A%Y

35. Statement:

L&Y; X%N#M^O; O^H%Y

Conclusion:

    I. L!X

    II. X!O

    III. L&N

Directions (36 - 40): Study the following information and answer the question:

A€B means "A is neither smaller than nor equal to B"

A&B means "A is not smaller than B"

A¥B means "A is neither smaller than nor greater than B"

A₩B means "A is neither greater than nor equal to B"

A$B means "A is not greater than B"

    a) Only II follows

    b) Both I and II follows

    c) Either I or II follows

    d) All follows

    e) None follows

36. Statement:

  A€C&D$Y;   Y₩B¥Z&X

Conclusion:

    I. Z€Y

    II. D₩A

    III. B&X

37. Statement:

  E$F₩G$H; H&T₩U¥V

Conclusion:

    I. H€E

    II. T₩V

    III. E¥H

38. Statement:

  I¥J&K;   K€L$Q₩R¥S

Conclusion:

    I. I&R

    II. I₩R

    III. L€I

39. Statement:

  M$N₩O€P¥Q; Q€R&S₩T

Conclusion:

    I. M₩Q

    II. P€S

    III. N₩R

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Expected Inequality Questions for Upcoming Bank Mains Exam

40. Statement:

G¥H$I₩J; J¥K&L¥M&N

Conclusion:

    I. M$K

    II. J€G

    III. L₩I

Directions (41 - 42): Study the following information and answer the question:

41. If "+" means subtraction, "-" means division, "×" means addition and "÷" means multiplication, then 20÷4-8×2÷3 is

    a) 2

    b) 1

    c) 15

    d) 16

    e) None of the above

42. If "+" and "-" are interchanged, then which of the following is false?

    a) 4-3+2=5

    b) 9+6-7=10

    c) 2-2+3=1

    d) 4-1+3=2

    e) All are true

(43-44): Find the appropriate statement for the given conclusion

43. Conclusion: A>D, E≤B

    a) A>B≥D<C<E

    b) A>C≥D<E<B

    c) A<B=D≤C≤E

    d) A>B≥D≥E<C

    e) None of these

44. Conclusion: U>Z, V<Y

    a) X≥U>Y≥V<Z

    b) U>Y>Z≤X<V

    c) U>Y≥Z>X≥V

    d) Y<Z<V<U≥X

    e) Both c and d

45. Which of the following expressions is true, if A≥D>C<B=E≥F?

    a) F<B

    b) A>B

    c) A>C

    d) A≥C

    e) E<C

46. If the expression R<Y≤H>Q, H≤Z and Y<K are true, which of the following

    Conclusion will be definitely false?

    a) R<K

    b) Y≤Z

    c) R>Q

    d) R>H

    e) None of these

(47-48): Which of the following symbols should replace the question mark

47. If T<S, K>Q are true, K>S≥V?Y≥T?Q=V

    a) ≥, =

    b) >, ≤

c) ≥, >

d) ≤, >

e) Either a or c

48. If Q≥F, N>R are true, Q≥T=R?X≤F<N

a) >

b) ≥

c) ≤

d) Either a or b

e) =

(49-50): Which of the should be placed in the blank spaces respectively (from left to right)?

49. If Q<R is true, then __<__≤ __>__

a) QTSR

b) TQSR

c) RTQS

d) STRQ

e) None of the above

50. If E>U is definitely true, then E__R__N__U__M

a) >, =, ≤, =

b) <, >, =, ≥

c) ≥, >, =, >

d) ≥, =, ≥, <

e) None of the above

Answer with Explanation

1. d

I. False   P≥R
II. False
III. False   R>P   so either I or III follows

2. b

I. False
II. False
III. True   M>H

3. c

I. True   B<S
II. False   A≥S
III. False   A<S   so either II or III and I follows

4. b

I. False
II. False
III. True   1>9

5. e

I. False   H≤X
II. True   E<S
III. False   H>X   so either I or III and II follows

6. b

I. True   %>&
II. False
III. False

7. a

I. False
II. False
III. True   S<P

8. e

I. FALSE
II. TRUE   M<K
III. TRUE   S>H

9. c

I. TRUE   D>C
II. FALSE   R≤O

Expected Inequality Questions for Upcoming Bank Mains Exam

III.   FALSE   O<R   So either II or III and I
          follows

10. d

I.   FALSE
II.   FALSE
III.   FALSE

11. b

I.   True   L>A
II.   False R>H   Here statement
          (R≥H=N=D)
III.   False R=H   So either II or III and I
          follows

12. d

I.   False
II.   False
III.   False

13. e

I.   False
II.   False W ≤ A
III.   False A<W   so either II or III follows

14. c

I.   True E<J
II.   False
III.   True Y≤G   so both I and III follows

15. a

I.   False
II.   True   D≤W
III.   False

16. a

I.   True O≥J
II.   False
III.   False

17. c

I.   True M<B
II.   True V>Q
III.   False

18. a

I.   True N<P
II.   False Q≤Z

III.   False Z>Q so I follows

19. a

I.   True X>O
II.   False
III.   False

20. b

I.   False
II.   True W≥M
III.   False

21. b

I.   False
II.   False
III.   True   Q<T

22. c

I.   False   G>J
II.   False   J≥G
III.   True   I<M   so either I or II and III
          follows

23. a

I.   True G<D
II.   False
III.   False

24. b

I.   False
II.   False
III.   True L>N

25. e

I.   True W<U
II.   True   T>R
III.   True   S<V

26. b

I.   False
II.   False
III.   True N>L

27. c

I.   True   D>A
II.   False
III.   True   G<D

28. d

Expected Inequality Questions for Upcoming Bank Mains Exam

I.   True S<P
II.   False M≤Q
III.   False Q<M so I and Either II or III
        follows

29. a

I.   False
II.   True Y<U
III.   True L≥Y

30. e

I.   True J≥H
II.   True M<I
III.   True J>L

31. a

I.   True M>A
II.   False
III.   False

32. c

I.   False A<Y   Here A≤Y
II.   False A=Y
III.   True   Y>M so either I or II and III
        follows

33. e

I.   False
II.   False
III.   False

34. d

I.   False A>Y
II.   False A<Y
III.   False A=Y   Here all the three
        inequalities are compared.so it should be
                 Either I or II or III follows

35. a

I.   True   L>X
II.   False
III.   False

36. d

I.   True   Z>Y
II.   True   P<A
III.   True   B≥X

37. b

I.   True   H>E
II.   True   T<V
III.   False

38. c

I.   False I≥R
II.   False I<R
III.   False   so either I or II follows

39. a

I.   False
II.   True P>S
III.   False

40. b

I.   True   M≤K
II.   True   J>K
III.   False

41. d . 20×4÷8+2×3=16

42. e

4+3-2=5

9-6+7=10

2+2-3=1

4+1-3=2

Hence all are true

43. d

A>B≥D (A>D), E≤D≤B (E≤B)

44. c

U>Y≥Z (U>Z), Y≥Z>X≥V (V<Y)

45. c

R<Y≤H(R>H is definitely false)

46. d   C<B=E(E>C)

47. e

K>S≥V≥Y≥T>Q=V (T<S, K>Q)

Expected Inequality Questions for Upcoming Bank Mains Exam

K>S≥V≥Y≥T=Q=V (T<S, K>Q)

48. e

Q≥F, N>R (Q≥T=R=X≤F<N)

49. d

S<T≤R>Q (Q<R)

50. c

E≥R>N=U≥M (E>U)

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Expected Input Output Box Type New pattern for Bank Mains Exam

Input Output Box type Newpattern

Directions (1-5): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

B6H	K9I	P3R
D5K		V5S
F4T	G1X	M6Y

Step 1:

Replace the letters with their immediate following letter in the alphabetical series and increase the number by 2.

Expected Input Output Box Type New pattern for Bank Mains Exam

C8I	L11J	Q5S
E7L		W7T
G6U	H3Y	N8Z

For step 2:

(i) If element contains even number then subtract 2 from the number and exchange the position of the letters after replacing each by their immediate preceding letter in the alphabetical series

(ii) If element contains odd number then add 4 in the number and replace each letters by their immediate followed letter in the alphabetical series.

Step-2:

H6B	M15K	R9T
F11M		X11U
T4F	I7Z	Y6M

For step 3: Step 3 is coded in some special pattern.

Step 3:

8F2	13O11	18I20
6K13		24K21
20D6	9G26	25F13

Expected Input Output Box Type New pattern for Bank Mains Exam

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions:

S5R	K8U	K8H
L8Q		V5S
Z1E	V6H	X4Z

1. Which among the following element appears in the 2nd column of 1st row in step 3?

a. 21K20

b. 21H11

c. 8H11

d. 17H12

e. None of these

2. Which element appears in the 3rd row of 2nd column in step 2 ?

   a. U11T

   b. U8K

   c. Q18L

   d. B7G

   e. H6V

3. Which element appears in the 3rd column of 1st row in step 1?

Expected Input Output Box Type New pattern for Bank Mains Exam

a. T7S

b. L10V

c. L10I

d. M10R

e. W7T

4. Which element appears in the 3rd column of 2nd row in step 3?

a. 17R12

b. 24K21

c. 2G7

d. 8F22

e. 26D24

5. Which among the following element appears in the 3rd row of 3rd column in step 3?

a. 21H11

b. 8H11

c. 24K21

d. 8F22

e. 26D24

Directions (6-10): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

Expected Input Output Box Type New pattern for Bank Mains Exam

K8L	D5G	X4S
F5M		A9W
G8J	E3Q	D4E

Replace the letters with their immediate preceding letter in the alphabetical series and decrease the number by 1.

Step 1:

J7K	C4F	W3R
E4L		Z8V
F7I	D2P	C3D

For step 2:

(i) If element contains even number then Add 2 in the number and exchange the position of the letters after replacing each by their immediate followed letter in the alphabetical series

(ii) If element contains odd number then subtract 2 from the number and exchange the place of letters.

Expected Input Output Box Type New pattern for Bank Mains Exam

Step-2:

K5J	G6D	R1W
M6F		W10A
I5F	Q4E	D1C

For step 3: Step 3 is coded in some special pattern.

Step 3:

ELK	FHE	ASX
FNG		JXB
EJG	DRF	AED

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions:

F5R	H6U	K8N
S6D		H7R
V3D	N7F	P9O

6. Which among the following element appears in the 2nd column of 3RD row in step 2?

a. D3S

b. R8H

c. D4V

d. M10P

Expected Input Output Box Type New pattern for Bank Mains Exam

e. None of these

7.Which element appears in the 1strow of 2nd column in step 3?

a. FSG

b. CUH

c. ENH

d. CET

e. HSI

8.Which element appears in the 1st column of 2nd row in step 2?

a. R6F

b. T3G

c. M5J

d. C3R

e. R8H

9.Which element appears in the 3rd column of 3rd row in step 3?

a. FSG

b. CUH

c. JPQ

d. CET

e. HSI

Expected Input Output Box Type New pattern for Bank Mains Exam

10.Which among the following element appears in the 1st row of 3rd column in step 3?

a. FSG

b. CUH

c. JNQ

d. ENK

e. HSI

Direction (11-15): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

P5M	I7J	R4S
B3A	✳	I3A
R6K	H6I	B8D

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

B8D	H6I	R6K
I3A		B3A
R4S	I7J	P5M

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

Expected Input Output Box Type New pattern for Bank Mains Exam

(ii) Find the sum in each cell by adding numbers associated with each alphabet and the number present in cell.

(iii) If the sum is a multiple of 2, then in the cell, increase the first alphabet by 1, decrease the second alphabet by 1 and decrease the number by 1.

(iv) If the sum is a multiple of 3, then in the cell, increase both the alphabets by 1 and increase the number by 1.

(v) If number is both the multiple of 2 and 3 or is neither a multiple of 2 nor 3, then in the cell, exchange the position of first and second alphabet and don't make any change in number.

STEP 2:

C7C	I6H	K6R
A3I		A3B
S4R	J6I	Q4L

For Step-3: It is coded in some special pattern

24G24	18F19	16F9
26C18		26C25
8D9	17F18	10D15

As per the rules followed in the above step, find out the appropriate steps for the given input. And answer the following questions.

Expected Input Output Box Type New pattern for Bank Mains Exam

F5R	K7G	H7T
L9V		K8H
D5S	V6D	L3E

11. Which element is present in of 2nd column and 3rd row in step 3?

a.23H14

b.23E5

c.14B5

d.20G16

e. None of these

12. Which element is present at rightmost top corner in step 2?

a.   M2D

b.   V9L

c.   E4R

d.   G7K

e.   T7H

13. Which element appears in the 3rd column of 3rd row in step 3?

a.23H14

b.23E5

Expected Input Output Box Type New pattern for Bank Mains Exam

c.14B5

d.6K5

e.9E21

14. Which element appears in the 1ˢᵗ column of 2ⁿᵈ row in step 2?

a.   D8M

b.   D5N

c.   L9I

d.   E12Z

e.   G6V

**15. Which of the following is not a corner element in step 3?**

a.14B23

b.22D9

c.4E24

d.7G19

e.9E21

Expected Input Output Box Type New pattern for Bank Mains Exam

Direction (16-20): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

ER4	TH6	SD4
DS3		TD7
HD5	CV7	NG8

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

NG8	CV7	HD5
TD7		DS3
SD4	TH6	ER4

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the sum in each cell by adding numbers associated with each alphabet and the number present in cell.

(iii)If the sum is an even number, then in the cell, replace the first alphabet by its succeeding letter, do not change second alphabet and increase the number by 2.

(iv)If the sum is an odd number, then in the cell, replace both the alphabets by its succeeding letter and decrease the number by 2.

Expected Input Output Box Type New pattern for Bank Mains Exam

OH6	DV9	IE3
UE5		ES5
TE2	UH8	FS2

For Step-3: It is coded in some special pattern

OGF	CUI	IEC
UEE		ERE
SEB	UGH	ERB

As per the rules followed in the above step, find out the appropriate steps for the given input. And answer the following questions.

GD5	GH7	MN8
ER4		LK9
AS2	IU7	PO4

16. Which element is present in of 1st column and 3rd row in step 3?

a. NLJ

b. GTA

c. OPH

d. MOF

e. MNG

Expected Input Output Box Type New pattern for Bank Mains Exam

17. Which element is present at rightmost bottom corner in step 2?

a. MK11

b. FS2

c. NO6

d. HH9

e. HD7

18. Which element appears in the 1st row of 3rd column in step 3?

a. NLJ

b. ARD

c. ERB

d. GCG

e. None of these

19. What is sum of numbers present in rightmost bottom corner and leftmost upper corner in step 2?

a. 8

b. 10

c. 9

d. 11

e. 7

Expected Input Output Box Type New pattern for Bank Mains Exam

20. Which of the following is not a corner element in step 3?

a. POB

b. IUE

c. ARD

d. MOF

e. GCG

Directions (21-25): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

D5R	O9J	F6G
M4V		L5T
C4X	L2W	K8H

Replace the letters with their immediate previous letter in the alphabetical series and increase the number by 3.

Step 1:

C8Q	N12I	E9F
L7U		K8S
B7W	K5V	J11G

Expected Input Output Box Type New pattern for Bank Mains Exam

For step 2:

(i) If element contains prime number then subtract 1 from the number and replace alphabet each by their immediate preceding letter in the alphabetical series.

(ii) If element contains non-prime number then add 2 to the number and replace each letters by their immediate followed letter in the alphabetical series.

Step-2:

D10R	O14J	F11G
K6T		L10T
A6V	J4U	I10F

For step 3: Step 3 is coded in some special pattern.

Step 3:

ILW	QPL	TMU
GHP		GLO
EHZ	FFQ	ULR

Expected Input Output Box Type New pattern for Bank Mains Exam

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions:

V6F	U3Q	L8I
L9H		B7T
L8Y	W4E	C5R

21. Which among the following element appears in the 1st row of 3rd column in step 3?

a. UME

b. JJF

c. TLQ

d. SPO

e. GNY

22. Which element appears in the 2nd row of 2nd column in step 2 ?

a. V11F

b. U8Q

c. L14H

d. J10W

e. None of these

23. Which element appears in the left side lower most corner in step 3?

Expected Input Output Box Type New pattern for Bank Mains Exam

a. UME

b. JJF

c. SPO

d. DLQ

e. XHF

24. Which element appears in the right side uppermost corner in step 1?

a. T6P

b. K11H

c. A10S

d. V7D

e. B8Q

25. Which among the following element appears behind of JJF step 3?

a. TLQ

b. GNY

c. XHF

d. ILX

e. None of these

Expected Input Output Box Type New pattern for Bank Mains Exam

Direction (26-30): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

V5D	G7T	N9M
M8R	✳	K3S
V6A	Z4X	L9H

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

L9H	Z4X	V6A
K3S		M8R
N9M	G7T	V5D

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the sum of associate number of alphabet in each cell.

(iii) If the sum is an even number , then in the cell, increase the first alphabet by 1, decrease second alphabet by 1 and increase the number by 1.

(iv) If the sum is an odd number, then in the cell, decrease both the alphabets by 1 and decrease the number by 2.

Expected Input Output Box Type New pattern for Bank Mains Exam

M10G	A5W	U4Z
L4R		L6Q
M7L	F5S	W6C

For Step-3: It is coded in some special pattern.

10	19	43
26		23
18	20	20

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions:

F8H	R4E	B8X
K4S		L9A
R7G	K6F	Z4S

26. What is sum of element appears in the 1st row of 2nd column and 3rd row 2nd column in step 3?

a.   56

b.   54

c.   30

d.   37

e.   None of these

Expected Input Output Box Type New pattern for Bank Mains Exam

27. Which among the following element appears in the 2nd row of 3rd column in step 2?

a. Y1R

b. J4E

c. Q5F

d. K7Z

e. L5R

28. Which element is diagonally faced to the number which is in the uppermost left corner in step 3?

a. 17

b. 18

c. 26

d. 19

e. 5

29. Which element appears in the right side uppermost corner in step 2?

a. Y1R

b. J4E

c. Q5F

d. C9W

e. Q2D

30. Which among the following element appears in front of Q2D step 2?

a. K6F

b. J4E

c. K3S

d. R4E

e. F8H

Directions (31-35): Study the following diagram and convert it into otherdiagrams by implementing the instructions which is given in each step to get next step.

A53	N89	G76
K67		C23
K76	L98	K21

Exchange the element of row one to row 3.Don't exchange Row 2.

Step 1:

K76	L98	K21
K67		C23
A53	N89	G76

Expected Input Output Box Type New pattern for Bank Mains Exam

For step 2:

(i) If element contains two digit prime number then subtract 4 from the number and replace letter by their immediate preceding letter in the alphabetical series

(ii) If element contains non-prime odd number then add 4 to the number and replace letter by their immediate followed letter in the alphabetical series.

(iii) If element contains non-prime even number then divide it by 2 and replace letter by their immediate followed letter in the alphabetical series.

Step-2:

L38	M49	L25
J63		B19
Z49	M85	H38

For step 3: Step 3 is coded in some special pattern.

Step 3:

O50	N62	O37
Q73		Y21
A75	N98	S46

Expected Input Output Box Type New pattern for Bank Mains Exam

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions:

S17	K85	L31
S29		T47
D88	V56	G76

31. Which among the following element appears in the 3rd column of 2nd row in step 3?

a. V49

b. D51

c. I43

d. H62

e. O101

32. Which element appears in right lowermost corner in step 2 ?

a. W28

b. H38

c. S43

d. L89

e. K27

33. Which element appears in the 3rd column of 1st row in step 3?

Expected Input Output Box Type New pattern for Bank Mains Exam

a. V49

b. D51

c. S46

d. I43

e. H62

34. Which element appears in left lowermost corner in step 1 ?

a. D88

b. V56

c. S29

d. S17

e. K85

35. Which element is diagonally faced to the number which is in the uppermost right corner in step 3?

a. V49

b. D51

c. I43

d. I31

e. O101

Expected Input Output Box Type New pattern for Bank Mains Exam

Direction (36-40): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step:

| W7R	B2C	Z2X
L5G		D3R
V7Z	L8H	O6D

Interchange the column 1 with column 3 to get step 1.Do not change column 2.

Z2X	B2C	W7R
D3R		L5G
O6D	L8H	V7Z

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the difference between sum of the alphabet position in alphabet series and center number.

(iii) Then interchange the positions of cells to get step 2.

48	3	34
19		14
13	12	41

Expected Input Output Box Type New pattern for Bank Mains Exam

Step 2:

41	12	13
14	✳	19
34	3	48

For Step-3: It is coded in some special pattern.

E25	C9	D16
E25		J100
G49	C9	L144

As per the rules followed in the above step, find out the appropriate steps for the given input. And answer the following questions.

G6D	M3C	H2A
X4U		T7Y
D5S	L8H	M3X

36. Which is sum of the numbers present in of 2nd column and 3rd row and 1st row 3rd column in step 2?

a.34

b.13

c.57

d.47

e.None of these

37. Which element is present at right lowermost corner in step 3?

a. C9

b. G49

c. K121

d. D16

e. D49

38. Which element appears in the immediately front of 5 in step 2?

a. 38

b. 41

c. 12

d. 18

e. None of these

39. According to coding for step 3,what will be the code for 345?

a. F36

b. L60

c. O225

d. L144

e. M225

Expected Input Output Box Type New pattern for Bank Mains Exam

40. In which of the following is not a corner element in step 3?

a. I81

b. C9

c. G49

d. E25

e. None of these

Direction (41-45): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

A25	J27	E121
Z16	✳	U343
B32	L81	K48

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

K48	L81	B32
U343		Z16
E121	J27	A25

For Step-2

Expected Input Output Box Type New pattern for Bank Mains Exam

(i) If the cell contains a perfect square number then take square root of that number and use that numbered letter in alphabet series. Decrease the first alphabet by 1.

ii)If the cell contains a perfect cube number then take cube root of that number and use that numbered letter in alphabet series. Increase the first alphabet by 1.

ii) If none of the above condition is followed then divide that number by 2 and use that numbered letter in alphabet series. Don't change the first letter.

KX	KI	BP
VG		YD
DK	KC	ZE

For Step-3: It is coded in some special pattern.

19	34	36
25		25
39	40	23

As per the rules followed in the above step, find out the appropriate steps for the given input. And answer the following questions.

G125	L38	F8
A1000		K36
I512	C18	R256

41. Which element is present in of 2nd column and 3rd row in step 2?

a. QP

Expected Input Output Box Type New pattern for Bank Mains Exam

b. CI

c. VG

d. FD

e. LS

42. Which element is present in Above of JF in step 2?

a. CI

b. JH

c. QP

d. LS

e. HE

43. Which element appears in the 3rd column of 3rd row in step 3?

a. 41

b. 25

c. 36

d. 39

e. None of these

44. Which element appears in the 3rd column of 2nd row in step 2?

a. BJ

b. CI

c. VG

d. FD

e. None of the above

45. What is sum of the number which is in the cell of right side uppermost corner and element in 2nd column and 3rd row in step 3?

a.66

b.69

c.59

d.60

e.75

Direction (46-50): Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

C4A	C4D	Z2X
F6G		D3R
P9I	S5Z	K7R

Replace the letters with their immediate preceding letter in the alphabetical series and decrease the number by 1.

B3Z	B3C	Y1W
E5F		C2Q
O8H	R4Y	J6Q

Expected Input Output Box Type New pattern for Bank Mains Exam

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii)Interchange the column 1 with column 3 to get step 1.Do not change column 2.

Y1W	B3C	B3Z
C2Q		E5F
J6Q	R4Y	O8H

(iii)Find the sum of the alphabet position in alphabet series and center number to obtain step 2

49	8	31
22		16
33	47	31

For Step-3: It is coded in some special pattern.

N	I	E
E		H
G	L	E

As per the rules followed in the above step, find out the appropriate steps for the given input and answer the following questions.

M3D	L4K	P9E
C8X		G7H
K7G	V6C	R5S

46. Which element is present at left lowermost corner in step 3?

Expected Input Output Box Type New pattern for Bank Mains Exam

a. G

b. I

c. F

d. K

e. None of these

47. Which of below element is not present in corner in step 1?

a. L2C

b. K3J

c. O8D

d. J6F

e. Q4R

48. Which element appears in the Above 19 in step 2?

a. 39

b. 24

c. 17

d. 27

e. 22

49. According to coding for step 3, what will be the code for 289 ?

a. L

Expected Input Output Box Type New pattern for Bank Mains Exam

b. S

c. T

d. U

e. R

50. What is sum of element of 3rd column 1st row and 3rd row and 3rd column in step 2?

  a. 39

  b. 42

  c. 29

  d. 43

  e. 27

Solution and Detailed Explanation:

SOLUTIONS (1-5):

S5R	K8U	K8H
L8Q		V5S
Z1E	V6H	X4Z

Replace the letters with their immediate following letter in the alphabetical series and increase the number by 2.

Step 1:

Expected Input Output Box Type New pattern for Bank Mains Exam

T7S	L10V	L10I
M10R		W7T
A3F	W8I	Y6A

For step 2:

(i) If element contains even number then subtract 2 from the number and exchange the position of the letters after replacing each by their immediate preceding letter in the alphabetical series

(ii) If element contains odd number then add 4 in the number and replace each letters by their immediate followed letter in the alphabetical series.

Step-2:

U11T	U8K	H8K
Q8L		X11U
B7G	H6V	Z4X

For step 3: Step 3 is coded in some special pattern.

To obtain step-3: Each alphabet is replaced by number with respect to its alphabetical position and each number is replaced by alphabet with respect to its English alphabetical series.

Step 3:

21K20	21H11	8H11

Expected Input Output Box Type New pattern for Bank Mains Exam

17H12		24K21
2G7	8F22	26D24

Answers:

1) d

2) e

3) c

4) b

5) e

SOLUTIONS (6-10):

F5R	H6U	K8N
S6D		H7R
V3D	N7F	P9O

Replace the letters with their immediate preceding letter in the alphabetical series and decrease the number by 1.

Step 1:

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Expected Input Output Box Type New pattern for Bank Mains Exam

E4Q	G5T	J7M
R5C		G6Q
U2C	M6E	O8N

For step 2:

(i) If element contains even number then Add 2 in the number and exchange the position of the letters after replacing each by their immediate followed letter in the alphabetical series

(ii) If element contains odd number then subtract 2 from the number and exchange the place of letters.

Step-2:

R6F	T3G	M5J
C3R		R8H
D4V	F8N	O10P

For step 3: First we take alphabet for middle number, then immediate following alphabet for 1ˢᵗ and last alphabet.

Step 3:

Expected Input Output Box Type New pattern for Bank Mains Exam

FSG	CUH	ENK
CDS		HSI
DEU	HGO	JPQ

Answers:

6) e

7) b

8) d

9) c

10) d

Solution (11-15):

Input:

F5R	K7G	H7T
L9V		K8H
D5S	V6D	L3E

Step 1:

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

L3E	V6D	D5S
K8H		L9V

Expected Input Output Box Type New pattern for Bank Mains Exam

H7T	K7G	F5R

Step 2:

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the sum in each cell by adding numbers associated with each alphabet and the number present in cell.

(iii) If the sum is a multiple of 2, then in the cell, increase the first alphabet by 1, decrease the second alphabet by 1 and decrease the number by 1.

(iv) If the sum is a multiple of 3, then in the cell, increase both the alphabets by 1 and increase the number by 1.

(v) If number is both the multiple of 2 and 3 or is neither a multiple of 2 nor 3, then in the cell, exchange the position of first and second alphabet and don't make any change in number.

M2D	W5C	E4R
L9I		V9L
T7H	G7K	R5F

For Step 3: For all the letters, there value in the alphabetical series is written in reverse order i.e. Z will be denoted by 1, Y will be denoted by 2 and all the numbers are replaced by their equivalent letter in the alphabetical series (starting from A).

Step 3:

Expected Input Output Box Type New pattern for Bank Mains Exam

14B23	4E24	22D9
15I18		5I15
7G19	20G16	9E21

Answers:

11) d

12) c

13) e

14) c

15) c

SOLUTIONS 16-20:

GD5	GH7	MN8
ER4		LK9
AS2	IU7	PO4

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

PO4	IU7	AS2
LK9		ER4
MN8	GH7	GD5

Expected Input Output Box Type New pattern for Bank Mains Exam

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the sum in each cell by adding numbers associated with each alphabet and the number present in cell.

(iii)If the sum is an even number, then in the cell, replace the first alphabet by its succeeding letter, do not change second alphabet and increase the number by 2.

(iv) If the sum is an odd number, then in the cell, replace both the alphabets by its succeeding letter and decrease the number by 2.

QP2	JV5	BS4
MK11		FS2
NO6	HH9	HD7

For Step-3: It is coded in some special pattern.

For Step-3: If cell contains any vowel then do not change the vowel; replace the other letter with its immediately preceding letter. For number take that numbered positioned alphabet in alphabet series.

If cell does not contain any vowel then replace the both letters by its immediately preceding letter. For number take that numbered positioned alphabet in alphabet series.

POB	IUE	ARD
LJK		ERB
MOF	GGI	GCG

Answers:

16) d

Expected Input Output Box Type New pattern for Bank Mains Exam

17) e

18) b

19) c

20) b

SOLUTION 21-25:

V6F	U3Q	L8I
L9H		B7T
L8Y	W4E	C5R

Replace the letters with their immediate previous letter in the alphabetical series and increase the number by 3.

Step 1:

U9E	T6P	K11H
K12G		A10S
K11X	V7D	B8Q

For step 2:

Expected Input Output Box Type New pattern for Bank Mains Exam

(i) If element contains prime number then subtract 1 from the number and replace alphabet each by their immediate preceding letter in the alphabetical series.

(ii) If element contains non-prime number then add 2 in the number and replace each letters by their immediate followed letter in the alphabetical series.

Step-2:

V11F	U8Q	J10G
L14H		B12T
J10W	U6C	C10R

For step 3: Exchange the position of first and third letter and replace that letter by taking reverse alphabet as per the alphabet series i.e. A is denoted as Z, B is denoted as Y and so on.

For center number consider as a position number in alphabet series, replace it with alphabet which is two places away from it in alphabet series.

Step 3:

UME	JJF	TLQ
SPO		GNY
DLQ	XHF	ILX

Answers:

21) c

22) e

23) d

24) b

25) c

SOLUTIONS 26-30:

F8H	R4E	B8X
K4S		L9A
R7G	K6F	Z4S

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

Z4S	K6F	R7G
L9A		K4S
B8X	R4E	F8H

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the sum of associate number of alphabet in each cell.

(iii) If the sum is an even number , then in the cell, increase the first alphabet by 1, decrease second alphabet by 1 and increase the number by 1.

Expected Input Output Box Type New pattern for Bank Mains Exam

(iv) If the sum is an odd number, then in the cell, decrease both the alphabets by 1 and decrease the number by 2.

Y2R	J4E	Q5F
K7Z		L5R
C9W	Q2D	G9G

For Step-3: The middle number is subtracted from the sum of the position number of letters in alphabet series.

41	11	18
30		25
17	19	5

Answers:

26) c

27) e

28) e

29) c

30) b

Solutions:

Directions 31-35:

S17	K85	L31

Expected Input Output Box Type New pattern for Bank Mains Exam

S29		T47
D88	V56	G76

Exchange the element of row one to row 3.Don't exchange Row 2.

Step 1:

D88	V56	G76
S29		T47
S17	K85	L31

For step 2:

(i) If element contains two digit prime number then subtract 4 from the number and replace letter by their immediate preceding letter in the alphabetical series

(ii) If element contains non-prime odd number then add 4 in the number and replace letter by their immediate followed letter in the alphabetical series.

(iii) If element contains non-prime even number then divide it by 2 and replace letter by their immediate followed letter in the alphabetical series.

Step-2:

E44	W28	H38
R25		S43
R13	L89	K27

Expected Input Output Box Type New pattern for Bank Mains Exam

For step 3: replace letter with its reverse letter in alphabet series.

For number, add letter's numerical position in alphabet series to number.

Step 3:

V49	D51	S46
I43		H62
I31	O101	P38

Answers:

31) d

32) e

33) c

34) d

35) d

SOLUTION 36-40:

G6D	M3C	H2A
X4U		T7Y
D5S	L8H	M3X

Interchange the column 1 with column 3 to get step 1.Do not change column 2.

Expected Input Output Box Type New pattern for Bank Mains Exam

H2A	M3C	G6D
T7Y		X4U
M3X	L8H	D5S

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii) Find the difference between sum of the alphabet position in alphabet series and center number.

(iii) Then interchange the positions of cells to get step 2.

7	13	5
38	✳	41
34	12	18

Step 2:

18	12	34
41	✳	38
5	13	7

For Step-3: Do sum of digits in number, take that position alphabet in alphabet series and write a square of that sum.

Expected Input Output Box Type New pattern for Bank Mains Exam

I81	C9	G49
E25		K121
E25	D16	G49

Answers:

36) d

37) b

38) b

39) d

According to coding for step 3,what will be the code for 345

3+4+5=12 i.e. L144

40) b

SOLUTION 41-45: Study the following diagram and convert it into other diagrams by implementing the instructions which is given in each step to get next step.

G125	L38	F8
A1000	✳	K36
I512	C18	R256

Interchange the opposite boxes to get step 1 as mentioned in the above figure.

R256	C18	I512
K36		A1000
F8	L38	G125

Expected Input Output Box Type New pattern for Bank Mains Exam

For Step-2

(ii) If the cell contains a perfect square number then take square root of that number and use that numbered letter in alphabet series. Decrease the first alphabet by 1.

ii)If the cell contains a perfect cube number then take cube root of that number and use that numbered letter in alphabet series. Increase the first alphabet by 1.

ii)If none of the above condition is followed then divide that number by 2 and use that numbered letter in alphabet series. Don't change the first letter.

QP	CI	JH
JF		BJ
GB	LS	HE

For Step-3: Take reverse alphabet series number of the letter then do sum of them.

21	42	36
38		42
45	23	41

Answers:

41) e

42) c

43) a

44) a

45) c

SOLUTION 46-50:

M3D	L4K	P9E
C8X		G7H
K7G	V6C	R5S

Replace the letters with their immediate preceding letter in the alphabetical series and decrease the number by 1.

L2C	K3J	O8D
B7W		F6G
J6F	U5B	Q4R

For Step-2 (i) Associate each alphabet with a number. This number is the alphabet's position in list of alphabets e.g. A – 1, B – 2 etc.

(ii)Interchange the column 1 with column 3 to get step 1.Do not change column 2.

O8D	K3J	L2C
F6G		B7W
Q4R	U5B	J6F

Step 2:

27	24	17
19		32
39	28	22

Expected Input Output Box Type New pattern for Bank Mains Exam

For Step-3: do sum of digits in number and add 1 in it.Take that numbered letter of alphabet in alphabet series.

J	G	I
K		F
M	K	E

Answers:

46) e

47) b

48) d

49) c

According to coding for step 3,what will be the code for 289
        2+8+9+1=20 i.e. T

50) a

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

LINEAR Seating Arrangement (Two Tier)

Directions (1-5): Answer the questions based on the information given below:

There are eight friends S, T, U, V, W, X, Y and Z are sitting in linear table and all are facing towards the south. All friends have cleared different examinations i.e.RRB, LIC, RBI, IBPS, SEBI, SSC, UPSC and SBI but not necessarily in the same order.

There are three friends sit between S and V. Z has cleared RRB. The friends who have cleared RBI and SEBI sit together. S has cleared SEBI. Y sits immediate left of one who cleared IBPS. U and W sit together but none of them cleared RBI. The one who cleared UPSC is immediate right of the one who cleared SBI.V does not cleared SBI. The one, who sits at extreme end, has cleared RRB. V sits third to the right of the one who cleared RRB, who is an immediate neighbor of Y. W has not cleared UPSC. X does not sit near to U. The immediate right of the one who sits at extreme end has cleared SSC.

1. **What is the position of U with respect to the one, who has cleared RBI?**

   (a) Third to right

   (b) Second to left

   (c) Third to right

   (d) Immediate left

   (e) Cannot be determined

2. **What is the position of T with respect to W?**

   (a) Second to right

   (b) Immediate left

   (c) Third to right

   (d) Second to left

   (e) Immediate right

3. Who sits immediate left of X?

  (a) S

  (b) Y

  (c) U

  (d) Z

  (e) W

4. Who sits third to the left of the one, who has cleared LIC?

  (a) W

  (b) Z

  (c) S

  (d) X

  (e) T

5. U sits second to the left of the one who has cleared which among the following exam?

  (a) RBI

  (b) SBI

  (c) IBPS

  (d) SEBI

  (e) None of these

Directions (6-10) : Answer the questions based on the information given below:

There are eight Friends P, Q, R, S, T, U, V and W are sitting in linear table. Five of them are facing north and three are facing south. Their ages are in years i.e. 35, 38, 39, 42, 44, 46, 48 and 50 but not necessarily in the same order.

Q faces south. V who is 46 years old is the immediate neighbor of the persons, who are facing north. There are four people between P and R. None of the people who face north is 46, or 42 or 39 years old. W is 50 years old. T sits fifth to the right of V. P and S are sitting at the extreme ends and neither of them is 48 or 38 years old. T faces the direction opposite to that of W. V sits third to the right of U. There are as many people sit between T and W is same as the number of person sits to the right of R. The person who is 35 years old is sitting third to the left of the one who is 48 years old. Q who is 42 years old is sitting second to the left of W. V is not an immediate neighbor of P.

6. What is the position of S with respect to U?

  (a) Third to right

  (b) Second to left

  (c) Third to right

  (d) Fourth to right

  (e) Cannot be determined

7. What is the position of Q with respect to the one, whose is 39 years old?

  (a) Second to right

  (b) Immediate left

  (c) Third to right

  (d) Second to left

  (e) Immediate right

8. Who sits second to left of W?

  (a) Q

  (b) T

  (c) R

  (d) V

  (e) Cannot be determined

9. Who is sitting third to the left of the one, whose age is 50 years old?

(a) S

(b) Q

(c) T

(d) U

(e) P

10. P sits immediate right to the one whose age is?

(a) 48

(b) 50

(c) 39

(d) 46

(e) 44

Directions (11-15) : Answer the questions based on the information given below:

Nine persons P, Q, R, S, T, U, V, W and X are sitting in a linear table and facing the north direction but not necessarily in the same order. Each one of them has different brands watches i.e. Titan, Fastrack, Fossil, Diesel, Giordano, Rado, Maxima, Armani and Tissot but not necessarily in the same order.

Two persons sit between X and V who does not have Fossil. W sits just to the right of R. One person sits between W and P. R have Fossil. Two persons sit between the one who have Giordano and the one who have Armani. Q have Giordano but he does not sit just to the right of W. Three persons sit between X and the one who have Diesel. X sits on an even position from the left end. The one who, have Fossil sits just to the left of the one who have Diesel. The one who have the Titan's watch sits just to the right of T. V does not have Titan's watch. S has Fastrack and T has Tissot's watch. The one who have Maxima sits immediate left to the V.

11. Who sits to the immediate left of X?

(a) R

(b) T

(c) Q

(d) V

(e) None of these

12. Who sits second to the left of the one, who have Tissot?

(a) U

(b) P

(c) Q

(d) S

(e) None of these

13. R is sitting third to the left the one, who have?

(a) Armani

(b) Diesel

(c) Tissot

(d) Maxima

(e) None of these

14. Who is sitting second to the left of the one, who have Rado?

(a) O

(b) J

(c) Q

(d) L

(e) None of these

15. How many persons sit between P and U?

(a) One

(b) Four

(c)Three

(d) Six

(e) None of these

Directions (16-20) : Answer the questions based on the information given below:

There are seven persons P, Q, R, S, T, U and V sit in a linear table. Only two persons are facing south direction and others are facing north direction. They were born in different years i.e. 1995, 1996 and 1997 but not necessarily in the same order. Two of them born in 1995, two of them born in 1996 and three of them born in 1997. The one who have born in same year do not sit together.

Q faces north direction and sits third to right of S. There are three persons sit between P and R. V was does not born in 1996 and sits third to the right of Q. U sits immediate right of R and does not born in 1996. Q does not born in 1995. P and R face the same direction. U and V facing same direction as S. P does not born in 1996.P sits immediate left of T who is an immediate neighbor of Q. T does not born in 1995. S borns in 1995 sits at one of the extreme end of the table.

16. What is the position of R with respect to T?

(a) Third to right

(b) Second to left

(c) Third to Left

(d) Fourth to right

(e) Cannot be determined

17. What is the position of S with respect to P?

(a) Second to right

(b) Immediate left

(c) Third to right

(d) Second to left

(e) Immediate right

18. Who sits third to right of Q?

(a) R

(b) V

(c) U

(d) P

(e) T

19. Who sits second to the right of T?

(a) V

(b) R

(c) S

(d) U

(e) P

20. Who among the following are the second oldest people?

(a) P and Q

(b)Q and V

(c) T and R

(d) U and P

(e) None of these

Directions (21-25): Answer the questions based on the information given below:

There are seven persons J, K, L, M, N, O and P are sitting in a linear table. Some of them face north and some of them face south direction. All of them like different colours i.e Red, Blue, Black, Yellow, Green, White and Pink but not necessarily in the same order.

O sits immediate right of P who does not sit immediate to K. The one who likes Blue and Pink are immediate neighbors of N. The one who likes Yellow sits immediate to the left of who likes Black. The persons who sitting at extreme end facing opposite direction to each other.O does not facing south direction. M is an immediate neighbor of J and likes Red. There are more than two persons sit between J and L. L does not like Green and Pink. J and K are facing opposite direction to M. N does not face south direction. J sits second from extreme end and likes white. Three persons sit between J and the person who likes Green. K sits second to the right of L.

21. Who sits immediate left of who likes Pink?

    (a) M

    (b) P

    (c) O

    (d) J

    (e) N

22. Who sits second to the left of O?

    (a) N

    (b) P

    (c) J

    (d) L

    (e) None of these

23. Who is sitting third to the left of the one, who likes Green?

    (a) P

    (b) L

    (c) K

    (d) M

    (e) None of these

24. Who is sitting second to the right of L?

    (a) J

    (b) M

    (c) K

    (d) P

    (e) None of these

25. Who sits fifth to left of one who likes Green?

    (a) P

    (b) M

    (c) J

    (d) L

    (e) None of these

Directions (26-30) : Answer the questions based on the information given below:

There are eight people A, B, C, D, E, F, G and H are sitting in a linear table facing north direction. They all belong to different cities i.e. Noida, Patna, Jhansi, Indore, Lucknow, Madurai, Jaipur and Bhopal but not necessarily in the same order.

Two people are sitting between C and the one who belongs to Bhopal. The one who belongs to Jhansi is sitting second to the left of C. B is sitting to the immediate left of the one who belongs to Bhopal. One person is sitting between H and the one who belongs to

Bhopal. H is sitting at the extreme left end. The one who belongs to Patna is sitting second to the left of D. There is one people sitting between F and the one who belongs to Jaipur. A is an immediate neighbor of the one who belongs to Jaipur. E and the one who belongs to Indore are immediate neighbors. H belongs to Patna. There are two persons sit between the one who belongs to Indore and the one who belongs to Jhansi. B neither belongs to Noida nor Jaipur. G sits immediate left to the one who belongs to Madurai. F does not belong to Indore.

26. What is the position of G with respect to the one who belong to Jhansi?

(a) Third to left

(b) Second to left

(c) Third to right

(d) Fourth to right

(e) Cannot be determined

27. What is the position of H with respect to the one who belong to Lucknow?

(a) Second to right

(b) Third to right

(c) Immediate left

(d) Second to left

(e) Immediate right

28. Who sits third to right of the one who belongs to Noida?

(a) H

(b) G

(c) B

(d) D

(e) E

29. Who sits immediate right of the one who belongs to Indore?

(a) Who belongs to Noida

(b) Who belongs to Madurai

(c) Who belongs to Lucknow

(d) Who belongs to Jhansi

(e) Who belongs to Jaipur

30. How many person sit between A and E?

(a) Six

(b) Four

(c) None

(d) Two

(e) Three

Directions (31-35) : Answer the questions based on the information given below:

There are nine persons P, Q, R, S, T, U, V, W and X is sitting in a linear table and all of them are facing north direction. Each of them goes to different countries i.e. Canada, Brazil, Russia, Japan, India, England, Cuba, Thailand and USA but not necessarily in the same order.

Q, who goes to India sits second to the left of X. U who goes to Brazil, is a neighbour of both P and Q. X who goes to England is not sitting at any of the extreme ends. P and R are sitting together. W sits to the immediate left of V who neither goes to Thailand nor USA. The person who goes to India sits second to the right of the person who goes to USA. Only two persons are sitting between Q and S who is sitting at the extreme right end. The person who goes to Russia sits third to the right of the person who goes to USA. Only one person is sitting between the persons who go to Japan and Russia. The

person who goes to Cuba is sitting at one of the extreme ends, but he is not a neighbour of the person who goes to England.

31. Who sits to the immediate right of the one who goes to Cuba?

(a) V

(b) Q

(c) R

(d) T

(e) P

32. Who among the following goes to Thailand?

(a) S

(b) Q

(c) R

(d) T

(e) U

33. Who sits third to the left of the one who goes to Brazil?

(a) R

(b) W

(c) T

(d) S

(e) V

34. W goes to which among the following country?

(a) Canada

(b) Cuba

(c) Thailand

(d) India

(e) England

35. How many persons sit between the one, who goes to Japan and the who, goes to India?

(a) One

(b) Four

(c) Six

(d) Two

(e) Three

Directions (36-40) : Answer the questions based on the information given below:

There are eight friends J, K, L, M, N, O, P and Q are sitting in a linear table. Some of them face north and some of them face south direction. They belong to different profesions i.e HR, Architect, Engineer, Doctor, Builder, Teacher, Banker and Pilot but not necessarily in the same order.

L sits second to the left of O who is an architect. Q faces same direction as facing O. There are two persons sit between K and who is Doctor. N is not an immediate neighbor of P who is Engineer. The persons who sit at extreme ends are facing opposite direction to each other. Only two persons are sitting to the right of the one who is Builder. K sits exactly between L and N. L is only neighbor of Q and he is Teacher. J and P are immediate neighbors of each other and facing same directions as Q. O sits at the immediate left of the one who is Builder. K faces same direction as P. L and M are facing opposite direction to each other. K is facing in north direction. Q is neither Banker nor Pilot. L is an immediate neighbor of person who is Builder. J is neither Pilot nor HR.

36. Who sits to the immediate left of the one who is Engineer?

(a) K

(b) O

(c) J

(d) M

(e) L

37. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which is the one that doesn't belong to that group?

(a) Q

(b) O

(c) M

(d) L

(e) J

38. Who sits second to the right of P?

(a) Builder

(b) Doctor

(c) Teacher

(d) Architect

(e) Pilot

39. Who is second to the left of the one who is Architect?

(a) K

(b) M

(c) J

(d) L

(e) P

40. How many persons sit between P and the one who is Teacher?

(a) One

(b) Four

(c) Six

(d) Two

(e) Three

Directions (41-45) : Answer the questions based on the information given below:

There are seven players K, L, M, N, O, P, Q are sitting in a linear table and all of them facing in south direction. Each of them is player of different sports i.e. Cricket, Volleyball, Handball, Football, Tennis, Badminton and Hockey but not necessarily in the same order.

N sits immediate right of the person who plays Handball. Football player does not sit immediate right to the Badminton player. L is sitting second from one of the extreme ends. Badminton player is sitting in the middle of the table but not the neighbour of O. K who plays Volleyball is sitting immediate left of O who plays Cricket. P who is playing Tennis is sitting to left of Q who neither plays Handball nor Football. The person who plays Hockey is a neighbour of Handball player. K who is neither Tennis player nor Hockey player is sitting second to left of P. Q is sitting second to left of N. M who plays Badminton sits to right of Cricket player. M and Tennis player are neighbours.

41. Who is sitting third to the right of K?

(a) L

(b) P

(c) Q

(d) M

(e) None of these

42. What is the position of L with respect to the one who is player of Hockey?

(a) Immediate right

(b) Immediate left

(c) Third to the right

(d) Third to the left

(e) None of these

43. What is O's position with respect to the one who is player of Volleyball?

(a) Third to the right

(b) Second to the right

(c) Immediate right

(d) Second to the left

(e) Third to the left

44. Who is sitting third to the right of the one who is player of Tennis?

(a) L

(b) M

(c) K

(d) P

(e) Q

45. Which one of the following statements is true according to the below mentioned arrangement?

(a) K is player of Hockey

(b) Q is player of Hockey

(c) L is player of Cricket

(d) N is player of Volleyball.

(e) None of these

Directions (46-50) : Answer the questions based on the information given below:

There are nine people A, B, C, D, E, F, G, H, and I are sitting in a linear table. Some of them facing north and some of them facing south direction but not necessarily in the same order. Each one of them has likes different subjects i.e. Quant, Reasoning, English, Physics, Chemistry, Computer, History, Geography, and Economics.

I is facing north and is sits third to left of the person who likes English. The person who likes Reasoning sits immediate right to one of the extreme ends. The person who likes Quant and Reasoning never sits next to each other. Person who likes Geography and Quant sits at extreme ends. The person who likes History sits immediate left to one of the extreme ends. H is facing north direction and sits second to left of the one who likes Quant. C is facing north direction and sits fourth to the right of the one who likes Physics.F and G sits next to each other. The person who likes English sits immediate left of E. I is not an immediate neighbor of the person who likes Geography. The person who likes Chemistry is not an immediate neighbor of G. G and D facing same direction as A facing.Only two person sits between A and E. A sits one of the extreme ends. The person who likes Economics sits at fifth to the left of A.

G sits third right to the person who is sitting at one of the extreme ends. B sit at one of the extreme ends and the person who likes Physics sits sixth to right of B.

46. Who is the immediate left of the one who likes Reasoning?

    (a) B

    (b) C

    (c) D

    (d) G

    (e) None of these

47. Who likes Computer subject?

    (a) H

    (b) E

    (c) G

    (d) C

    (e) None of these

48. Who is sitting fourth to the left of F?

    (a) A

    (b) G

    (c) D

    (d) H

    (e) None of these

49. Who are the immediate neighbors of the one who likes Computer?

    (a) G and D

    (b) C and D

    (c) G and H

    (d) B and A

    (e) None of these

50. Who is sitting fourth to the right of the one who likes History?

    (a) E

    (b) D

    (c) F

    (d) B

    (e) G

Solution and Detailed Explanation :

SOLUTION(1-5):

Explanation in detail:
1. The one who sits at extreme end, has cleared RRB.
2. Z has cleared RRB.
3. V sits third to the right of the one who cleared RRB.
4. Y is an immediate neighbor of who cleared RRB.
5. There are three friends sit between S and V.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

S   Y   Y   Z (RRB)

6. The friends who have cleared RBI and SEBI sit together.
7. S has cleared SEBI.
8. Y sits immediate left of one who cleared IBPS.

S (SEBI)   (RBI)   Y   (IBPS)   Y   Z (RRB)

9. U and W sit together but none of them cleared RBI.
10. The one who cleared UPSC is immediate right of the one who cleared SBI.
11. V does not cleared SBI.
12. W has not cleared UPSC.

S (SEBI)   (RBI)   U (UPSC)   W (SBI)   V   (IBPS)   Y   Z (RRB)

13. X does not sit near to U.
14. The immediate right of the one who sits at extreme end has cleared SSC.

S (SEBI)   T (RBI)   U (UPSC)   W (SBI)   V (LIC)   X (IBPS)   Y (SSC)   Z (RRB)

Final arrangement:

S (SEBI)   T (RBI)   U (UPSC)   W (SBI)   V (LIC)   X (IBPS)   Y (SSC)   Z (RRB)

1.d. 2.a. 3.b. 4.b. 5.d

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

SOLUTION(6-10):

Explanation in detail:

1. The one who sit at the extreme ends do not faces south.
2. P and S are sitting at the extreme ends.
3. V is not an immediate neighbor of P.
4. T sits fifth to the right of V.

CASE1:

CASE2:

5. V who is 46 years old is the immediate neighbor of who facing north.
6. There are four people between P and R.
7. There are as many people sit between T and W as the number of person sits to the right of R.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

CASE1:

CASE2:

There is no such space for W in CASE2 so CASE2 is cancelled out.

8. V sits third to the right of U.
9. W is 50 years old.
10. Q who is 42 years old is sitting second to the left of W.
11. Q faces south.

CASE1:
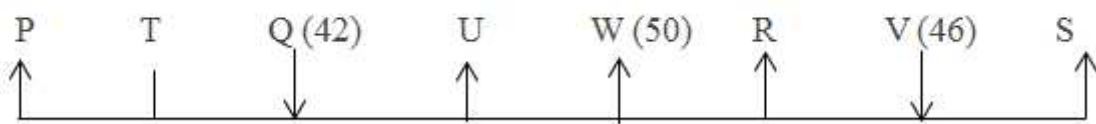
12. P and S isnot of 48 or 38 years old.
13. T faces the direction opposite to that of W.
14. None of the people who facing north is 46, or 42 or 39 years old.
15. The person who is 35 years old is sitting third to the left of the one who is 48 years old.

CASE1:

P (35)   T (39)   Q (42) U (48)   W (50)   R (38)   V (46)   S (44)

Final arrangement:

P (35)   T (39)   Q (42) U (48)   W (50)   R (38)   V (46)   S (44)
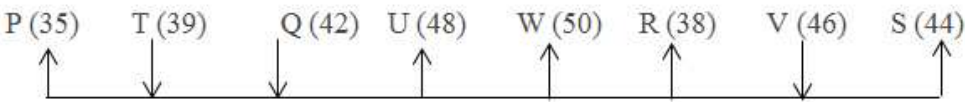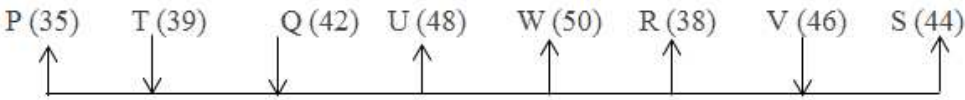
6.d. 7.b. 8.a. 9.c. 10.c

SOLUTION(11-15):

Explanation in detail:

1. Three persons sit between X and the one who have Diesel.
2. X sits on sixth from the left end.
3. The one who have Fossil sits just to the left of the one who have Diesel.
4. Two persons sit between X and V who does not have Fossil.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

CASE1:

(Fossil)   (Diesel)   V   X

CASE2:

(Fossil)   (Diesel)   X   V
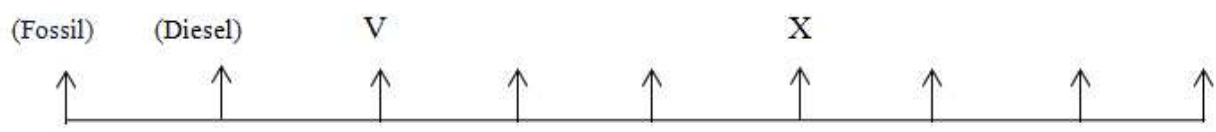
5. The one who have Maxima sits immediate left to the V.
6. R have Fossil.

CASE1:

R (Fossil)   (Diesel)   V   X

CASE2:

R (Fossil)   (Diesel)   X   (Maxima)   V
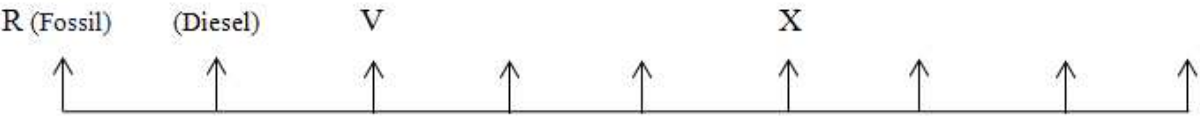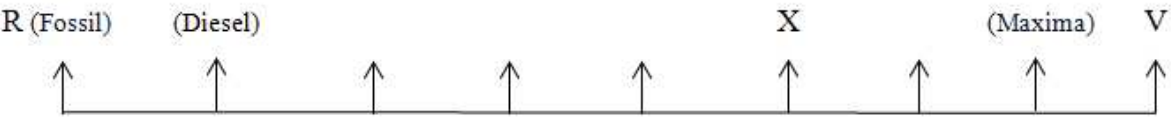
There is no such space for maxima in CASE1 so CASE1 is cancelled out.

7. Two persons sit between the one who have Giordano and the one who have Armani.
8. Q have Giordano but he does not sit just to the right of W.
9. W sits just to the right of R.
10. One person sits between W and P.

CASE2:
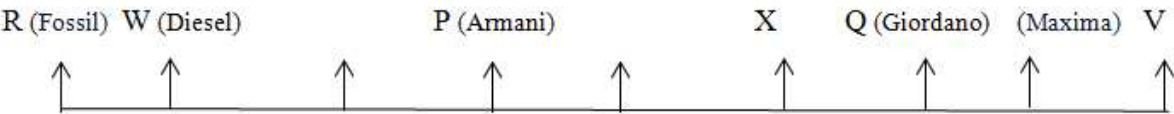
R (Fossil) W (Diesel)   P (Armani)   X   Q (Giordano)   (Maxima) V

11. The one who have the Titan's watch sits just to the right of T.
12. V does not have Titan's watch.
13. S have Fastrack's watch and T have Tissot's watch.

CASE2:

R (Fossil) W (Diesel)   S (Fastrack) P (Armani) T (Tissot) X (Titan) Q (Giordano) U (Maxima) V (Rado)

Final arrangement:

R (Fossil) W (Diesel)   S (Fastrack) P (Armani) T (Tissot) X (Titan) Q (Giordano) U (Maxima) V (Rado)
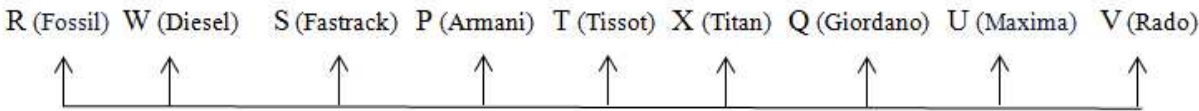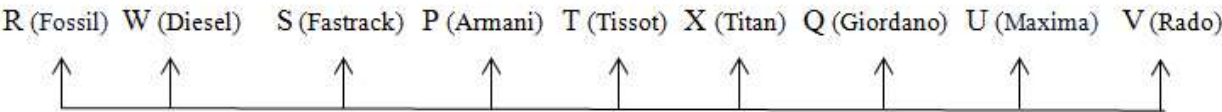
11.b. 12.d. 13.a. 14.c. 15.c

SOLUTION(16-20):

Explanation in detail:

1. S borns in 1995 sits at one of the extreme end of the table.
2. Q faces north direction and sits third to right of S.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam
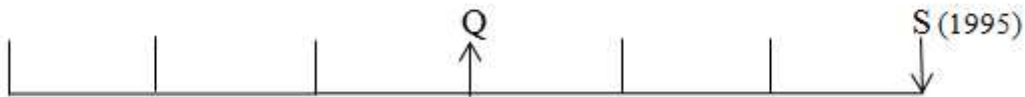
CASE1:

CASE2:

3. V does not born in 1996 and sits third to the right of Q.

There is no such space for V in CASE2 so CASE2 is cancelled out.

CASE1:

4. P sits immediate left of T who is an immediate neighbor of Q.
5. There are three persons sit between P and R.
6. U sits immediate right of R and does not born in 1996.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

CASE1a:

S (1995) R U Q T P V

CASE1b:

S (1995) P T Q U R V
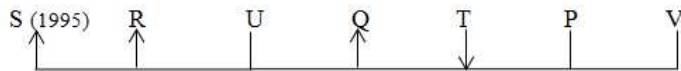
7. P and R facing the same direction.
8. U and V facing same direction as S.

CASE1a:

S (1995) R U Q T P V

CASE1b:

S (1995) P T Q U R V

In CASE1a there is only one person facing south direction SO CASE1a is cancelled out.

9. P does not born in 1996.
10. T does not born in 1995.
11. Q does not born in 1995.
12. V does not born in 1996.
13. U does not born in 1996

CASE1b:

S (1995) P (1997) T (1996) Q (1997) U (1995) R (1996) V (1997)

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Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

Final arrangement:

S (1995)　　P (1997)　　T (1996)　　Q (1997)　　U (1995)　　R (1996)　　V (1997)
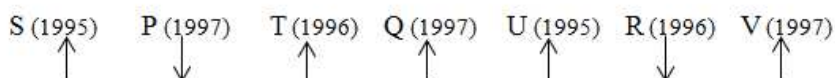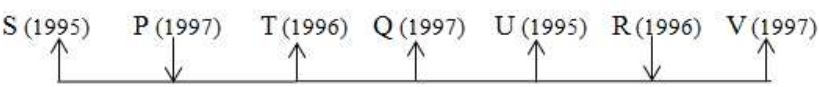
16. a.　17. E.　18. B.　19. D.　20. c

SOLUTION (21-25):

Explanation in detail:

1. J sits second from extreme end and likes white.
2. Three persons sit between J and the person who likes Green.
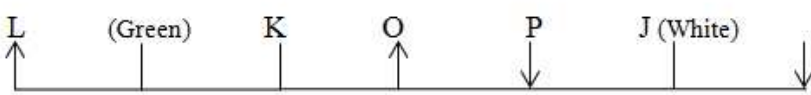3. There are more than two persons sit between J and L.

CASE1:

J (White)　　　　　　　　　　　　(Green)　　L

CASE2:

L　　(Green)　　　　　　　　　　J (White)

4. K sits second to the right of L.
5. The persons who sitting at extreme end facing opposite direction to each other.
6. O sits immediate right of P who does not sit immediate to K.
7. O does not facing south direction.

CASE1:
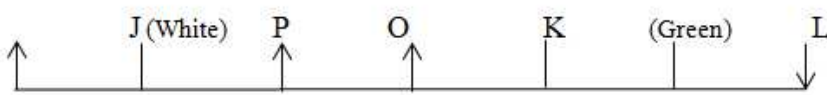
J (White)　　P　　O　　　　K　　(Green)　　L

CASE2:

L　　(Green)　　K　　O　　P　　J (White)

8. M is an immediate neighbor of J and likes Red.

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9. N does not face south direction.

CASE1:

| M (Red) | J (White) | P | O | K | N (Green) | L |

CASE2:

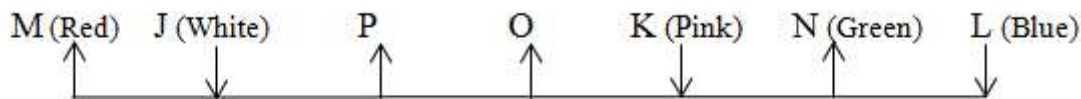| L | N (Green) | K | O | P | J (White) | M (Red) |
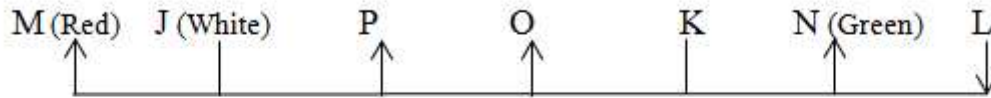
10. The one who likes Blue and Pink are immediate neighbors of N.
11. L does not like Green and Pink.
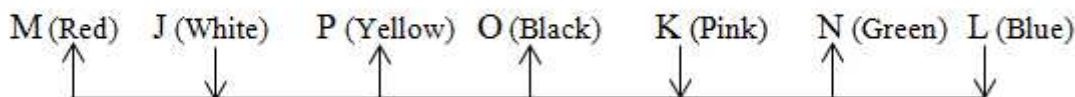12. J and K are facing opposite direction to M.

CASE1:

| M (Red) | J (White) | P | O | K (Pink) | N (Green) | L (Blue) |

CASE2:

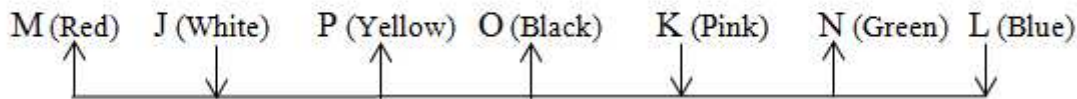| L (Blue) | N (Green) | K (Pink) | O | P | J (White) | M (Red) |
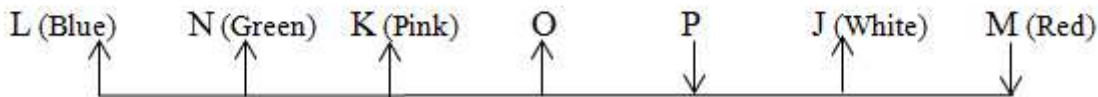
13. The one who likes Yellow sits immediate to the left of who likes Black.

There is no such space for Yellow and Black in CASE2 so CASE2 is cancelled out.

CASE1:

| M (Red) | J (White) | P (Yellow) | O (Black) | K (Pink) | N (Green) | L (Blue) |

Final arrangement:

M (Red)   J (White)   P (Yellow)   O (Black)   K (Pink)   N (Green)   L (Blue)

21. e   22. C.   23. a   24. C.   25. b

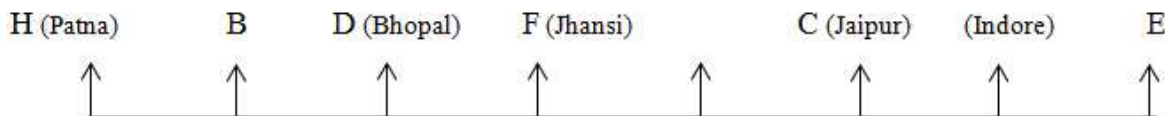**SOLUTION(26-30):**

Explanation in detail:

1. H is sitting at the extreme left end. H belongs to Patna.
2. B is sitting to the immediate left of the one who belongs to Bhopal.
3. One person is sitting between H and the one who belongs to Bhopal.
4. Two people are sitting between C and the one who belongs to Bhopal.

H (Patna)   B   (Bhopal)   C

5. The one who belongs to Jhansi is sitting second to the left of C.
6. The one who belongs to Patna is sitting second to the left of D.
7. There are two persons sit between the one who belongs to Indore and the one who belongs to Jhansi.

H (Patna)   B   D (Bhopal)   (Jhansi)   C   (Indore)
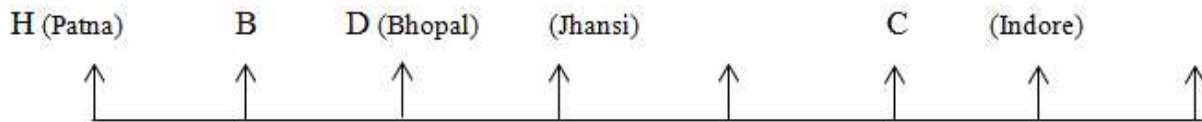
8. E and the one who belongs to Indore are immediate neighbors.
9. There is one people sitting between F and the one who belongs to Jaipur.
10. B neither belongs to Noida nor Jaipur.
11. F does not belongs Indore.

H (Patna)   B   D (Bhopal)   F (Jhansi)   C (Jaipur)   (Indore)   E

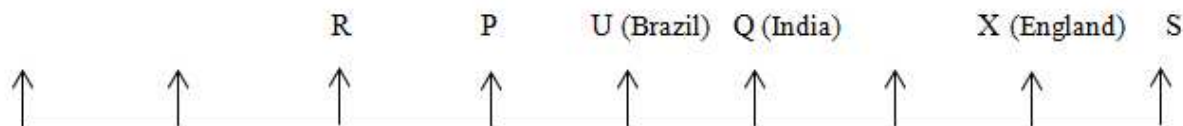# Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

12. G sits immediate left to the one who belongs to Madurai.
13. A is an immediate neighbor of the one who belongs to Jaipur.

H (Patna)   B (Lucknow)   D (Bhopal) F (Jhansi) A (Noida) C (Jaipur) G (Indore) E (Madurai)

Final arrangement:

H (Patna)   B (Lucknow)   D (Bhopal) F (Jhansi) A (Noida) C (Jaipur) G (Indore) E (Madurai)

26. c.   27. C.   28. E.   29. B.   30. d

SOLUTION(31-35):

Explanation in detail:

1. S is sitting at the extreme right end.
2. Only two persons are sitting between Q and S.
3. B, who goes to India sits second to the left of X.
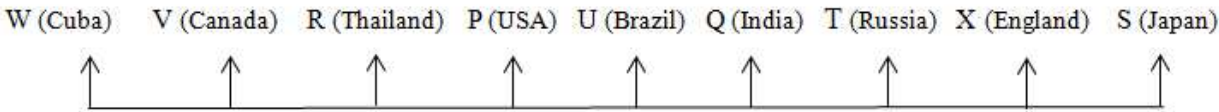4. X who goes to England is not sitting at any of the extreme ends

Q (India)   X (England) S

5. U who goes to Brazil is a neighbour of both P and Q.
6. P and R are sitting together.

R   P   U (Brazil) Q (India)   X (England) S

7. W sit to the immediate left of V who neither goes to Thailand nor USA.
8. The person who goes to India sits second to the right of the person who goes to USA.
9. The person who goes to Russia sits third to the right of the person who goes to USA.
10. Only one person is sitting between the persons who goes to Japan and Russia.

W	V	R	P (USA)	U (Brazil)	Q (India)	T (Russia)	X (England)	S (Japan)

11. The person who goes to Cuba is sitting at one of the extreme ends.
12. Vneither goes to Thailand nor USA.

W (Cuba)	V (Canada)	R (Thailand)	P (USA)	U (Brazil)	Q (India)	T (Russia)	X (England)	S (Japan)

Final arrangement:

W (Cuba)	V (Canada)	R (Thailand)	P (USA)	U (Brazil)	Q (India)	T (Russia)	X (England)	S (Japan)

31. a. 32. C. 33. E. 34. B. 35. d

SOLUTION(36-40):

Explanation in detail:

1. L is only neighbor of Q and he is Teacher.
2. L sits second to the left of O who is an architect.
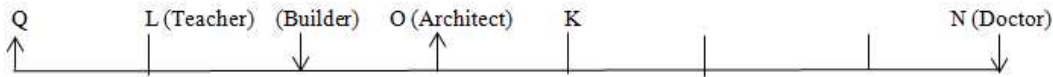3. Q faces same direction as facing O.

CASE1:

Q	L (Teacher)		O (Architect)			

CASE2:

			O (Architect)		L (Teacher)	Q
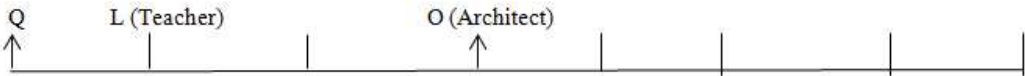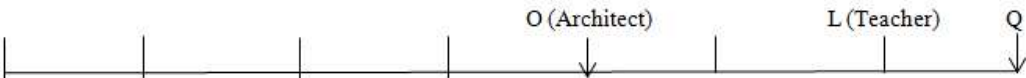
4. The persons who sits at extreme ends are facing opposite direction to each other.
5. K sits exactly between L and N.
6. There are two persons sit between K and who is Doctor.
7. O sits at the immediate left of the one who is Builder.
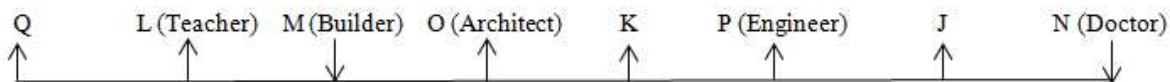8. Only two persons are sitting to the right of the one who is Builder.

CASE1:

Q	L (Teacher)	(Builder)	O (Architect)	K			N (Doctor)
↑		↓	↑				↓

CASE2:

N (Doctor)			K	O (Architect)	(Builder)	L (Teacher)	Q
↑				↓	↑		↓

9. N is not an immediate neighbor of P who is Engineer.
10. J and P are immediate neighbors of each other and facing same directions as Q.
11. K faces same direction as P.
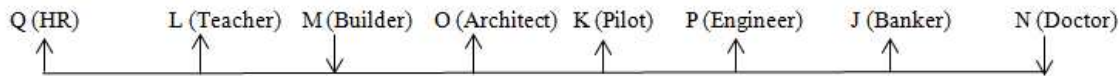12. L and M are facing opposite direction to each other.

CASE1:

Q	L (Teacher)	M (Builder)	O (Architect)	K	P (Engineer)	J	N (Doctor)
↑	↑	↓	↑	↑	↑	↑	↓

CASE2:

N (Doctor)	J	P (Engineer)	K	O (Architect)	M (Builder)	L (Teacher)	Q
↑	↓	↓	↓	↓	↑	↓	↓

13. K is facing in north direction.

So CASE2 cancelled out.

14. Q is neither Banker nor Pilot.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

15. J is neither Pilot nor HR.

CASE1:

Q (HR)   L (Teacher) M (Builder) O (Architect) K (Pilot)   P (Engineer)   J (Banker)   N (Doctor)

Final arrangement:

Q (HR)   L (Teacher) M (Builder) O (Architect) K (Pilot)   P (Engineer)   J (Banker)   N (Doctor)
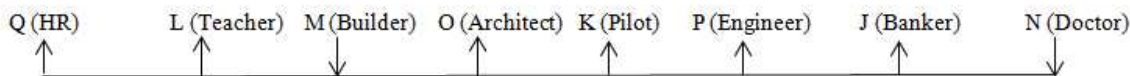
36. a. 37. C. 38. B. 39. D. 40. e

SOLUTION(41-45):

Explanation in detail:

1. L is sitting second from one of the extreme ends.
2. Badminton player is sitting in the middle of the row but not the neighbour of O.
3. M who plays Badminton sits to right of Cricket player.
4. M and Tennis player are neighbours.
5. P who is playing Tennis is sitting to left of Q who neither plays Handball nor Football.
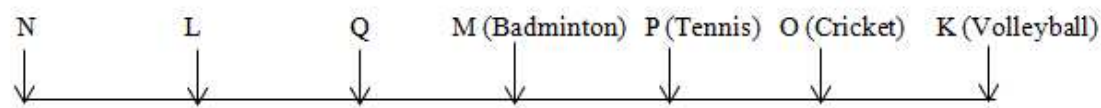6. Q is sitting second to left of N.

CASE1:
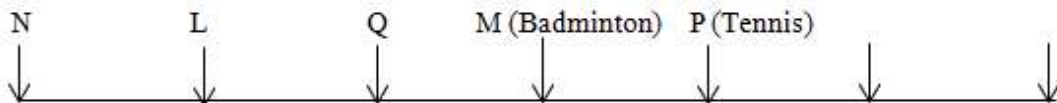
N   L   Q   M (Badminton) P (Tennis)

CASE2:

N   Q   M (Badminton) P (Tennis)   L

7. K who plays Volleyball is sitting immediate left of O who plays Cricket.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam
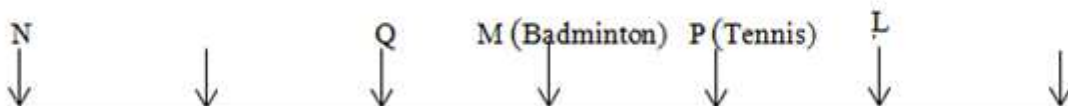
So there is no such space for K and O in CASE2 so CASE2 is cancelled out.

CASE1:

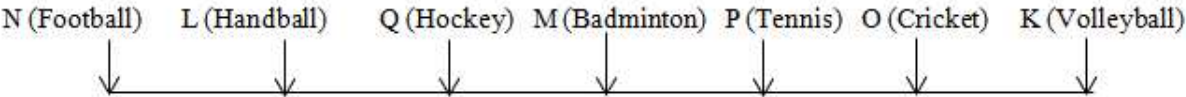N   L   Q   M (Badminton)   P (Tennis)   O (Cricket)   K (Volleyball)

8. Football player does not sit immediate right to the Badminton player.
9. The person who plays Hockey is a neighbour of Handball player.
10. K who is neither Tennis player nor Hockey player is sitting second to left of P.
11. N sits immediate right of the person who plays Handball.

CASE1:

N (Football)   L (Handball)   Q (Hockey)   M (Badminton)   P (Tennis)   O (Cricket)   K (Volleyball)

Final arrangement:

N (Football)   L (Handball)   Q (Hockey)   M (Badminton)   P (Tennis)   O (Cricket)   K (Volleyball)
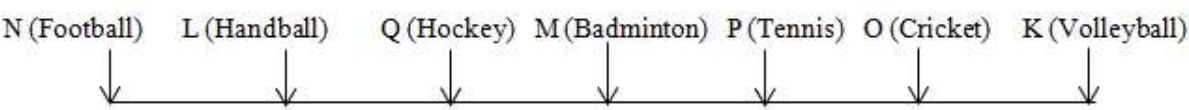
41.d.   42.a.   43.c.   44. A.   45.b

SOLUTION(46-50):

Explanation in detail:

1. Only two person sits between A and E.
2. A sits one of the extreme end.

Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

3. The person who likes Economics sits at fifth to the left of A.
4. G sits third to the right of the person who is sitting at one of the extreme ends.
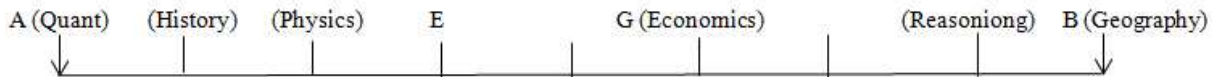
CASE1:

A   E   G (Economics)

CASE2:

G (Economics)   E   A

5. B sit at one of the extreme ends and the person who likes Physics sits sixth to right of B.
6. The person who likes History sits immediate left to one of the extreme ends.
7. The person who likes Reasoning sits immediate right to one of the extreme ends.
8. Person who likes Geography and Quant sits at extreme ends.
9. The person who likes Quant and Reasoning never sits next to each other.

CASE1:

A (Quant)   (History)   (Physics)   E   G (Economics)   (Reasoniong)   B (Geography)

CASE2:

B (Geography)   (Reasoniong)   G (Economics)   E   (Physics)   (History)   A (Quant)

10. H is facing north direction and sits second to left of the one who likes Quant.
11. C is facing north direction and sits fourth to the right of the one who likes Physics.

There is no such space for C in CASE2 so CASE2 is cancelled out.

CASE1:

A (Quant)   (History)   H (Physics)   E   G (Economics)   C   (Reasoniong)   B (Geography)
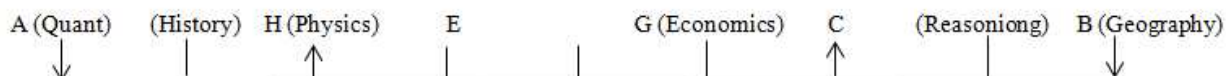
Expected LINEAR Seating Arrangement (Two Tier) for Upcoming Mains Exam

12. F and G sits next to each other.
13. The person who likes English sits immediate left of E.
14. I is facing north and is sits third to left of the person who likes English.
15. I is not an immediate neighbor of the person who likes Geography.
16. The person who likes Chemistry is not an immediate neighbor of to G.
17. G and D facing same direction as A facing.

CASE1:

A (Quant) I (History) H (Physics) E (Chemistry) F (English) G (Economics) C (Computer) D (Reasoniong) B (Geography)
↓ ↑ ↑ ↓ ↑ ↓ ↑ ↓ ↓

Final arrangement:

A (Quant) I (History) H (Physics) E (Chemistry) F (English) G (Economics) C (Computer) D (Reasoniong) B (Geography)
↓ ↑ ↑ ↓ ↑ ↓ ↑ ↓ ↓

46.a. 47.d. 48.a. 49.a. 50.e

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Line+Bar Graph for SBI Clerk/ RBI Assist. Mains – Data Interpretation

Line + Bar Graph

Directions (1 – 5): Study the following information and answer the following questions:

Following line graph shows Total number of Covid-19 Cases in five different states in three different months.
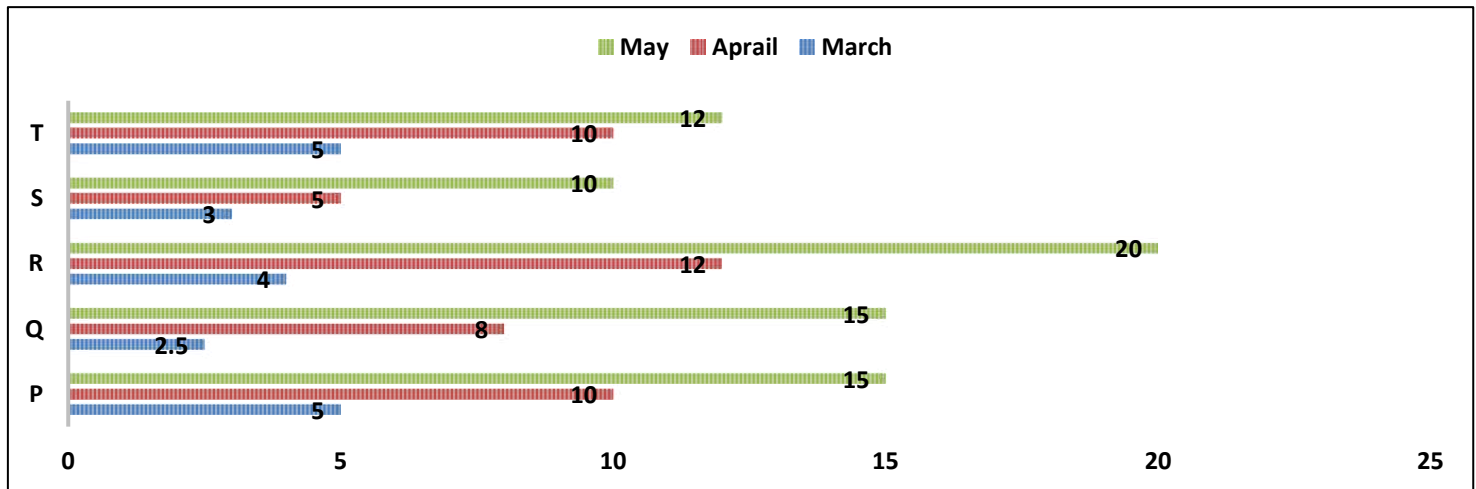
Note : Total number of cases = value in the bar x 100

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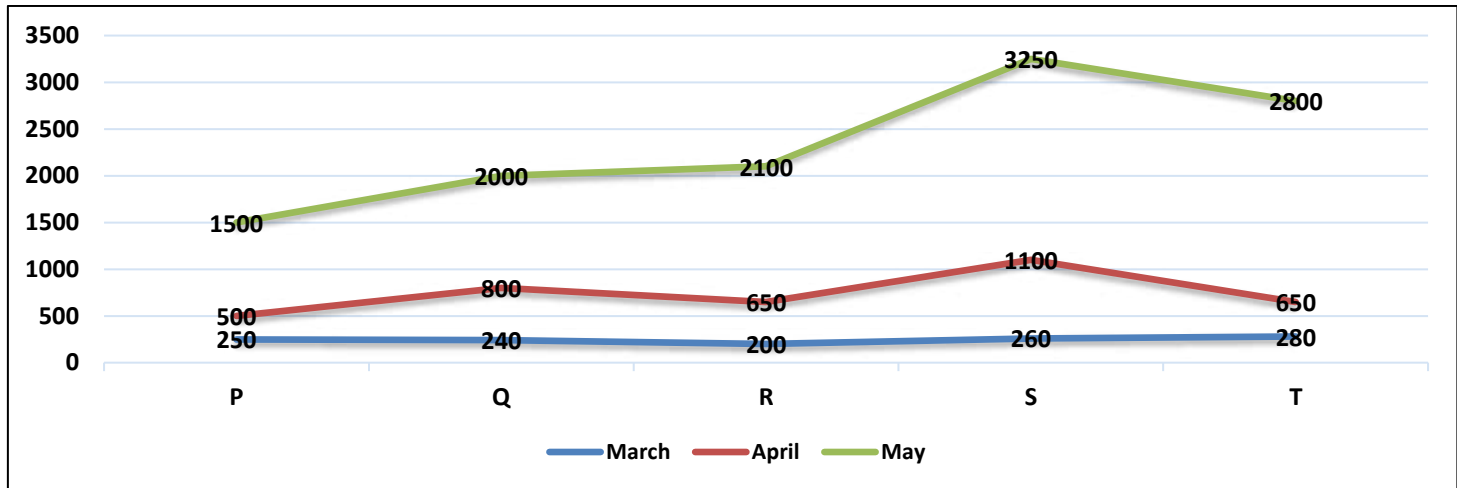
Following Bar graph show the % of death out of total number of Covid-19 cases in 3 different months in 5 states.

1. Total number of Covid-19 cases form P and R in May is what % more or less than the average number of Covid-19 cases in May from all the states together?	2. Which State has reported higher growth in death rate in May as compared to previous month?
a) 94.32%	a) R
b) 54.50%	b) Q
c) 97.52%	c) S
d) 88.52%	d) P
e) None of the above	e) Both R and S

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3. Find the ratio between total number of Deaths in State P, Q and R in May to Total number of deaths in April from the same state?

a) 315:64

b) 259:62

c) 292:62

d) 521:62

e) None of these

4. Total number of Covid-19 case from the state of S and T from all the months taken together is what % of total number of death in March from all the states together?

a) 12794%

b) 10594%

c) 21525%

d) 17267%

e) None of the above

5. Combined death rate of which of the following month is minimum (combined death rate = Total death in a month from all the state/Total number of Covid-19 case in a month from all the states)?
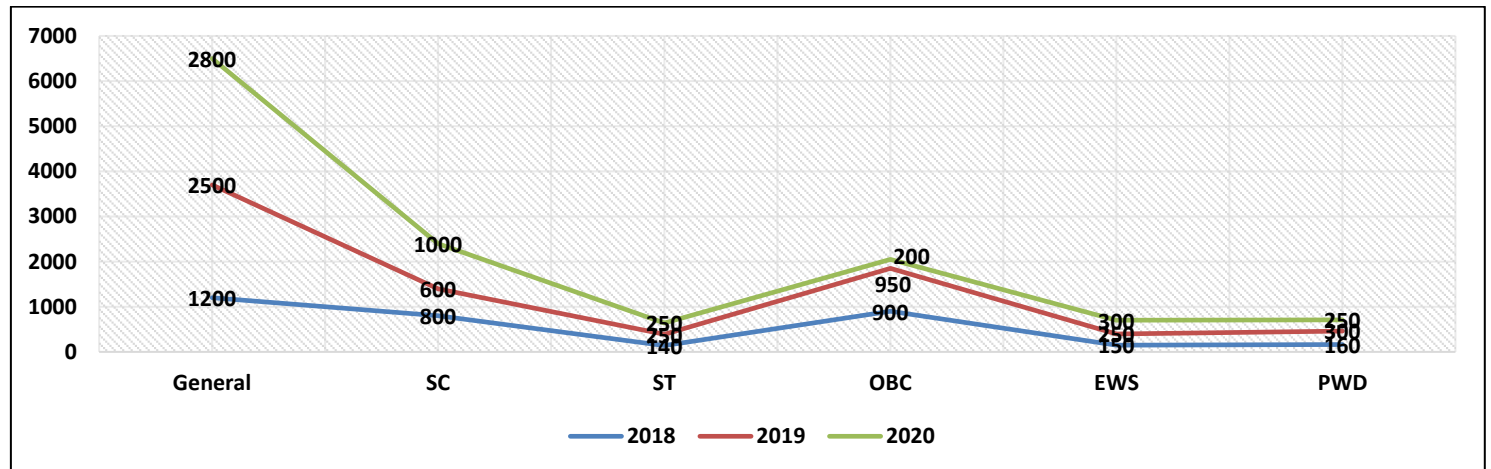
a) March

b) April

c) May

d) Both A and C

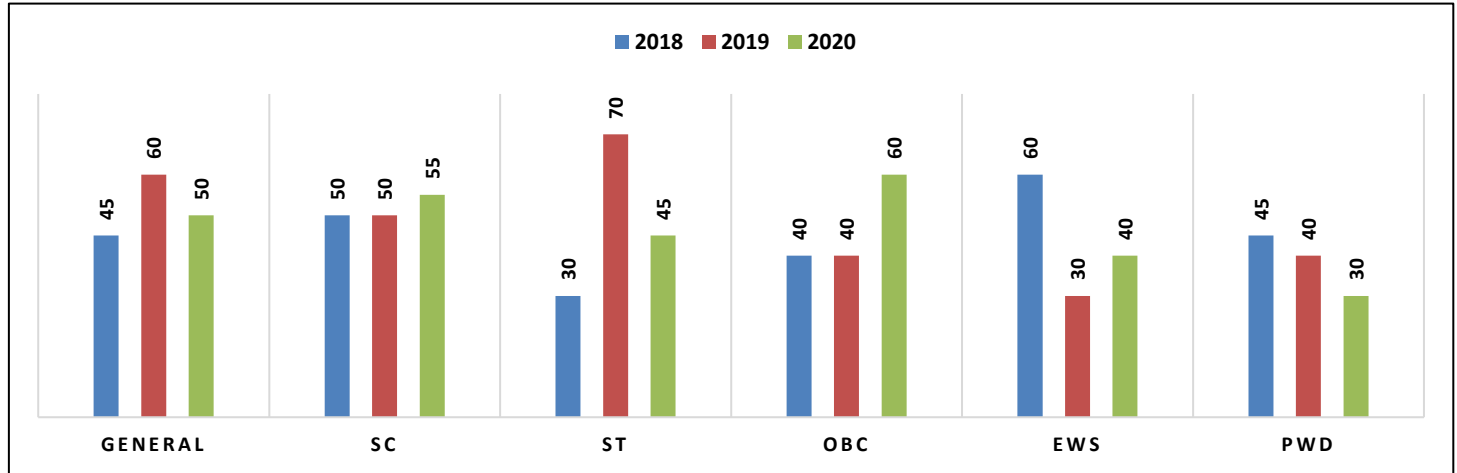e)None   of   these

Directions (6 – 10): Answer the questions based on the information given below.

The given Line graph shows the Total number of Student selected from General, SC, ST, OBC, EWS and PWD category in the exam of SBI PO in 2018, 2019 and 2020.

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Line+Bar Graph for SBI Clerk/ RBI Assist. Mains – Data Interpretation

(In the bar y axis should be aligned according to the value.the bar alse marked wrongly eg:in obc value 200 is marked above value 950.values are fine but bar chart is wrong) While the Bar Graph show the % of female out of total number of selected student from 2018, 2019 and 2020.

6. Total number of female selected form OBC category in 2019 is what % of total number of male selected from General category in 2018 and 2020 together?

a) 11.78 %

b) 11.38%

c) 18.45%

d) 14.25%

e) None of these

7.What is the ratio of total number of male student selected in 2019 to total number of female student selected in 2020 (From OBC and SC category)?

a) 20.81

b) 20.27

c) 21:20

d) 20:21

e) None of these

8. Selected Female from 2019 (from all categories) is how much more or less than the selected female from 2018 and 2020 (from General and EWS category)?

a) 450

b) 220

c) 250

d) 400

e) None of these

9. Total student selected form ST and SC category in 2018 is 25% of total number of student selected for SBI PO (from all categories) in 2021. Find out how many girls are selected in 2021 If ratio of male to female selected in 2021 is 9:11?

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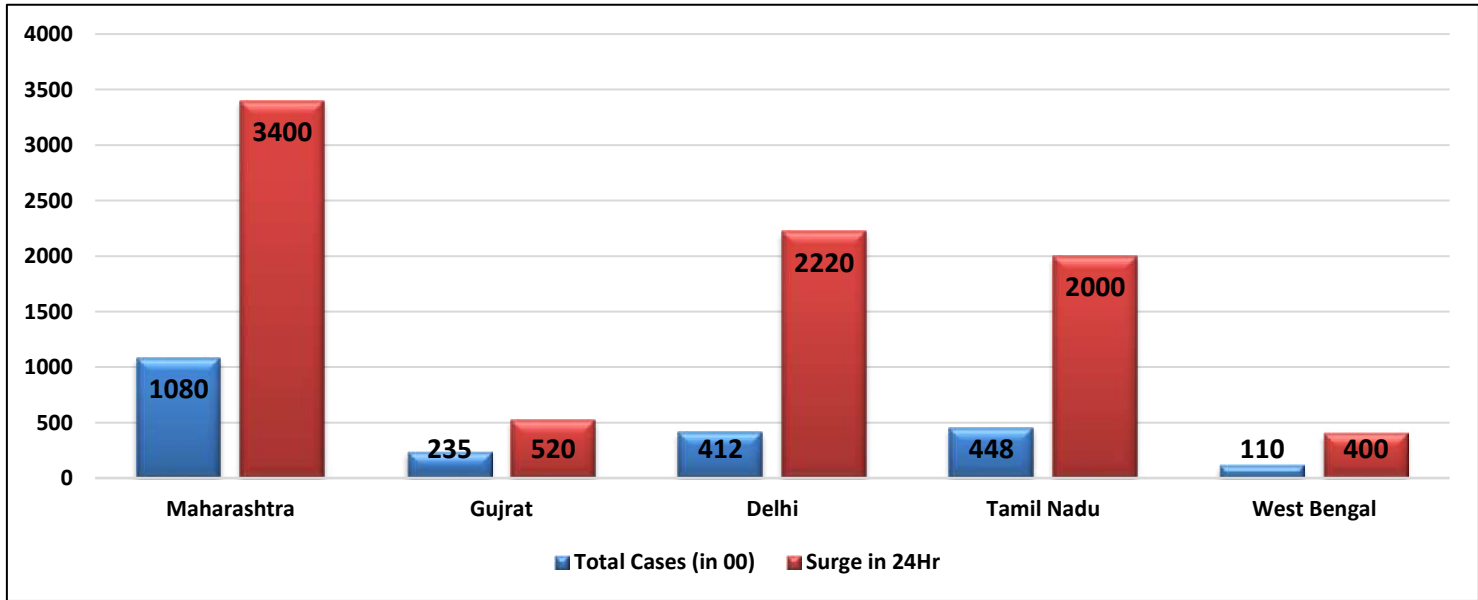|	
a) 2068	a) 2019
b) 1006	b) 2018
c) 524	c) 2020
d) 2063	d) Both A and B
e) None of these	e) None

10. Total number of male selected as SBI PO from General category is 2nd highest in which of the following year?
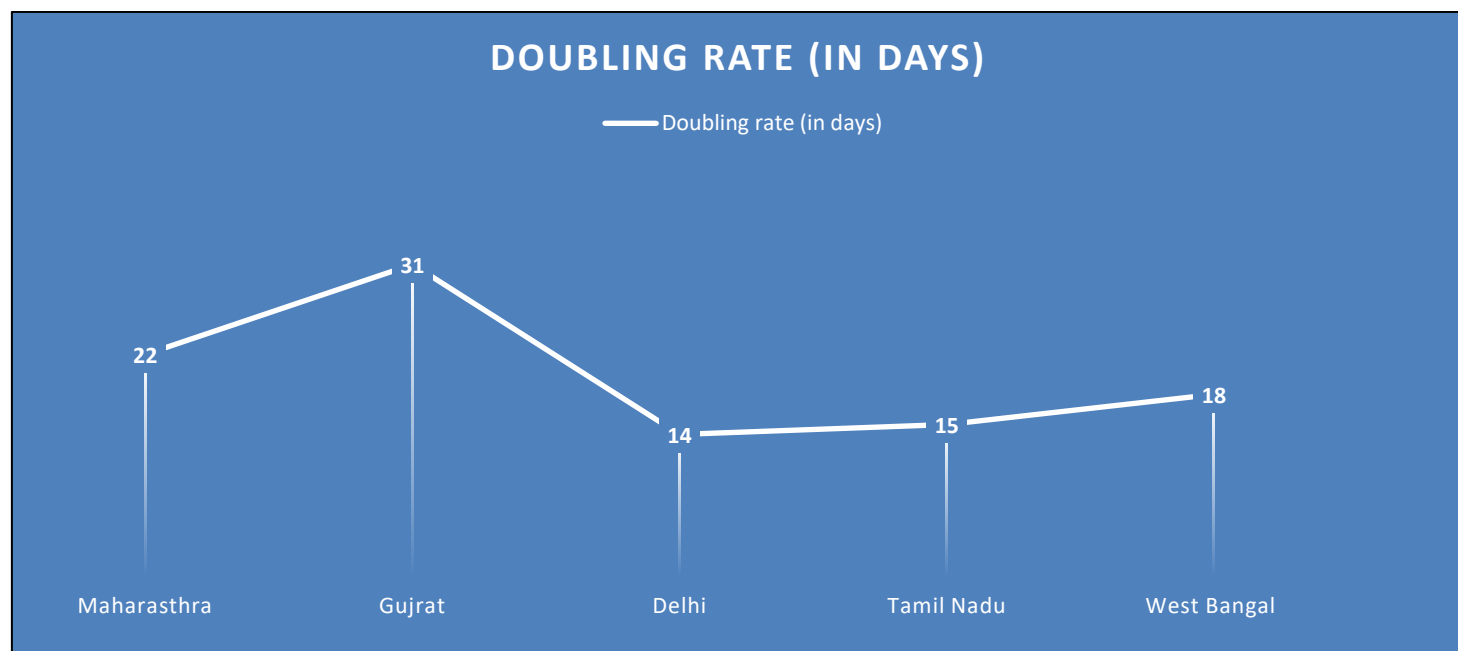
Directions (11 – 15): The following Bar graph show the total number of Covid-19 Cases in Top 5 State, till June 16, 2020 and Total number of Covid-19 case surge in last 24Hr. While Line graph below show the Doubling rate (Days in which Covid-19 case become double)

Note: total number of covid cases in june 16 = value in the chart x 100

Surge in 24 hours cases = value in the chart

Bar chart — Total number of Covid-19 Cases in Top 5 States:

State	Total Cases (in 00)	Surge in 24Hr
Maharashtra	1080	3400
Gujrat	235	520
Delhi	412	2220
Tamil Nadu	448	2000
West Bengal	110	400

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Line+Bar Graph for SBI Clerk/ RBI Assist. Mains – Data Interpretation

DOUBLING RATE (IN DAYS)

Doubling rate (in days)

Maharasthra	Gujrat	Delhi	Tamil Nadu	West Bangal
22	31	14	15	18

Note – Total number of Covid-19 cases given are including the data of Surge in 24 Hr.

Doubling Rate – Number of days in which Covid-19 case become double.

For example – Total cases of covid-19 cases on 16 June 2020 is 5000 and Total surge in 24 Hr. is 500, that means total case of Covid-19 on 15 June 2020 = 5000 – 500 = 4500

11. Total number of Covid-19 Cases on June 15, 2020 from the state of Maharashtra and Delhi is what % more or less than the total number of Covid-19 Cases on June 15, 2020 from all other state (Except Maharashtra and Delhi)?

a). 35.24%

b). 54.24%

c.) 78.44%

d). 87.98%

e). 75.24%

12. What is the ratio of total number of Covid-19 Cases after 30 days in the state of Tamil Nadu and West Bengal (Total number of Covid-19 cases is calculated as per doubling rate)?

a) 1750:335

b) 1344:275

c) 739:225

d) 1645:235

e) None of these

13. In how many days total case of Covid-19 become 70000 in the state of Delhi (Use doubling period to find the value)?

a) 11

b) 8

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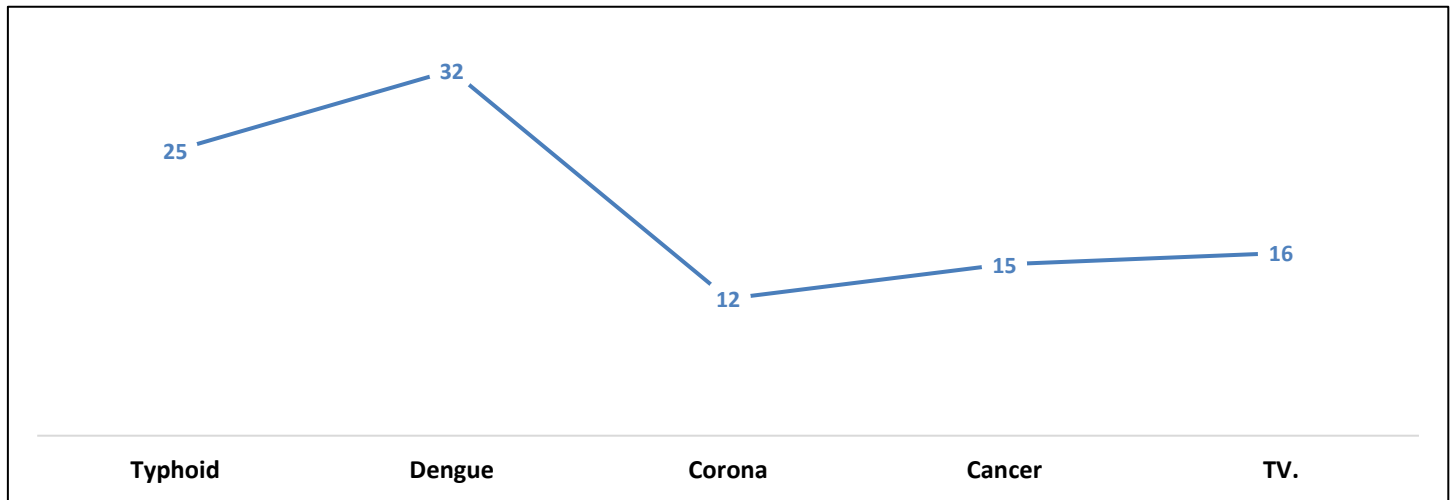
Line+Bar Graph for SBI Clerk/ RBI Assist. Mains – Data Interpretation

c) 9

d) 10

e) 12

14. What is average doubling period from all the state together?

a) 18

b) 12

c) 9

d) 20

e) None of these

15. Total Covid-19 cases of Tamil Nadu and West Bengal is how much % of total number of Covid-19 Case of Delhi and Gujarat on June 16, 2020?

a) 73.25%

b) 75.28%

c) 76.25%

d) 86.24%

e) None of these

Directions (16-20): Answer the questions based on the information given below. A survey was done by ICMR in 2020 on 160000 people to find out the number of people affected by different diseases.
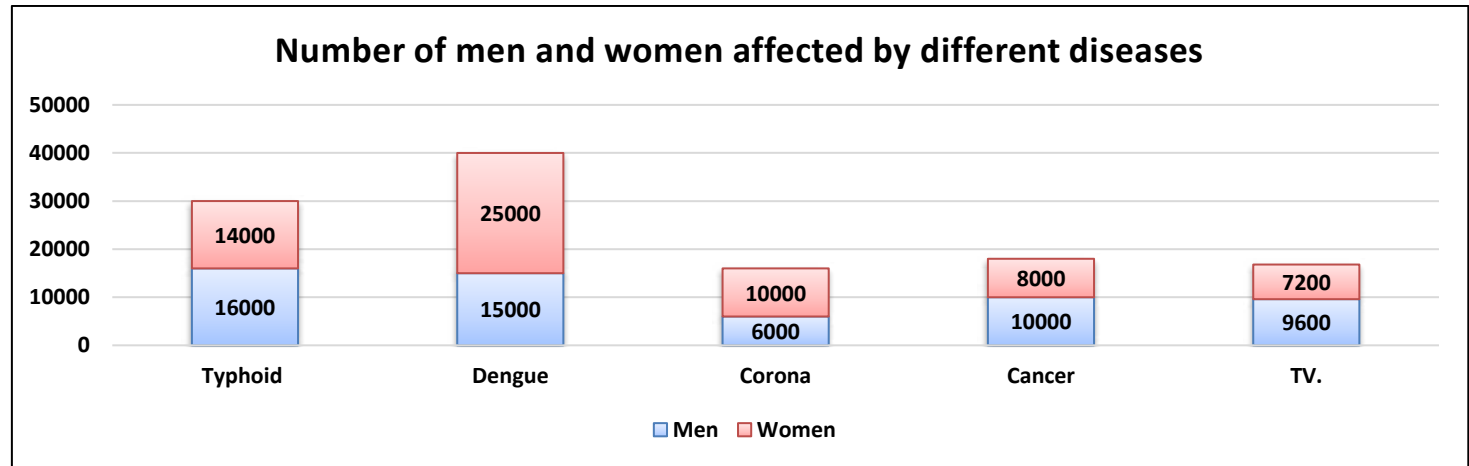
The given line graph show the data regarding the percentage of people affected by different diseases.

While the Bar graph show number of men and women affected by different diseases.

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Line+Bar Graph for SBI Clerk/ RBI Assist. Mains – Data Interpretation

Number of men and women affected by different diseases

Disease	Men	Women
Typhoid	16000	14000
Dengue	15000	25000
Corona	6000	10000
Cancer	10000	8000
TV.	9600	7200

☐ Men ☐ Women

Note – Number of people affected by a diseases = Number of (Men + Women + Children) affected by the disease.

16. Total number of people affected by Cancer and TV. Taken together is what % more or less than the total number of children's affected by Typhoid?
a) 396%
b) 356%
c) 290%
d) 255%
e) None of the above

17. Total number of people affected by Corona in 2020 is increased by 50% as compared to 2019, and then number of people affected by Corona in 2019 was what % of the number of men affected by TV. in 2020?
a) 64.32%
b) 133.33%
c) 164.33%
d) 126.25%

e) None of these

18. Find the ratio of number children affected by Typhoid and Corona taken together in 2020 to the number children affected by TV in 2020?
a) 2:3
b) 4:3
c) 3:2
d) None of above
e) Can't be determined

19. Find the difference between the average number of men affected by Corona and Cancer taken together and the average number of women affected by Cancer and TV. taken together?
a) 440
b) 640
c) 780
d) 450

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