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The Education Network

**SBI PO 2015
PRELIM (TIER – I) EXAM
MODEL PAPER - 2**

Dear PaGaLGuY readers,

This question paper consists of 100 questions which are spread across 3 sections – English Language, Quantitative Aptitude and Reasoning. The duration of prelim exam is 1 hour. The exam carries negative marking. 0.25 marks will be deducted for each wrong answer.

Sections	Number of questions	Marks	Duration of Exam
1. English Language	30	30	
2. Quantitative Aptitude	35	35	60 minutes
3. Reasoning	35	35	
	Total = 100 Qs.	Total marks = 100	

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Part 1 – ENGLISH LANGUAGE

Directions (Qs. 1-10): Read the following passage carefully and answer the questions given after the passage. Certain words/phrases have been printed in **bold** to help you locate them while answering some of the questions.

Jagir Singh has sold red onions at the market in South Delhi every day for the past half – century. Perched on an upturned create, wrapped **tight** against the chilly air, he offers *pyaz*, a staple for much of Indian cooking, for 60 rupees a kilo, the most he can remember. Business is brisk but most customers pick up only a small handful of onions. That is just as well – wholesale supplies are tight, he says, and the quality is poor.

As the Indian economy grows by some 9% a year, food prices are soaring. In late December the commerce ministry judged that food inflation had reached 18.36%, with pricey vegetables mostly to blame. Officials have made some attempts to **temper** the rise in the past month – scrapping import taxes for onions, banning their export and ordering low – priced sales at government run – shops. But, there is no quick fix.

Heavy rain in the west of India brought a rotten harvest. Vegetables from farther afield, including a politically sensitive delivery from a neighbouring country, are costly to move on India's crowded, potholed roads. Few refrigerated lorries and poor logistics mean that much of each harvest is wasted. Newspapers alleged that hoarders are cashing in.

The biggest problems are structural. Food producers, hampered by land restrictions, **archaic** retail networks and bad infrastructure, fail to meet extra demand from consumers. It was estimated in October that a 39% rise in income per person in the previous five years might have created an extra 220 million regular consumers of milk, egg, meat and fish. Supplies have not kept up with this potential demand.

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The broader inflation rate may be a less eye - watering problem than the onions suggest. The central bank has lifted interest rates steadily in the past year and is expected to do so again later this month. Headline inflation fell to 7.5% in November, down by just over a percentage point from October, though it is still above the central bank's forecast of 5.5% for March.

1. What is responsible for the increased demand amongst consumers for certain food stuff?
   (1) There has been increase in the wholesale supplies of these food stuff.
   (2) The vegetable in the markets are very highly priced.
   (3) There has been an increase in the incomes of people.
   (4) There is a lack of availability of vegetables in the market.
   (5) There has been a surge in population.

2. Which of the following is **NOT true** in the context of the passage?
   (1) The overall inflation is not as bad as the food inflation in India.
   (2) Help from other countries to counter food inflation has proved to be quite encouraging.
   (3) The Government is banning the export of certain types of vegetables in order to check the food inflation.
   (4) Highly priced vegetables are mostly responsible for the increased food inflation.
   (5) All of the above statements are true.

3. Which of the following is/are the reason/s for increase in food/vegetable prices?
   (A) Bad weather   (B) Land restriction
   (C) Poor infrastructure for storage and transportation
   (1) Only B   (2) Only A & C
   (3) Only A & B   (4) Only B & C
   (5) All A, B & C

4. Which of the following is/are **TRUE** in the context of the passage?
   (A) The interest rates are being raised in India.
   (B) India is witnessing a steady economic growth
   (C) It has been proven that food inflation is mainly because of hoarding.
   (1) All A, B & C   (2) Only A & B   (3) Only C
   (4) Only B & C   (5) None is true

5. Which of the following is possibly the most appropriate title for the passage?
   (1) Food Inflation in India
   (2) Of Onions and Vendors
   (3) Food Deficit Worldwide

   (4) Food Imports in India
   (5) Benefits To Indian Consumers

6. What can be said about the sale of onions at present as given in the passage?
   (1) Vegetable vendors are unwilling to sell onions
   (2) People are not buying as much as they used to
   (3) The sale of onions has picked up and is unprecedented
   (4) People are buying more onions than they used to
   (5) None of these

7. The usage of the phrase **'cashing in'** in the passage can possibly mean –
   (1) Profiting   (2) Running Away
   (3) Paying Money   (4) Bailing Out
   (5) Buffering

8. Which of the following is most **similar in meaning** to the word '**Tight'** as used in the passage?
   (1) Firm   (2) Loose
   (3) Limited   (4) Taut
   (5) Tense

9. Which of the following is most **similar in meaning** to the word '**Temper'** as used in the passage?
   (1) Displeasure   (2) Anger
   (3) Rage   (4) Harness
   (5) Control

10. Which of the following is **most opposite** to the word '**Archaic'** as used in the passage?
    (1) Simple   (2) Straightforward
    (3) Modern   (4) Lively
    (5) Ancient

Directions (Qs. 11-15) Rearrange the given six sentences (A), (B), (C), (D) (E) and (F) in a proper sequence so as to form a meaningful paragraph and answer the given questions.

(A) Its prevalence reflects very badly on a society that is not able to stop this evil.

(B) Though elimination of Child labour is an impossible task considering the current socio – economic scenario of these poor families, the Indian government is committed to the task of ensuring that no child remains illiterate, hungry and without medical care.

(C) Therefore, unless the socio – economic status of the poor families is improved, India has to live with child labour.

(D) The members of these households have to send their children to work, even if the lives of the innocent children are ruined, as that is the only choice open for them to survive in this world.

(E) Child labour, is no doubt, an evil that should done away with at the earliest.

(F) But in a society where many households may have to suffer the pangs of hunger if children are withdrawn from work, beggars can't be choosers.

11. Which of the following should be the **FIRST** sentence after rearrangement?
(1) A   (2) E   (3) C
(4) F   (5) D

12. Which of the following should be the **THIRD** sentence after rearrangement?
(1) B   (2) A   (3) C
(4) F   (5) E

13. Which of the following should be the **SECOND** sentence after rearrangement?
(1) A   (2) F   (3) D
(4) B   (5) C

14. Which of the following should be the **FIFTH** sentence after rearrangement?
(1) E   (2) A   (3) F
(4) C   (5) D

15. Which of the following should be the **SIXTH (Last)** sentence after rearrangement?
(1) A   (2) C   (3) E
(4) D   (5) B

Directions (Qs. 16-18): Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any).

16. The Government has asked individuals (1)/ with income of over Rs. 10 lakhs to (2)/ electronic file tax returns for the year 2011-12 (3)/ something which was optional till last year. (4)/ No error (5).

17. The power tariff has already (1)/ been increased twice in (2)/ the last 15 months and the Electricity Board has also (3)/ levied additional monthly charges to consumers. (4)/ No error (5)

18. Despite of curfew (1)/ in some areas, minor (2)/ communal incidents were reported (3)/ from different areas of the walled city. (4)/ No error (5)

Directions (Qs. 19 – 20): The following questions consist of a single sentence with one blank only. You are given six words denoted by A, B, C, D, E and F as answer choices and from the six choices you have to pick two correct answers, either of which will, make the sentence meaningfully complete.

19. _____ before the clock struck 8 on Saturday night, India Gate was swamped with people wearing black T-shirts and holding candles.
(A) Minutes   (B) Time
(C) Later   (D) Quickly
(E) Since   (F) Seconds

Select the correct answer using the codes given below:
(1) B & E   (2) A & C
(3) A & F   (4) B & D
(5) C & E

20. Medical teachers said that the management had continued to remain _____ to their cause leading to the stretching of their strike.
(A) unmoved   (B) lethargic
(C) unconcerned   (D) apathetic
(E) indifferent   (F) bored

Select the correct answer using the codes given below:
(1) B &C   (2) C & F
(3) A & E   (4) A & D
(5) D & E

Directions (Qs. 21- 30): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find the appropriate word in each case.

(21) over the world, rights related to information technology that are already legally recognised are daily being violated, **(22)** in the name of economic advancement, political stability or for personal greed and interests. Violations of these rights have **(23)** new problems in human social systems, such as the digital divide, cybercrime, digital security and privacy concerns, all of which have **(24)** people's lives either directly or indirectly.

It is important that countries come up with guidelines for action to **(25)** the incidences of malicious attacks on the confidentiality, integrity and availability of electronic data and systems, computer – related crimes, content related offences and violations of intellectual property rights. **(26),** threats to critical infrastructure and national interests arising from the use of the internet for criminal and terrorist activities are growing **(27).** The harm incurred by businesses, governments and individuals in those countries in which the internet is used **(28)** is gaining in **(29)** and importance, while in other countries, cyber crimes threaten the application of information and communication technology for government services, health care, trade and banking. As users start losing **(30)** in online transactions and businesses, the opportunity costs may become substantial.

21. (1) Entire   (2) Lot   (3) Great
     (4) All   (5) Much

22. (1) scarcely   (2) whether   (3) and
     (4) for   (5) hardly

23. (1) created   (2) bent   (3) pressured
(4) risen   (5) stopped

24. (1) distanced   (2) affected   (3) exaggerated
(4) advanced   (5) cropped

25. (1) engage   (2) conflict   (3) war
(4) combat   (5) struggle

26. (1) But   (2) More   (3) Addition
(4) Beside   (5) Further

27. (1) concern   (2) nature   (3) pattern
(4) important   (5) matter

28. (1) really   (2) figuratively   (3) widely
(4) never   (5) tandem

29. (1) fear   (2) days   (3) positivity
(4) width   (5) scope

30. (1) tracks   (2) measure   (3) confidence
(4) mind   (5) grip

Part 2 - QUANTITATIVE APTITUDE

Directions (Qs 31 – 35): What should come in place of the question mark (?) in the following questions?

31. $(21)^2 - 3717 \div 59 = ? \times 8$
(1) 43.75   (2) 42.25
(3) 45.75   (4) 47.25
(5) None of these

32. $2\,1/8 - 1\,1/16 = ? + 1\,1/32 - 1\,9/64$
(1) $2\frac{9}{32}$ (2) $1\frac{9}{64}$
(3) $2\frac{5}{32}$ (4) $1\frac{11}{64}$
(5) None of these

33. $(0.64)^4 \div (0.512)^3 \times (0.8)^4 = (0.8)^{?+3}$
(1) 5   (2) 12
(3) 0   (4) 6
(5) None of these

34. 34.5% of $1800 + 12.4\%$ of $1500 = (?)^3 + 78$
(1) 27   (2) 9
(3) 81   (4) 162
(5) None of these

Directions (35 – 37): What **approximate** value will come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value.)

35. $\frac{989}{34} \div \frac{65}{869} \times \frac{515}{207} = ?$
(1) 840   (2) 920   (3) 970
(4) 780   (5) 1000

36. $(32.13)^2 + (23.96)^2 - (17.11)^2 = ?$
(1) 1270   (2) 1420
(3) 1450   (4) 1360
(5) 1310

37. $\sqrt{54} \times \sqrt{2120} \div \sqrt{460} = ?$
(1) 120   (2) 140
(3) 160   (4) 180
(5) 200

Directions (38-40): What will come in place of the question mark (?) in the following number series?

38. 8 10 18 44 124 (?)
(1) 344   (2) 366   (3) 354
(4) 356   (5) None of these

39. 656 352 200 124 86 (?)
(1) 67   (2) 59   (3) 62
(4) 57   (5) None of these

40. 454 472 445 463 436 (?)
(1) 436   (2) 456   (3) 454
(4) 434   (5) None of these

Directions (Qs. 41 – 45): In the following questions, two equations numbered I and II are given. You have to solve both the equations and give answer:
(1) if $x > y$ (2) if $x \geq y$
(3) if $x < y$ (4) if $x \leq y$
(5) if $x = y$ or the relationship cannot be established

41. I. $x^2 - 19x + 84 = 0$
II. $y^2 - 25y + 156 = 0$

42. I. $x^3 - 468 = 1729$
II. $y^2 - 1733 + 1564 = 0$

43. I. $\frac{9}{\sqrt{x}} + \frac{19}{\sqrt{x}} = \sqrt{x}$
II. $y^5 - (2 \times 14)^{11/2} / (\sqrt{y}) = 0$

44. I. $\sqrt{784}x + 1234 = 1486$
II. $\sqrt{1089}y + 2081 = 2345$

45. I. $\frac{12}{\sqrt{x}} - \frac{23}{\sqrt{x}} = 5\sqrt{x}$
II. $\frac{\sqrt{y}}{12} - \frac{5\sqrt{y}}{12} = \frac{1}{\sqrt{y}}$

46. The length of a rectangle is three – fifths of the side of a square. The radius of a circle is equal to the side of the square. The circumference of the circle is 132 cm. What is the area of the rectangle if the breadth of the rectangle is 8 cm?
(1) 112.4 sq cm   (2) 104.2 sq cm
(3) 100.8 sq cm   (4) cannot be determined
(5) None of these

47. Five – ninths of a number is equal to twenty five percent of the second number. The second number is equal to one – fourth of the third number. The value of the third number is 2960. What is 30 percent of the first number?
(1) 88.8   (2) 99.9   (3) 66.6
(4) cannot be determined   (5) None of these

48. The ratio of the present age of Manoj to that of Wasim is 3:11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's father, who is 25 years older than Manoj?
(1) 43 years   (2) 67 years   (3) 45 years
(4) 69 years   (5) None of these

49. Dinesh's monthly income is four times that of Suresh. Suresh's monthly income is twenty percent more than Jyoti's monthly income. Jyoti's monthly income is Rs. 22,000. What is Dinesh's monthly income?
(1) Rs. 1,06,500   (2) Rs. 1,05,600
(3) Rs. 1,04,500   (4) Rs. 1,05,400
(5) None of these

50. Raju runs 1250 metre on Monday and Friday. On other days, he runs 1500 metre except for Sunday. (He does not run on Sunday). How many kilometre will he run in 3 weeks. (first day starting from Monday)?
(1) 12.5 km   (2) 20.5 km   (3) 8.5km
(4) 25.5 km   (5) None of these

51. The sum of nine consecutive odd numbers of Set A is 621. What is the sum of a different set of six consecutive even numbers whose lowest number is 15 more than the lowest number of Set A?
(1) 498   (2) 468   (3) 478
(4) 488   (5) None of these

52. In a school, there are 250 students, out of whom 12 percent are girls. Each girl's monthly fee is Rs. 450 and each boy's monthly fee is 24 percent more than that of a girl.
What is the total monthly fee of girls and boys together?
(1) Rs. 1,36,620   (2) Rs. 1,36,260
(3) Rs. 1,32,660   (4) Rs. 1,32,460
(5) None of these

53. The average speed of a train is 1 3/7 times the average speed of a car. The car covers a distance of 588 km in 6 hours. How much distance will the train cover in 13 hours?
(1) 1750 km   (2) 1760 km   (3) 1720 km
(4) 1850 km   (5) None of these

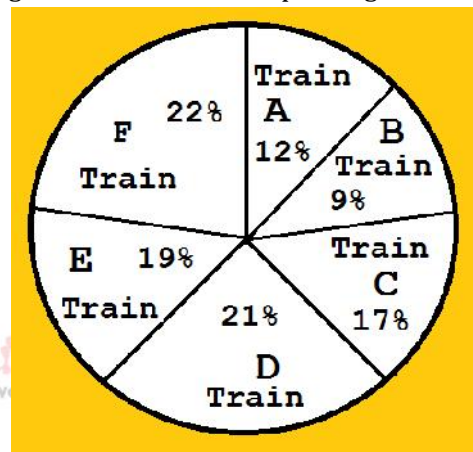**Directions (54-55):** Study the information carefully to answer the questions that follow:
A basket contains 3 blue, 2 green and 5 red balls.

54. If three balls are picked at random, what is the probability that at least one is red?
(1) 1/2   (2) 7/12   (3) 11/12
(4) 1/5   (5) None of these

55. If four balls are picked at random, what is the probability that two are green and two are blue?
(1) 1/18   (2) 1/70   (3) 3/5
(4) 1/2   (5) None of these

Directions (Qs. 56-60): Study the following pie – chart carefully to answer the questions.

Total number of passengers in six different trains = 4800

Percentage wise distribution of passengers

56. What was the average number of passengers travelling in Train A, Train C and Train F together?
(1) 816   (2) 826   (3) 824
(4) 812   (5) None of these

57. If the cost of one ticket is Rs. 124, what is the total amount paid by passengers of Train B?
(Assuming all the passengers purchased tickets and the cost of each ticket is the same)
(1) Rs. 53, 658   (2) Rs. 53, 568
(3) Rs. 53, 558   (4) Rs. 53, 468
(5) None of these

58. The number of passengers in Train E is approximately what percentage of the total number of passengers in Train B and Train D together?
(1) 63   (2) 69   (3) 75
(4) 54   (5) 79

59. What is the difference between the number of passengers in Train C and the number of passengers in Train A?
(1) 280   (2) 250   (3) 230
(4) 260   (5) None of these

60. What is the total number of passengers in Train D, Train E and Train F together?
(1) 2796   (2) 3225
(3) 2976   (4) 3125
(5) None of these

Directions (Qs. 61 – 65): Study the following table carefully to answer the given questions.

			Course		
Years	**B.Tech**	**M.SC**	**B.Ed**	**M.Phil**	**Diploma**
2005	11.5	5.8	7.5	4.7	1.8
2006	14.5	6.4	11.6	5.8	3.2
2007	20.0	10.2	13.9	8.6	4.8
2008	22.2	14.6	15.8	12.7	5.6
2009	35.8	17.7	18.5	25.1	12.5
2010	50.7	20.9	22.6	18.9	14.9

Semester fees (in Rs. thousand) for five different courses in six different years.

61. What was the **approximate** percent increase in the semester fees of B.Ed course in the year 2007 as compared to the previous year?
(1) 26   (2) 30   (3) 20
(4) 16   (5) 10

62. What was the average semester fee charged for M.SC course over all the years together?

(1) Rs. 12,700   (2) Rs. 12,600
(3) Rs. 12,060   (4) Rs. 12,070
(5) Rs. 13,140

63. What was the difference between the total semester fee charged for Diploma course over all the years together and fee charged for B.Tech course in the year 2009?
(1) Rs. 8,500   (2) Rs. 8,000
(3) Rs. 6,500   (4) Rs. 7,000
(5) None of these

64. The semester fee charged for M.Phil course in the year 2008 was approximately what percentage of the semester fee charged for M.SC course in the year 2009?
(1) 67   (2) 84   (3) 80
(4) 76   (5) 72

65. What was the semester fee charged for all the course together in the year 2006?
(1) Rs. 42,500   (2) Rs. 41,500
(3) Rs. 41,600   (4) Rs.42,200
(5) None of these

Part 3 - REASONING

Directions (Qs. 66-68): Each of the questions below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the three statements and give the answer.
(1) If the data in Statement I and II are sufficient to answer the question, while the data in Statement III are not required to answer the question.
(2) If the data in Statement I and III are sufficient to answer the question, while the data in Statement II are not required to answer the question.
(3) If the data Statement II and III are sufficient to answer the question, while the data in Statement I are not required to answer the question.
(4) If the data given in either Statement I alone or Statement II alone or Statement III alone are sufficient to answer the question.
(5) If the data in all the Statements I, II and III together are necessary to answer the question.

66. Among six people P, Q, R, S, T and V each lives on a different floor of a six storey building having six floors numbered one to six (the ground floor is numbered 1, the floor above it numbered 2 and so on and the top most floor is numbered 6). Who lives on the topmost floor?
I. There is only one floor between the floors on which R and Q live, P lives on an even numbered floor.
II. T does not live on an even numbered floor. Q lives on an even numbered floor and does not live on topmost floor.
III. S lives on odd numbered floor. There are two floors between the floors on which S and P live. T lives on a floor immediately above R's floor.

67. There are six letters W, A, R, S, N and E. Is 'ANSWER' the word formed after performing the following operations using these six letters only?
I. E is placed fourth to the right of A. S is not placed immediately next to either A or E.

II. R is placed immediately next (either left or right) to E. W is placed immediately next (either left or right) to S.

III. Both N and W are placed immediately next to S. The word does not begin with R. A is not placed immediately next to W.

68. Point D is in which direction with respect to Point B?

I. Point A is to the West of Point B. Point C is to the North of point B. Point D is to the South of point C.

II. Point G is to the South of point D. Point G is 4 m from point B. Point D is 9 m from point B.

III. Point A is to the West of point B. Point B is exactly midway between points A and E. Point F is to the South of point E. Point D is to the West of point F.

Directions (Qs. 69 - 71): Study the following information to answer the given questions.

In a certain code 'more money in market' is written as **'zo li aa to'**, 'share in market profit' is written as **'vo to je li'**, 'making more profit now' is written as **'su je zo ka'**, 'now the market gains' is written as **'do li yo su'**.

69. Which of the following is the code for 'gain'?

(1) ka   (2) li   (3) su

(4) to   (5) either do or yo

70. Which of the following can be the code for 'the more you share'?

(1) do yo zo vo   (2) vo wi zo do

(3) vo zo wi bu   (4) yo je vo wi

(5) su vo zo do

71. 'to ka li aa' is code for which of the following?

(1) share more in market

(2) now share more gains

(3) the gains in market

(4) the gains in profit

(5) making money in market

Directions (Qs. 72 – 74): In the following questions, relationship between different elements is shown in the statements. The statements are followed by three conclusions. Read the conclusions and then decide which of the given conclusions logically follows from the given statements.

Give answers:

(1) Only conclusion I follows

(2) Only conclusion II follows

(3) Either conclusion I or II follows

(4) Neither conclusion I nor II follows

(5) Both conclusion I & II follow

72. **Statement**: $F \geq G = H, G > J \geq K$

Conclusions: I. $F \geq K$ II. $K < H$

73. **Statement**: $P < Q = R \geq S \geq T$

Conclusions: I. $T \leq Q$ II. $R > P$

74. **Statement:** $A \leq B < C; A \geq D; C \leq F$

Conclusions: I. $D < C$ II. $F \geq D$

Directions (Qs. 75 - 79): Study the following information to answer the given questions.

Eight cricket players, P, Q, R, S, T, V, W and Y are sitting around a square table in a such a way that four of them sit at four corners of the square, while four sit in the middle of each of the four sides. The ones, who sit at the four corners, face the centre, while those who sit in the middle of the sides face outside.

P who faces the centre sits third to the right of V. T, who faces the centre, is not an immediate neighbour of V. Only one person sits between V and W. S sits second to the right of Q. Q faces the centre. R is not an immediate neighbour of P.

75. Who sits second to the left of Q?

(1) V   (2) P   (3) T

(4) Y   (5) cannot be determined

76. What is the position of T, with respect to V?

(1) Fourth to the left   (2) Second to the left

(3) Third to the left   (4) Third to the right

(5) Second to the right

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

(1) R   (2) W   (3 V

(4) S   (5) Y

78. Which of the following will come in place of the questions mark (?) based upon the given seating arrangement?

WP TR QW RS ?

(1) YT   (2) VY   (3) VQ

(4) PY   (5) QV

79. Which of the following is true regarding R?

(1) R is an immediate neighbour of V

(2) R faces the centre

(3) R sits exactly between T and S

(4) Q sits third to the left of R

(5) None is true

Directions (Qs. 80 - 84): Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an

illustration of input and rearrangement. (All the numbers are two digit numbers)

Input: age road own wire tire ink pen uni dice eat

Step I: uni age road own wire tire ink pen eat dice

Step II: uni own age road wire tire ink eat pen dice

Step III: uni own ink age wire tire eat road pen dice

Step IV: uni own ink eat age wire tire road pen dice

And Step IV is the last step of the above input, as the desired arrangement is obtained.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input for questions:

Input: gem stat ace cast omit fan rate uncut era input

80. Which of the following would be the final arrangement?
    (1) cast gem fan rate stat uncut omit input era ace
    (2) uncut omit input era ace cast fan gem rate stat
    (3) uncut omit input era ace stat rate gem fan cast
    (4) uncut omit input era ace stat fan gem rate cast
    (5) None of these

81. In step III, which of the following word would be at the sixth position from the left?
    (1) rate   (2) ace   (3) stat
    (4) gem   (5) None of these

82. Which step number would be the following output?
    uncut omit gem stat ace rate era input fan cast
    (1) II   (2) III   (3) V
    (4) IV   (5) None of these

83. In step IV of the arrangement, if 'omit' is related to 'era' and 'rate' is related to 'fan' in a certain way, to which of the following would 'ace' be related to, following the same pattern
    (1) rate   (2) input   (3) stat
    (4) gem   (5) None of these

84. Which of the following would be step VII?
    (1) uncut omit input era ace stat rate gem fan cast
    (2) uncut omit input era ace rate stat fan gem cast
    (3) uncut omit input era ace cast fan gem rate stat
    (4) uncut omit input era stat ace rate gem fan cast
    (5) There will be no such state as input gets rearranged completely before step VII

Directions (Qs. 85 - 86): Read the information carefully and answer the following questions.

If A + B means 'A is father of B'.

If A x B means 'A is the sister of B'.

If A $ B means 'A is the wife of B'.

If A % B means 'A is the mother of B'.

If A ÷ B means 'A is the son of B".

85. What should come in place of the question mark to establish that J is the brother of T in the expression?
    J ÷ P % H ? T % L
    (1) x   (2) ÷
    (3) $ (4) Either ÷ or x
    (5) Either + or ÷

86. Which among the given expressions indicate that M is the daughter of D?
    (1) L % R $ D + T x M
    (2) L + R $ D + M x T
    (3) L % R % D + T ÷ M
    (4) D + L $ R + M x T
    (5) L $ D ÷ R % M ÷ T

Directions (Qs. 87 - 88): Study the following arrangement carefully and answer the questions given below it.

4 2 6 1 3 8 9 5 8 1 6 5 1 5 8 5 3 9 4 9 2 3 2 1 5 7 2 6 2 4 2 7 4

87. How many 2s are there in the above arrangement, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?
    (1) None   (2) One   (3) Two
    (4) Three   (5) More than three

88. If one is added to each of the even digits and two is added to each of the odd digits in the above arrangement, how many digits will appear twice in the new arrangement thus formed?
    (1) None   (2) One   (3) Two
    (4) Three   (5) More than three

Directions (Qs. 89 - 90): Study the following information and answer the questions given below:
Each of five friends A, B, C, D and E travels different distances to their workplaces. A travels more than B but less than E. D travels more than only C. The one, who travels the most, travels 30 km. B travels 15km to his workplace.

89. Who amongst the following possibly travels 5km to the workplace?
    (1) A   (2) C   (3) D
    (4) E   (5) Either C or D

90. Who amongst the following possibly travels 20km to his workplace?
    (1) A   (2) C   (3) D
    (4) E   (5) Either A or D

Directions (Qs. 91 - 95): In each of the questions below three statements are given followed by four conclusions numbered I, II III and IV. You have to take

the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

91. Statements: I. Some animal is a planet.
II. No animal is a universe.
III. All universe is an Earth.
Conclusion: I. Some earth being planet is a possibility.
II. No universe is an animal.
III. All animal being earth is a possibility
IV. Some planet is an earth.
(1) Only I, II & IV follow
(2) Only II follows
(3) Only I & II follow
(4) Only I, II & III follow
(5) All follow

92. Statement: I. All tables are mug.
II. All mugs are ball. **III.** No basket is a table.
Conclusion: I. Some basket is a mug.
II. Some ball is a basket.
III. All ball being basket is a possibility.
IV. Some mugs are not basket.
(1) Only III & IV follow
(2) Only II & IV follow
(3) Only I & III follow
(4) None follows
(5) None of these

93. Statement: **I**. All bus is car.
II. Some cars are taxi. **III.** Some taxi is a truck.
Conclusion: **I.** All truck being bus is a possibility.
II. Some bus is a taxi.
III. All cars are bus.
IV. Some taxi being bus is a possibility.
(1) Only I & IV follow
(2) Only I & III follow
(3) Only II & IV follow
(4) All follow
(5) None of these

94. Statement: I. Some stars are moon.
II. No moon is a planet. **III.** All planets are earth.
Conclusion: **I.** All planets being star is a possibility.
II. Some planet is an earth.
III. Some stars are not planet.
IV. All earth being moon is a possibility.
(1) Only I, II & III follow
(2) Only II & III follow
(3) Only I & IV follow
(4) None follows

(5) Only III follows

95. Statement: I. Some cakes are bread.
II. Some tea is biscuits.
III. Some biscuits are toffee.
Conclusion: I. Some bread is not tea.
II. Some cake is a toffee.
III. All toffee is tea.
IV. Some biscuits are bread.
(1) All follows
(2) None follows
(3) Only I, II & III follow
(4) Only II & IV follows
(5) Only II follows

Directions (96 - 100): Study the information carefully and answer the given questions.

Each of the seven plays viz P, Q, R, S, T, V and W are scheduled to be staged on a different day of a week starting from Monday and ending on Sunday of the same week. Play V is scheduled on Thursday. Two plays are scheduled to be held between play V and play P. Only one play is scheduled between play T and play S. Play T is not scheduled on the days immediately before or immediately after the day when play V is scheduled. Play R is scheduled the day immediately before the day when play W is scheduled. Play S is not scheduled after play Q.

96. How many plays are scheduled to be staged between Play R and Play S?
(1) None   (2) One   (3) Two
(4) Three   (5) Four

97. Which of the following plays is scheduled on Saturday?
(1) Q   (2) W   (3) R
(4) S   (5) T

98. R is related to S in a certain way. In the same way P is related to V based on the given scheduled. Which of the following is W related to following the same pattern?
(1) P   (2) Q   (3) R
(4) T   (5) Cannot be determined

99. On which of the following days is play W scheduled?
(1) Monday   (2) Tuesday
(3) Wednesday   (4) Saturday
(5) Cannot be determined

100. Which of the following plays is scheduled on Friday?
(1) R   (2) T   (3) Q
(4) W   (5) S

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