

- If the data given in statement I alone are sufficient to answer the question whereas the data given in statement II alone are not sufficient to answer the question
- If the data given in statement II alone are sufficient to answer the question whereas the data given in statement I alone are not sufficient to answer the question
- If the data in either statement I alone or in statement II alone are sufficient to answer the question
- If the data in both the statements I and II are not sufficient to answer the question
- If the data given in both the statements I and II are necessary to answer the question

Directions (15-17):- Given below are two quantities, quantity I and quantity II. Based on the given information, you have to determine the relation between the two quantities. You should use the given data to choose between the possible answers.

15. Quantity I: x where $2x^2 - 2.5x + 0.5 = 0$

Quantity II: y where $2y^2 - 6y + 4 = 0$

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

16. Selling price of an item is Rs. 1500.

Quantity I: Cost price when loss is at least 20%.

Quantity II: Marked price when discount is at most 20%.

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

17. Cost price of an item is Rs. 2000

Quantity I: Selling price when profit is at least 20%.

Quantity II: Selling price when cost price is four-fifth of the marked price when discount is at most 10%.

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

Directions (18-20):- Each question contains a statement followed by Quantity I and Quantity II. Read the contents clearly and give answer as,

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

18. **Quantity I:** A boat can cover 84 km upstream in 126 minutes. If the speed of the boat in still water is $\frac{7}{3}$ of the current, then how much distance (in km) can the boat cover downstream in 39 minutes?

Quantity II: Speed of a man in still water is 15 km/hr and the river is running at 5 km/hr. The total time taken to go to a place and come back is 60 hours. Find the distance travelled by the man?

19. A bag contains, 2 pink, 7 yellow and 7 black balls.

Quantity I: If 3 balls are drawn randomly, then find the probability of getting at least one yellow ball?

Quantity II: If 2 balls are drawn randomly, then find the probability of getting both the balls are either pink or yellow?

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

20. **Quantity I:** A bangle was sold for Rs. 320 with a profit of 60%. If it were sold for Rs. 240, then what would have been the percentage of profit?

Quantity II: A person bought two books for Rs. 500 each. He sold one at a profit of 20% and the other at a loss of 10%. What would be his overall profit or loss percentage in the whole transaction?

- Quantity I > Quantity II
- Quantity I \geq Quantity II
- Quantity II > Quantity I
- Quantity II \geq Quantity I
- Quantity I = Quantity II or Relation cannot be established

REASONING

21. How many pairs of letters in the word "EXXAGERATE" have the same number of letters between them in the word (in both forward and backward directions), as they have in the English alphabetical series?

- 3
- 2
- 1
- 0
- 4

Directions(22-24): Read the direction carefully and answer the questions that follow:

- a @ b means a is 7km left of b
- a # b means a is 4 km right of b
- a % b means a is 6km north of b
- a \$ b means b is 5km south of a

22. By adding the equations 'P \$ Q % R' and 'Q @ S', what is the direction of S with respect to R?

- North - West
- South - West
- North - East
- South - East
- Can't be determined

23. What is the diagrammatical representation of the equation E # J @ O % T?

-
-
-
-

5. None of these

24. Consider the equation A @ Q % R and R # S. If S moves 6km from his/her position towards north then what is the distance between A and S

(Assume all are facing north)?

- 1.2 km
- 3 km
- 4 km
- 5 km
- 6 km

Directions(25-29): Study the given information carefully and answer the following questions below.

In Raj's room almirah there are 10 shelves on one above another. Raj has placed 8 different boxes named as A1, B2, C3, D4, E5, F6, G7 and H8 in these shelves. Only one box is placed in each shelf except the two shelves which are vacant. There is a number written on each shelf from 1 to 10. Number 1 is written on the topmost shelf, number 2 is written on the shelf which is immediately below the shelf 1 and others are accordingly. There are three shelves below the box B2. Number of shelves below the box D4 is same as the number of shelves above the box F6. Box D4 is placed below the box B2 but not immediately. Box A1 is placed 6 places below the box H8. Box C3 is placed 2 places above the box E5 and no box is placed between them. Box C3 is not placed at shelf 3. Box G7 is neither placed at odd numbered position nor immediately below the box F6.

25. Which of the following two shelves are vacant?

1. Shelf 1 and Shelf 4
2. Shelf 2 and Shelf 5
3. Shelf 3 and Shelf 8
4. Shelf 4 and Shelf 7
5. Shelf 6 and Shelf 8

26. Which box is placed at shelf 9?

1. Box A1
2. Box B2
3. Box C3
4. Box D4
5. Box E5

27. Box G7 is placed at which of the following shelf?

1. Shelf 3
2. Shelf 4
3. Shelf 5
4. Shelf 7
5. Shelf 8

28. How many shelves are there below the box F6?

1. Five
2. Six
3. Seven
4. Eight
5. Nine

29. Which of the following combinations is/are correct?

1. Shelf 3, Box H8
2. Shelf 4, Box C3
3. Shelf 6, Box E5
4. Shelf 7, Box B2
5. All are correct

Direction(30-34): In a certain number system there are only two notations to represent numbers: % and &.

0 is represented by % and 1 by &. The subsequent numbers are represented in the following manner:

- 2 is represented as &%,
3 is represented as &&%,
4 is represented as &%%,
5 is represented as &%& and so on.

Based on this coded language, answer the following questions.

30. What is the resultant of the following expression?

&&&&&% ÷ &%%& × &%&

1. &%%&&
2. &%%&&&
3. &&%&&&
4. &&%%&&&
5. None of these

31. What is the resultant of the following expression?

&%&&&& + &%%&&&& - &&%% × &%&

1. &&&%%&
2. &&&&%
3. &&&&%
4. &&&&%
5. None of these

32. What is the resultant of the following expression?

&&%% × &&& ÷ && + &&&& × &%%

1. &%%&&%%
2. &%&&%%%
3. &%&&%%&
4. &&%&&%%
5. None of these

33. What will be the possible code for "34 × 7"?

1. &&&&&&&
2. &&&&&&%
3. &&&&&&&
4. &&&&%&&
5. None of these

34. What will be the sum of "&%&&%%", "&%&&%%" and "&&&&%%"?

1. &&&&%%&
2. &&&&%&&
3. &&&%%&
4. %&&%%&
5. None of these

Directions(35-37): Study the following information carefully to answer the given questions:

If '1 + 2' means '1 is the father of 2'

If '1 × 2' means '1 is the sister of 2'

If '1 - 2' means '1 is the wife of 2'

If '1 % 2' means '1 is the mother of 2'

If '1 ÷ 2' means '1 is the son of 2'

35. If 'O ÷ P % H × T % L' is given, then how is O related to T?

1. Brother
2. Uncle
3. Sister
4. Father
5. Son

36. Which among the given expression indicate that 'A is the daughter of D'?

1. L % R - D + T × A
2. L + R - D + A × T
3. L % R % D + T ÷ A
4. D + L - R + A × T
5. L - D ÷ R % A ÷ T

37. Which of the following opinions is true if the expression 'B + T % J × L ÷ K' is definitely true?

1. L is the daughter of T
2. K is the son-in-law of B
3. B is the grandmother of L
4. T is the father of J
5. J is the brother of L

Direction(38-40): In the following questions, the symbols #, @, \$, % are used with the following meaning illustrated.

'M # N' means 'M is neither smaller than nor equal to N'

'M @ N' means 'M is neither greater than nor equal to N'

'M \$ N' means 'M is not smaller than N'

'M * N' means 'M is not greater than N'

'M & N' means 'M is neither greater than nor smaller than N'

Now in each of the following questions assuming the given statements to be true, find which of the four conclusions given below them is/are definitely true and give your answer accordingly.

38. Statement: 1 @ 2 * C, D \$ E & C, F # D

Conclusion:

I. D \$ 2

II. F @ 1

III. C \$ F

IV. D @ 1

1. Both I and II are true
2. Either III or IV is true
3. Only I is true
4. Only II is true
5. None is true

39. Statement: 6 \$ Q, S # T & Q, T @ U * V

Conclusion:

I. S # U

- II. 6 \$ S
III. S # 6
IV. V @ T
1. Only I is true
2. Only either II or III is true
3. Only I and III are true
4. Both II and III are true
5. Only IV is true
- 40. Statement:** 1 \$ 2&3, D \$ 1 # E, E @ F \$ G
Conclusion:
I. 2 * G
II. 1 # F
III. 3 # G
IV. D & E
1. Only either I or III
2. Only either II or IV are true
3. Only III and I are true
4. Only II, III and IV are true
5. Only either I or III and either II or IV are true
- 41. Algorithm is used -----**
1. To bring itself into desired state by its own action
2. To perform logarithmic operations
3. To describe a set of procedure by given result is obtained
4. As a high level language
- 42. Who is considered to the father of computers?**
1. John Bardeen
2. Charles Babbage
3. John Backus
4. William Shockley
5. None of these
- 43. Which of the following will connect you to the Internet?**
1. An Commercial online service
2. An Internet service provider
3. A network connection
4. All of the above
5. None of these
- 44. When more than one window is open, to switch to the next window — is the key combination.**
1. CTRL+F5
2. CTRL+F6
3. CTRL+F7
4. CTRL+F8
5. None of these
- 45. Where are data and program stored when the processor uses them ?**
1. Main memory
2. Secondary memory
3. Disk memory
4. Program memory
5. None of these
- 46. Represents raw facts, where- as is a meaningful data.**
1. Information, reporting
2. Data, information
3. Information, bits
4. Records, bytes
5. Bits, bytes
- 47. Saving is a process-**
1. To copy the document from memory to storage medium
2. To bring change in present status of the document
3. To change entire form
4. All of the above
- 48. PNG stands for**
1. Potable Name Generator
2. Portable Network Generator
3. Printed Name Graphics
4. Portable Network Graphics
5. None of these

49. The maximum Zoom percentage in MS PowerPoint is

1. 100%
2. 200%
3. 400%
4. 500%

50. The word '_FTP' stands for

1. File Translate Protocol
2. File Transit Protocol
3. File Typing Protocol
4. File Transfer Protocol
5. None of these

ENGLISH

Direction (Q. 51 - 60): In the following passage there are blanks, each of which has been labeled with numbers from 1 to 10. Against each blank, four alternatives are suggested. Choose the most appropriate word for each blank. Choose option (5) if none of the first four options is correct.

The smoke from the farm fires refuses to recede with the revelation that Punjab failed to collect fine from the farmers booked for stubble burning 1 a Supreme Court order. Only a 2 Rs 1 lakh has been collected against the Rs 6.1 crore levied. In a 3 agricultural state, farmers are an important group, economically and politically, which may explain the reluctance to act strictly against them, more so with the rabi or wheat-sowing season in progress. Stubble burning has become 4 and Punjab Agricultural University (PAU) attributes the severity of its impact during October-November to factors like low temperature, wind direction and vehicular pollution. The practice affects the health of the soil, 5 contributing to global warming, ailments and traffic mishaps. The PAU has claimed that the incidents of farm fire and the 6 under stubble burning have come down as compared to the previous year.

Maintaining sustainable development, taking precautions and 7 the polluter pay are the core principles on which the National Green Tribunal (NGT) operates, while also recognising the citizens' right to a clean environment. It divided landholdings 8 three categories and fixed the amount for penalty in slabs. The state governments were asked to pay subsidy on machines used to manage paddy straw, based on the size of the landholdings; farmers owning less than 0.8 hectare were 9 to get the machines free of cost. But both Punjab and Haryana blamed the Centre for reducing subsidy on farm equipment, hindering their efforts, the blame game not surprising for a subject that encompasses food security as well as rural economy where agricultural distress can tell on the health of the urban centres by 10 demand.

51. Which of the following words will appropriately fill the blank 1?

1. following
2. despite
3. reserved
4. besides
5. None of the above

52. Which of the following words will appropriately fill the blank 2?

1. charge
2. garner
3. sum
4. paltry
5. None of the above

53. Which of the following words will appropriately fill the blank 3?

1. predominantly
3. different
5. None of the above

54. Which of the following words will appropriately fill the **blank 4**?

1. occasional
3. mild
5. None of the above

55. Which of the following words will appropriately fill the **blank 5**?

1. subscribe
3. engrossed
5. None of the above

56. Which of the following words will appropriately fill the **blank 6**?

1. acreage
3. stability
5. None of the above

57. Which of the following words will appropriately fill the **blank 7**?

1. making
3. deterring
5. None of the above

58. Which of the following words will appropriately fill the **blank 8**?

1. for
3. into
5. None of the above

59. Which of the following words will appropriately fill the **blank 9**?

1. asked
3. stipulated
5. None of the above

60. Which of the following words will appropriately fill the **blank 10**?

1. lessen
3. dwindles
5. None of the above

Direction (Q. 61 - 70): Some sentences are given below. In each sentence a phrase is printed in bold. Below each sentence, four phrases labeled (1), (2), (3), and (4) are given which can be replaced with the bold phrase to make the sentence grammatically correct. If the sentence is correct; choose option (5) as the answer.

61. Thirty-four persons injured in the attack, **who was bring** to the All India Institute of Medical Sciences (AIIMS) on Sunday night, were discharged after treatment.

1. who were brought
3. whom were brought
5. No improvement required

62. Iraq is a crucial ally for the U.S. in the war against terrorism in West Asia, and the Trump administration has nobody to **blame but itself** for the setback.

1. blames on itself for
3. blamed itself for
5. No improvement required

2. countryside
4. dedicated

2. chronic
4. gravity

2. varied
4. undertaken

2. formula
4. vex

2. ask
4. dissuade

2. by

2. prescribe
4. required

2. diminish
4. lowering

63. The vote by Iraqi parliamentarians **by favor of a resolution** seeking to expel American troops on Sunday was the first blowback the U.S. faced after it assassinated Iranian General Qassem Soleimani inside Iraq on Friday.

1. favoring of a resolution
3. in favor of a resolution
5. No improvement required

64. The JNUSU and a number of faculty members **have accusing** the Delhi police of being bystanders to the violence and allowing the attackers to leave the premises after going on the rampage for several hours.

1. has accused
3. have accuse
5. No improvement required

65. The Supreme Court on Monday ordered that children excluded from the National Register of Citizens for Assam but whose parents/guardians/caregivers were part of the final list **not be sent** to detention camps or separated from their loved ones at any cost.

1. should not being sent to
3. should not be sending to
5. No improvement required

66. The son of Bangladeshi immigrants Rashidul and Shaheda Bari, Soborno, whose EQ is as formidably developed as his IQ, displays astonishing wit, sang-froid and humanism in his talk that **could to give any eminent** public intellectual a run for his money.

1. could gives any eminent
3. could giving any eminent
5. No improvement required

67. Under the Wildlife Protection Act, forest department officials **have began a probe** into the recovery of a tiger carcass from inside Mahadaya Wildlife Sanctuary in Sattari taluka in North Goa, officials said on Monday.

1. have begun an probe
3. have begin a probe
5. No improvement required

68. The violence on Jawaharlal Nehru University (JNU)'s campus raises serious questions **on the ability of the administration** to provide security to students in a premier institution.

1. on the ability to the administration
2. by the ability of the administration
3. on the able of the administration
4. on the ability in the administration
5. No improvement required

69. A regressive culture of ad hocism **has unfortunate percolated through** India's education system and engendered a sense of despondency among the temporary and contractual teachers.

1. have unfortunately percolated through
2. has unfortunately percolated on
3. has unfortunately percolated through
4. has unfortunately percolate
5. No improvement required

70. The war which has exercised so potent an influence in shattering the long accepted order of things in general **has emphasize the need for considering the claims** of medicine from a new angle of vision, and for placing the various departments of medical relief on a co-ordinated and well-established basis.

1. has emphasized the need for considering the claims

2. have emphasized the need for considering the claims
3. has emphasized in the need for considering the claims
4. has emphasized the need for consider the claims
5. No improvement required

G.K

71. The Clearing Corporation of India Ltd. (CCIL) was set up in-

1. December 2010
2. February 1995
3. September 2006
4. April 2001
5. March 1999

72. The availability of cash and other cash like marketable instruments that are useful in purchases and investments are commonly known as

1. cash crunch
2. liquidity
3. credit
4. marketability
5. None of these

73. Yeoman' butterfly was declared as which state butterfly?

1. Maharashtra
2. Tamil Nadu
3. Karnataka
4. Gujarat
5. None of these

74. Bharat BillPay transaction can be initiated through multiple payment channels like-

1. Internet Banking
2. Mobile-Banking
3. Point of Sale terminal
4. Mobile Point of Sale terminal
5. All of the above

75. Who was Conferred with Bharat Gaurav Award 2019?

1. Sachin Tendulkar
2. Rahul Dravid
3. Virat Kohli
4. Kapil Dev
5. None of these

76. How many new states has been elected by the United Nation General Assembly for UN Human Rights Council (UNHRC)?

1. 14 States
2. 16 States
3. 17 States
4. 18 States
5. None of these

77. The place where bankers meet and settle their mutual claims and accounts is known as :

1. Dumping Ground
2. Collecting Centre
3. Clearing House
4. Treasury
5. None of these

78. Where is the Head Office of AU Small Finance Bank?

1. Muzaffarpur
2. Fatehpur
3. Kanpur
4. Nagpur
5. Jaipur

79. Which firm has partnered Ministry of Electronics and Information Technology (MeitY) for launching "Build For Digital India" Programme?

1. Amazon
2. Microsoft
3. Google
4. Apple
5. None of these

80. General utility services of banks include

1. issue of traveller's cheques
2. underwriting securities issued by government, public or private bodies
3. purchase and sale of foreign exchange
4. All of the above

5. None of these

81. Where was the 14th Edition of KONKAN-19 series of annual bilateral navy exercises held?

1. United States (U.S)
2. United Kingdom (U.K)
3. Russia
4. India
5. None of these

82. Name the general insurance company, which has partnered with ZestMoney to offer credit card insurance to its (Zest Money) customers.

1. Acko General Insurance
2. Bajaj Allianz General Insurance
3. HDFC ERGO General Insurance
4. ICICI Lombard
5. None of these

83. _____ is a one year cover, renewable from year to year, Accident Insurance Scheme offering accidental death and disability cover for death or disability on account of an accident.

1. PMGKY
2. PMMY
3. PMSBY
4. APY
5. PMJJBY

84. Export-Import Bank of India is the premier export finance institution in India, established in _____ under Export-Import Bank of India Act 1981.

1. 1992
2. 1988
3. 1983
4. 1990
5. 1982

85. Which Act was framed especially to deal with Non-Performing Assets(NPA)?

1. Banking Regulation Act 1949
2. Foreign Exchange Management Act(FEMA) 1999
3. Industrial Disputes Act 1947
4. SARFAESI Act, 2002
5. None of the given options is true

86. The Delhi government has recently launched "champions campaign" to fight against which disease?

1. Malaria
2. Chikungunya
3. Dengue
4. Polio
5. None of these

87. Name the Indian girl who was crowned the Miss Deaf World 2019 title in an international beauty pageant held in Mbombela, South Africa.

1. Koyal Rana
2. Anukriti Gusain
3. Vidisha Baliyan
4. Suman Rao
5. None of these

88. Name the noted philanthropist, who has won the 2019 Sasthaaram Award?

1. Unni Menon
2. V A Shrikumar Menon
3. K P Nandakumar
4. M Padmakuma
5. None of these

89. Which of the following is not considered a money market instrument?

1. Treasury bills
2. Repurchase Agreement
3. Commercial Paper
4. Certificate of deposit
5. Shares and bonds

90. Karwar is a city in Karnataka, situated on which river?

1. Panchaganga River
2. Kali River
3. Minachil River
4. Savitri river

5. None of these

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