

HOPE REASONING ABILITY ALL TOPIC EXAM 01

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

Seven Bank Managers A, B, C, D, E, F and G live on separate floors of a 7 floors building. Ground floor is numbered-1, first floor is numbered-2 and so on until the topmost floor is numbered-7. Each of them is the manager of seven different banks viz— SBI, RBI, BOB, PNB, Canara Bank, BOI and Central Bank but not necessarily in the same order.

G is not the manager of PNB. D does not live immediately above or immediately below A. The one who is the manager of SBI does not live immediately above or immediately below B. The one who is the manager of Canara Bank lives below the floor on which B lives. Only two people live between B and the one who is the manager of Canara Bank. E is not the manager of BOB. E lives immediately above C. Only three people live between the one who is the manager of BOI and the one who is the manager of BOB. The one who is the manager of RBI, lives on an even numbered floor. F lives immediately below the manager of RBI. Only one person lives between A and the one who is the manager of BOI. Only three people live above the floor on which A lives.

1. Which of the following is true with respect to G as per the given information?

- A) The one who lives immediately below G is the manager of RBI.
- B) G lives on floor numbered-7.
- C) G lives immediately below E.
- D) G lives on the lowermost floor.
- E) G is the manager of BOI.

2. Who amongst the following lives on the floor numbered-3?

- A) The one who is the manager of PNB.
- B) The one who is the manager of Canara Bank.
- C) The one who is the manager of SBI.
- D) The one who is the manager of BOB.
- E) The one who is the manager of BOI.

3. Who lives immediately above E?

- A) A
- B) B
- C) D
- D) G
- E) F

4. Four of the following five are alike in a certain way and so form a group. Which one does not belong to that group?

- A) C – BOI
- B) A – Central Bank
- C) G – RBI
- D) B – PNB
- E) E – Canara Bank

5. How many people live between the floors on which D and the manager of RBI live ?

- A) None B) Two
- C) One D) More than three
- E) Three

Directions (6-10) : Study the following information carefully and answer the questions given below:

Eight professors A, B, C, D, M, N, O and P are sitting around a circular table. Each of them teaches different subjects viz— Physics, Chemistry, Biology, Hindi, English, Mathematics, Sanskrit and History but not necessarily in the same order. Four professors are facing towards the centre while the remaining four are facing outwards from the centre.

P sits third to the left of D. The one who teaches English sits immediate right of P, who is not the professor of Sanskrit. C is fourth to the right of B. Neither B nor C is an immediate neighbour of P. M teaches History and sits third to the right of the one who teaches English. The one who teaches Chemistry sits second to the right of the one who teaches History. The one who teaches Physics sits second to the left of P. O is the professor of Biology and sits exactly between M and B. The one who teaches Mathematics sits second to the left of the one who teaches Biology. A sits third to the right of M. O is facing outside from the centre and is to the left of both M and B.

6. Which of the following combinations is correct?

- A) N – History
- B) P – Sanskrit
- C) M – Biology
- D) O – English
- E) N – Mathematics

7. The person who sits between A and N, teaches which of the following subjects?

- A) Sanskrit
- B) Mathematics
- C) English
- D) Hindi
- E) None of these

8. Which of the following statements is not true ?

- A) The one who is the professor of English sits second to the left of D.
- B) The one who teaches Chemistry and the one who teaches History are immediate neighbours.
- C) The one who teaches Mathematics sits opposite to D.
- D) Only 2 and 3
- E) None of these

9. What is the position of B with respect to the one who teaches Hindi?

- A) Third to the left
- B) Second to the right
- C) Fifth to the right
- D) Immediate left
- E) None of these

10. Which of the following statements is true regarding the one who teaches Sanskrit?

- A) The one who teaches Sanskrit sits second to the right of B.
- B) A teaches Sanskrit.
- C) D teaches Sanskrit and sits third to the left of N.
- D) The one who teaches Chemistry is an immediate neighbour of the one who teaches Sanskrit.
- E) None is true

In a certain code language

"MIXED BUNCH SYSTEM GRAPES" is written as "@26B, @38I, #8R, #16F"

"HAND STOOL FINAL MEMBER" is written as

"#24R, @8Z, #24G, @36V"

"SPEND FAST GOAL SUPER" is written as "#36F, @40Z, #8K, @24L"

"SERIAL RELAX FUNCTIONS EXAMS" is written as "@28F, #38C, @24V, #48V"

11. The code for the words 'MOVIE TICKET' is?

- A. @20L, #24F
- B. #10P, #38R
- C. #10L, @40R
- D. @24J, #12H
- E. None of these

12. The code for the word 'Happy' is?

- A. @40L
- B. #50Z
- C. @40Z
- D. #50Y
- E. None of these

13. The code '@2N' denotes which of the following word?

- A. SIGNALS
- B. LAPTOP
- C. ZONE
- D. UMBRELLA
- E. None of these

14. What will be the code for the words 'SHE HAS MANY SWEETS'?

- A. @10S, #40E, @26F, @38D
- B. @24D, #38Z, @38R, #16G
- C. #10S, #38Z, @50Z, @38D
- D. #42G, @32T, @50Z, #38D
- E. None of these

15. What is the code for 'FINAL'?

- A. @40L
- B. #24S
- C. #18S
- D. #24R
- E. None of these

Study the following information to answer the given questions

A\$B means A is not smaller than B

A%B means A is not greater than B

A@B means A is neither smaller than nor equal to B

A©B means A is neither greater than nor equal to B

A*B means A is neither greater than nor smaller than B

16. Statements: A © B, B % C, C @ D

Conclusions: I.D © B II.C @ A III.C \$ A

- A. Only I is true
- B. Only II is true
- C. Either I or II true
- D. Only III is true
- E. All I,II and III are true

17. Statements: P * Q, Q \$ R, R @ S

Conclusions: S © Q II.R % P III.S © P

- A. Only I is true
- B. Only II is true
- C. Only III is true
- D. Neither I nor II true
- E. All I, II and III are true

18. Statements: A \$ B, B @ C, C % D

Conclusions: I.D @ C II.C % A III.D @ A

- A. Only I is true
- B. Only II is true
- C. Only III is true
- D. None follow
- E. All I, II and III are true

19. Statements: M % N, N @ O, O \$ P

Conclusions: I. P © N II. P % N III.P©M

- A. Only I is true
- B. Only II is true
- C. Only III is true
- D. Neither I nor II true
- E. All I, II and III are true

20. Statements: W © X, X *Y, Y%Z

Conclusions: Y @ W II.Z \$ X III.Z @ W

- A. Only I is true
- B. Only II is true
- C. Only III is true
- D. Neither I nor II true
- E. All I,II and III are true

In the following questions, only one Conclusion is given and five statements are given. From this, you have to take the statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given statement logically follows.

21. Conclusions:

Some trucks are car is a possibility

Some jeeps are bus

Some jeeps are trucks

All cars are truck is a possibility

Statements:

I. Some cars are bus. Some buses are truck. Some trucks are jeep

II. All cars are bus. Some buses are not truck. Some trucks are jeep

III. No cars are bus. All buses are truck. No trucks are jeep.

IV. All cars are bus. Some buses are truck. All trucks are jeep.

V. All cars are bus. No buses are truck. All trucks are jeep.

- A. Only (I)
- B. Only (II)
- C. Only (III)
- D. Only (IV)
- E. None of these

22. Conclusions:

Some pens are pencil.

Some pens are chairs.

Some boxes are pen.

Some pencils are box is a possibility.

Statements:

I. No pencils are chairs. All chairs are pen. Some pens are

- box.
 II. Some pencils are chairs. All chairs are pen. Some pens are box.
 III. All pencils are chairs. No chairs are pen. All pens are box.
 IV. All pencils are not chairs. All chairs are pen. Some pens are not box.
 V. No pencils are chairs. Some chairs are pen. All pens are box.
 A. Only (I)
 B. Only (II)
 C. Both (a) and (III)
 D. Only (IV)
 E. None of these

23. Conclusions:

Some windows are doors
 Some fans are doors
 Some windows are boxes
 Some windows are fans

Statements:

- I. Some doors are boxes. No boxes are fans. Some fans are window.
 II. All doors are boxes. Some boxes are fans. Some fans are window.
 III. All doors are boxes. No boxes are fans. All fans are window.
 IV. All doors are boxes. All boxes are fans. All fans are window.
 V. Some doors are boxes. Some boxes are fans. Some fans are window.
 A. Both (II)&(IV)
 B. Only (I)
 C. Only (III)
 D. Only (IV)
 E. None of these

24. Conclusions:

No radio is a mobile
 Some watches are not T.Vs
 Some watches are not radio
 Some T.Vs are radio

Statements:

- I. All radios are T.Vs. No T.Vs is mobile. Some mobiles are watches.
 II. All radios are T.Vs. Some T.Vs is mobile. Some mobiles are watches.
 III. All radios are T.Vs. No T.Vs is mobile. No mobiles are watches.
 IV. No radios are T.Vs. No T.Vs is mobile. Some mobiles are watches.
 V. No radios are T.Vs. No T.Vs is mobile. No mobiles are watches.
 A. Only (I)
 B. Only (II)
 C. Both (III)&(V)
 D. Only (IV)
 E. None of these

25. Conclusions:

Some papers are cloth
 Some files are needles is a possibility
 Some files are cloth
 Some files are papers is a possibility

Statements:

- I. Some papers are not needles. All needles are cloth. No cloth are files.
 II. Some papers are needles. Some needles are cloth. Some cloth are files.
 III. Some papers are needles. All needles are cloth. Some cloth are files.
 IV. No papers are needles. All needles are cloth. Some cloth are files.
 V. Some papers are needles. No needles are cloth. No cloth are files.
 A. Only (I)
 B. Only (II)
 C. Only (III)
 D. Only (IV)
 E. None of these

A word and number arrangement machine, when given an input line of words and numbers, rearranges them following a unique rule in each step. Following is an illustration of input and rearrangement.

Input: Punjab Haryana 82 Kashmir 35 14 Assam 66 50 Mizoram

Step I: 66 Punjab 82 Kashmir 35 14 Assam 50 Mizoram Haryana

Step II: 35 66 Punjab 82 Kashmir 14 50 Mizoram Haryana Assam

Step III: 14 35 66 Punjab 82 Kashmir 50 Haryana Assam Mizoram

Step IV: 50 14 35 66 82 Kashmir Haryana Assam Mizoram Punjab

Step V: 82 50 14 35 66 Haryana Assam Mizoram Punjab Kashmir

Step V is the last step of the arrangement. As per the rules followed in the above steps, Find out the appropriate answer for the each question for the given input.

Input: White Black 42 Brown 85 Merun 99 Green 84 39

26. If in step III Black and Brown gets interchanged and if 99 and 39 get interchanged, then which element will be 4th from the right end?

- A. Brown
 B. 99
 C. 39
 D. Black
 E. None of these

27. Which element is third to the left of the one which is 8th from the left end in the last but one step of the given Input?

- A. 99
 B. Black
 C. 39
 D. No such element
 E. None of these

28. Which element comes exactly between 85 and Brown in the last step?

- A. White
 B. 42
 C. Merun
 D. 99
 E. None of these

29. In which step ' Black Green 84 39 and Merun ' comes in the same order?

- A. Step II
- B. Step III
- C. Step IV
- D. No such step
- E. None of these

30. In how many steps does Green comes before Merun?

- A. One
- B. Two
- C. Three
- D. Four
- E. None of these

Direction(1-3): Read the following and answer the questions given below:

There are 8 people standing randomly. B is 4m to the east of A. C is 5m to the north of B. Distance between C and D is 10m. D is to the east of C. E is 10 m to the South of D. H is 5m to the west of G. E is 6m to the east of F. F is 1m to the south of G.

31. What is the shortest distance between A and H?

- A. 6m
- B. 4m
- C. 5m
- D. 3m
- E. None of these

32. In which direction is H with respect to E?

- A. West-North
- B. East-North
- C. East-South
- D. West-South
- E. None of these

33. What is the longest distance between C and F?

- A. 20
- B. 24
- C. 26
- D. 30
- E. None of these

Read the following passage carefully and answer the questions given below.

A is sister of B. E is brother of B. E is son of H. H is married to F. F is daughter of G. F has only one daughter. G is married to C. E is brother of D. D is married to I.

34. How is I related to A?

- A. Sister
- B. Mother
- C. Daughter-in-law
- D. Sister-in-law
- E. None of these

35. If M is brother of C then how is G related to M ?

- A. Cousin
- B. Uncle
- C. Brother
- D. Can't be determined
- E. None of these

36. If R is daughter of I then how B is related to R ?

- A. Uncle
- B. Brother

- C. Father
- D. Can't be determined
- E. None of these

Read the following information carefully to answer the given questions:

Point F is 3 meters to the north of point E. Point C is 6 meters to the south of point D. Shortest distance between D and A is 8 meters. Point A is to the West of point B. Ravish started walking from point E and after walking 4 meters ahead he reached point D from where he kept on walking in the same direction from where he started and reached point B after walking 12 meters. Point A lies somewhere between point D and B in a straight line.

37. What is the shortest distance between point D and F?

- A. 2 meters
- B. 3 meters
- C. 4 meters
- D. 5 meters
- E. None of these

38. In which direction did Ravish started his journey?

- A. North
- B. East
- C. West
- D. South-East
- E. None of these

39. What is the shortest distance between point C and A?

- A. 14 meters
- B. 8 meters
- C. 10 meters
- D. 12 meters
- E. None of these

40. Which of the following two points are farthest from each other?

- A. C and B
- B. E and B
- C. F and C
- D. F and B
- E. A and F