

Roll No.:

Maximum Marks: 300

--	--	--	--	--	--

Maximum Time: 90 (+30) minutes

CLASS

7

INDIAN INTELLIGENCE™ TEST



An Innovative Aptitude Test

SAMPLE PAPER**Confusion का
Smart Solution****INSTRUCTIONS FOR CANDIDATE**

1. The Question Paper comprises of two sections:
Section I: Multiple Intelligence Test (40 questions)
Section II: Scholastic Aptitude Test (100 questions)
Questions in Section I do not carry any marks whereas questions in Section II carry 3 marks each.
2. Duration for Section II of this test shall be 90 minutes. You will get additional 30 minutes to fill up information about yourself on the Answer Sheet and answer questions of Section I before start of the exam.
3. Answering all questions is compulsory in Section I but not in Section II. Section I of the test contains questions that you need to answer truthfully based on your preference. Do not provide fake responses otherwise you will not receive accurate analysis of your intelligence type.
4. Rank will be provided on the basis of Section II. Multiple Intelligence Report shall be provided on the basis of Section I.
5. For incorrect answers (in Section II), 1 mark would be deducted. For unanswered questions, no mark would be awarded or deducted.
6. Use of calculator, mobile phones or log tables is not permitted.
7. Fill the required details clearly on the Answer Sheet and do not overwrite.
8. There is only ONE correct answer. Choose only ONE option for an answer.
9. To mark your choice of answers by darkening the circles in the Answer Sheet, use an HB Pencil only.
10. Rough work should be done in the blank space provided on the last page in the booklet.
11. Return the Answer Sheet to the invigilator at the end of the exam.
12. Write your Roll No. on the Question Paper too.
13. Any use of unfair means in the test will result in termination of the candidature.

SECTION-II : SCHOLASTIC APTITUDE

QUESTIONS 1 TO 30: MATHEMATICS

1. In addition and subtraction of two integers , sign of the answer depends upon:
 (A) Smaller number
 (B) Their difference
 (C) Their sum
 (D) Greater numerical value

2. Identify the property used in the following: $2 * 13 + 8 * 13 = (2+8) * 13$
 (A) Commutative
 (B) Closure
 (C) Associative
 (D) Distributive

3. Median of the data 13,16,12,14,19,12,14,13,14 is _____ .
 (A) 14
 (B) 19
 (C) 12
 (D) 13

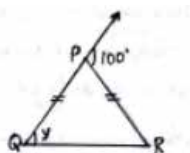
4. Choose appropriate number for blank: $7 - (\quad) = 2$
 (A) 5
 (B) -5
 (C) 9
 (D) -9

5. 7 Rupees 7 paise can be written in rupees as
 (A) Rs7.07
 (B) Rs7.70
 (C) Rs0.707
 (D) Rs 770

6. A data can have _____ mode.
 (A) Only one
 (B) only two
 (C) only 3
 (D) more than one

7. A line where two faces of a solid meet is called
 (A) edge
 (B) vertex
 (C) surface
 (D) curved face

8. Find 'y', from the figure
 (A) 50°
 (B) 25°
 (C) 75°
 (D) 100°

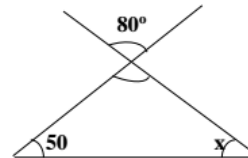


9. What is complement of 63° ?
 (A) 18°
 (B) 27°
 (C) 30°
 (D) 21°

10. The sum of the lengths of any two sides of a triangle is _____ the third side of the triangle.
 (A) less than
 (B) greater than
 (C) double
 (D) half

11. The value of $72 \div 73$ is given by _____ .
 (A) $1/7$
 (B) 7
 (C) $1/14$
 (D) -7

12. What is the value of x in the adjoining figure?



- (A) 50°
 (B) 80°
 (C) 130°
 (D) 180°

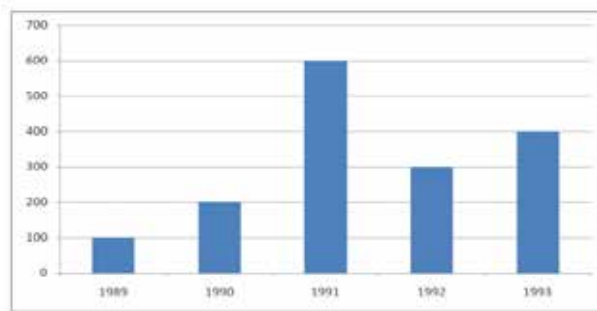
13. The two interior opposite of an exterior angle of a triangle is 45° & 63° ,then the measure of exterior angle is
 (A) 100
 (B) 80
 (C) 63
 (D) 108

14. What is the value of $29.35 - 04.56$
 (A) 23.75
 (B) 16.35
 (C) 16.25
 (D) 24.79

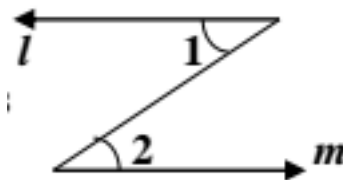
15. What will be the range of following data?
 32 , 41 , 28 , 54 , 35 , 26 , 33 , 23 , 38 , 40
 (A) 25
 (B) 23
 (C) 31
 (D) 54

16. The area of a square whose perimeter is 4 m
 (A) 1 m^2
 (B) 4 m^2
 (C) 2 m^2
 (D) 3 m^2
17. Which one is possible to have a triangle from the following measures
 (A) 6cm, 3cm, 2cm
 (B) 5.5cm, 2.5cm, 2.5cm
 (C) 3cm, 6cm, 7cm
 (D) 2cm, 8cm, 3cm
18. Fill in the Blank $a^m \div a^n = a^{\dots}$
 (A) mn (B) $m + n$
 (C) $m - n$ (D) $m \div n$
19. $7 \times 10^{-5} \text{ m}$ is the standard form of which of the following _____ .
 (A) 0.0007 m
 (B) 0.000007 m
 (C) 0.0000007 m
 (D) 0.00007 m
20. On simplifying $(a+b-3) - (b-a+3) + (a-b+3)$ the result is
 (A) $a-b+3$
 (B) $a-b-3$
 (C) $3a-b-3$
 (D) $3a+b+3$
21. What will be the area of circular button of radius 7 cm?
 (A) 154 cm^2
 (B) 49 cm^2
 (C) 154 cm
 (D) $3.14 \times 7 \text{ cm}^2$
22. What is the numerical coefficient of y^2 in the expression $2x^2y - 15xy^2 + 7y$?
 (A) $-15x$
 (B) -15
 (C) 2
 (D) 7
23. What must be added to $3x+y$ to get $2x+3y$?
 (A) $5x+4y$ (B) $-x+2y$
 (C) $x - 2y$ (D) $x+2y$
24. If $p/q = (5/6)^2 \div (5/6)^0$,
 Find the value of $(p/q)^2$
 (A) $635/1296$ (B) $625/1296$
 (C) $605/1296$ (D) None

Direction for (Q25-Q26) : Read the following bar graph which shows the number of books sold by a bookstore during five consecutive years and answer the question given below.



25. How many books were sold in 1989?
 (A) 100 (B) 200
 (C) 300 (D) 600
26. How many books were sold from 1991 to 1993?
 (A) 1300 (B) 1000
 (C) 900 (D) 800
27. Which of the following does not represent pair of integer (a, b) such that $a \div b = 2$
 (A) $(-6, -3)$ (B) $(-2, 1)$
 (C) $(-10, -5)$ (D) $(8, 4)$
28. The perimeter of regular polygon is
 (A) no. of sides * lengths of one side
 (B) no. of sides + lengths of one side
 (C) no. of sides - lengths of one side
 (D) no. of sides/lengths of one side
29. Mode and median of the data 13,16,12,14,19,12,14,13,14 are:
 (A) 13 & 14
 (B) 14 & 13
 (C) 14 & 14
 (D) 19 & 13



30. If $l \parallel m$, then $1 = 2$ because they are _____,
 (A) alternate interior angles
 (B) supplementary angles
 (C) corresponding angles
 (D) vertically opposite angles

QUESTIONS 31 TO 60: SCIENCE

31. Name the gas which is used by white blood cells to kill the invading bacteria.
(A) Oxygen
(B) Carbon dioxide
(C) Nitrogen
(D) Chlorine
32. Normal range of breathing rate per minute in an adult person at rest is
(A) 9 - 12, (B) 15 - 18,
(C) 21 - 24, (D) 30 - 33
33. Name the chemical used to test the presence of CO₂ in exhaled air.
(A) Lime juice
(B) Lime water
(C) Lime stone
(D) Quick lime
34. The percentage of carbon dioxide exhaled is
(A) 21 % (B) 0.04 %
(C) 16.4 % (D) 4.4 %
35. Radiation
(A) does not require any medium
(B) is the process of transfer of heat in liquids
(C) is the process of transfer of heat in which heat travels in one direction.
(D) Occurs in solids.
36. A polished silvery surface is
(A) good absorber of heat
(B) good reflector of heat
(C) poor reflector of heat
(D) None of these
37. The word acid comes from the Latin word 'acere' which means
(A) Sweet (B) Salty
(C) Neutral (D) Sour
38. Sodium hydroxide is found in
(A) Soap (B) Window cleaner
(C) Calcium hydroxide (D) Sodium
39. When two bodies are kept in contact heat flows from
(A) a body at higher temperature to the body at lower temperature
(B) a body at lower temperature to the body at higher temperature
(C) no flow of heat
(D) all of the above
40. The value of 2km/hr is equal to
(A) 4/9 m/s (B) 5/9m/s
(C) 13/9m/s (D) 7/9m/s
41. An example of Oscillatory motion is
(A) Motion of a cycle wheel
(B) Movement of a car on a straight road
(C) Motion of earth around the sun
(D) Motion of a swing
42. An ancient Time measuring device SUNDIAL at JantarMantar is in
(A) Ahmedabad (B) Bombay
(C) Delhi (D) Lucknow
43. For protecting iron pipes from corrosion, they are coated with
(A) Zinc
(B) Copper
(C) Aluminium
(D) Silver
44. Blue colour of the copper sulphate solution changes to Green colour when an iron nail is dropped into it due to the formation of
(A) Iron sulphate
(B) copper chloride
(C) Copper iron sulphate
(D) Iron chloride
45. _____ helps us announce a cyclone alert
(A) Satellite (B) Stars
(C) Sun (D) moon
46. Land breeze blows in coastal regions during
(A) day (B) summer
(C) winter (D) night
47. The centre of a cyclone is a calm area and is called the _____ of the storm.
(A) eye
(B) Focus
(C) Centre
(D) Radius
48. The Department which prepares weather report is
(A) Telecom Department
(B) Electrical Department
(C) Meteorological Department
(D) Civil Department

49. All changes taking place in the atmosphere are caused by the _____
 (A) Moon (B) Sun
 (C) Earth (D) Stars
50. _____ failure can be treated by the method of Dialysis.
 (A) Heart (B) Eye
 (C) Kidney (D) Liver
51. The Organism that does not have circulatory system
 (A) Dog
 (B) Frog
 (C) Human
 (D) Hydra
52. The vascular tissue for the transport of water and nutrients in the plant is called
 (A) Xylem
 (B) Phloem
 (C) Tissue
 (D) Plasma
53. The soil containing greater portion of fine particles is called _____
 (A) Sandy soil
 (B) Loamy soil
 (C) Clayey soil
 (D) Bricks
54. The water holding capacity is the highest in
 (A) Sandy soil
 (B) Clayey soil
 (C) Loamy soil
 (D) Mixture of sand and loam
55. The reproductive part of a plant is the (
 (A) Leaf
 (B) Stem
 (C) Root
 (D) Flower
56. Male reproductive part of a plant is
 (A) Pores
 (B) Pistil
 (C) Stamen
 (D) Fusion
57. The process of digestion taking place in grass- eating animals is called (
 (A) Egestion
 (B) Rumination
 (C) Assimilation
 (D) Absorption
58. The function of the digestive juices present in the stomach is to breakdown (
 (A) the proteins into simpler substances
 (B) Starch into sugars
 (C) Fats into juices
 (D) Food into gases
59. Reproduction in yeast takes place by
 (A) zygote
 (B) Spore formation
 (C) Fragmentation
 (D) Budding
60. Increased wind speed is accompanied by
 (A) no change in temperature
 (B) Reduced pressure
 (C) increased pressure
 (D) No change in pressure

QUESTIONS 61 TO 80: LOGICAL REASONING

61. In a code, CORNER is written as GSVRIV. How can CENTRAL be written in that code?
 (A) GJRYVEP
 (B) GIRXVEP
 (C) GNFJKER
 (D) DFOUSBM
62. If AT=20, BAT=40, then CAT will be equal to
 (A) 30 (B) 50
 (C) 60 (D) 70
63. Look at this series: 22, 21, 23, 22, 24, 23, .. What number should come next?
 (A) 22 (B) 24
 (C) 25 (D) 26
64. If the following words are arranged in an alphabetical order, which word will appear in the second ?
 (A) Principal (B) Principle
 (C*) Principia (D) Principled
65. In the following number series how many times an odd number is followed by two even numbers?
 1 8 7 6 3 5 4 2 3 4 2 6 3 2 8 9 4
 (A) 5 (B) 2 (C) 3 (D) 4
66. What will be middle digit of the middle number after the following numbers are arranged in descending order?
 268, 197, 678, 129, 259
 (A) 6 (B) 9 (C) 2 (D) 5

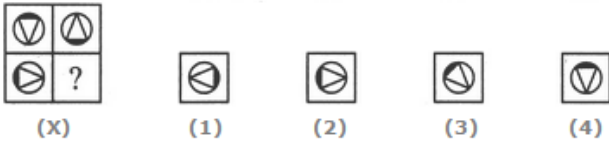
67. Reptile is to lizard as flower is to

- (A) petal
- (B) stem
- (C) daisy
- (D) alligator

68. Sponge is to porous as rubber is to

- (A) massive
- (B) solid
- (C) elastic
- (D) inflexible

69. Identify the figure that completes the pattern.



- (A) 1
- (B) 2
- (C) 3
- (D) 4

70. Identify the figure that completes the pattern.



- (A) 1
- (B) 2
- (C) 3
- (D) 4

71. Pick the odd man out :

- (A) Wheat
- (B) Barley
- (C) Rice
- (D) Pea

72. Pick the odd man out :

- (A) Computer
- (B) Radio
- (C) Telephone
- (D) X-ray

73. X introduces Y saying, "He is the husband of the granddaughter of the father of my father ". How is Y related to X?

- (A) Brother
- (B) Brother-in-law
- (C) Son
- (D) Son-in-law

74. Introducing a man to her husband, a woman said, this brother's father is the only son of my grandfather." How is the woman related to his man?

- (A) Mother
- (B) Aunt
- (C) Sister
- (D) Daughter

75. If \times means \div , $-$ means \times , \div means $+$ and $+$ means $-$ than $(3 - 15 \div 19) \times 8 + 6 = ?$

- (A) 8
- (B) 4
- (C) 2
- (D) -1

76. Arrange the words given below in a meaningful sequence.

1. Heel 2. Shoulder 3. Skull 4. Neck 5. Knee 6. Chest 7. Thigh 8. Stomach 9. Face 10. Hand

- (A) 3, 4, 7, 9, 2, 5, 8, 10, 6, 1
- (B) 3, 9, 4, 2, 10, 6, 8, 7, 5, 1
- (C) 2, 4, 7, 10, 1, 5, 8, 9, 6, 3
- (D) 4, 7, 10, 1, 9, 6, 2, 5, 8, 3

77. Find out the wrong term in the series 2, 5, 10, 50, 500, 5000

- (A) 5000
- (B) 500
- (C) 10
- (D) 50

78. In each of the following questions you are given a combination of alphabets and/or numbers followed by four alternatives (1), (2), (3) and (4). Choose the alternative which closely resembles the mirror image of the given combination.

247596

(1) 695742

(2) 982745

(3) 547298

(4) 892745

- (A) 1
- (B) 2
- (C) 3
- (D) 4

79. What is the product of all the numbers in the dial of a telephone?

- (A) 1, 58, 480
- (B) 1, 59, 450
- (C) 1, 59, 480
- (D) None of these

80. If you write down all the numbers from 1 to 100, then how many times do you write 3?

- (A) 11
- (B) 18
- (C) 20
- (D) 21

QUESTIONS 81 TO 100: GENERAL KNOWLEDGE

81. First Rashtriya Sanskriti Mahotsav was held in which city?
(A) Kolkata
(B) New Delhi
(C) Chennai
(D) Ahmedabad
82. Tipu Sultan was the ruler of
(A) Hyderabad
(B) Madurai
(C) Mysore
(D) Vijayanagar
83. In fireworks, the green flame is produced because of
(A) sodium
(B) barium
(C) mercury
(D) potassium
84. The purpose of choke in tube light is?
(A) To decrease the current
(B) To increase the current
(C) To decrease the voltage momentarily
(D) To increase the voltage momentarily
85. Who is the creator of the Rock Garden in Chandigarh?
(A) PupalJayakar
(B) Le Corbousier
(C) Glen
(D) Nek Chand
86. Who is known as 'Trimurthy of Carnatic Music'?
(A) MuthuswamiDikshitar
(B) Purandardasa
(C) Swami Thirunal
(D) None of these
87. Who is known as 'Desert Fox'?
(A) Bismarck
(B) Eisenhower
(C) Gen. Rommel
(D) Walter Scott
88. Who is the author of the book titled-'Vanessa and Her Sister'?
(A) Raj Kamal Jha
(B) PriyaParmar
(C) Akhil Sharma
(D) Neel Mukherjee
89. Anirban Lahiri is related to which sports?
(A) Boxing (B) Tennis
(C) Golf (D) Athletics
90. On which date, the International Day for the Abolition of Slavery is observed?
(A) November 15
(B) November 30
(C) December 2
(D) December 10
91. Which of the following metropolitan development authorities has won the E-India award at E-India Summit 2015?
(A) Delhi Development Authority (DDA)
(B) Kolkata Metropolitan Development Authority
(C) Bangalore Development Authority
(D) Hyderabad Metropolitan Development Authority
92. Which among the following countries is the world's largest cotton producer?
(A) USA (B) China
(C) Australia (D) India
93. Erasmus Plus programme is related to which of the following?
(A) Poverty Eradication
(B) Defence
(C) Health
(D) Education
94. Which among the following internet giants is starting the 'Project Loon' in India?
(A) Microsoft (B) Amazon
(C) Google (D) Facebook
95. Who among the following was the author of the book 'Advantage India-From Challenge to Opportunity'?
(A) R K Pachauri
(B) Nandan Nilekani
(C) APJ Abdul Kalam
(D) Arvind Panagariya
96. Dholera (known for geothermal bore well) is located in which state?
(A) Bihar
(B) Maharashtra
(C) Karnataka
(D) Gujarat

97. T. K. Viswanathan Committee is related to the following fields?
(A) International Trade
(B) Bankruptcy code
(C) Higher Education
(D) Money Laundering
98. Festival 'Sahabat India', is celebrated in which of the following countries?
(A) Italy (B) France
(C) Indonesia (D) Malaysia
99. National Institute of Social Defence is located in which of the following cities of India?
(A) Mumbai
(B) Kolkata
(C) Chennai (D) New Delhi
100. Which country was most hit by the rare and historic cyclone Chapala?
(A) Yemen
(B) Oman
(C) Somalia
(D) Malaysia

ROUGH WORK

ROUGH WORK



Organized by

नईदुनिया नवदुनिया mid-day

Managed by



Indian Intelligence Test, Jagran Prakashan Ltd., Jagran Building - 2, Sarvodaya Nagar, Kanpur- 208005, Uttar Pradesh.
For latest updates & information, please visit www.indianintelligencestest.com



DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Roll No.:

Maximum Marks: 180

--	--	--	--	--	--

Maximum Time: 90 (+30) minutes

CLASS

7

INDIAN INTELLIGENCE TEST™



An Innovative Aptitude Test

SEASON 10

Knowledge Partner



Amaravati | Amritapuri | Bengaluru | Chennai
Coimbatore | Faridabad

**IDENTIFYING
THE RIGHT CAREER**

INSTRUCTIONS FOR CANDIDATE

General Instructions for Candidates

1. Read all instructions carefully. This Question Paper comprises of two sections:
Section I: Multiple Intelligence Test (40 questions) [20 minutes]
Section II: Scholastic Aptitude Test (60 questions) [90 minutes]
2. Write Your Roll Number on the box provided above and in OMR Sheet.
3. 10 Min will be provided to fill the OMR Sheet before the start of Exam.
4. Students must fill all the personal details carefully in the OMR Sheet
5. Read all the instruction on OMR sheet as well before start of exam.

Instructions for Section I

1. Students will be allocated maximum of 20 min to complete this section.
2. Questions in Section I do not carry any marks.
3. Answering all questions in Section I is compulsory.
4. You need to answer all the question in this section, truthfully based on your preference. fake responses will lead to misinterpretation of your intelligence type.
5. Multiple Intelligence Report shall be provided on the basis of Section I.

Instructions for Section II

1. Students will be allocated maximum of 90 min to complete this section.
2. Question in Section II carry 3 Marks Each.
3. Answering all questions is not compulsory in Section II.
4. For each correct answer student will be awarded 3 marks and for each incorrect answers, 1 mark would be deducted.
5. For unanswered questions, no mark would be awarded or deducted.
6. Rank will be provided on the basis of Section II.
7. Use of calculator, mobile phones or log tables is not permitted.
8. There is only ONE correct answer. Choose only ONE option for an answer.
9. Fill the required details clearly on Answer (OMR) Sheet & do not overwrite.
10. Rough work should be done in the blank space provided on the last page.
11. Return both Answer & Question sheet to the invigilator at the end of the exam.
12. Any use of unfair means in the test will result in termination of the candidate.

Instructions for filling OMR Sheet

1. Fill the OMR sheet using HB Pencil only.
2. To mark your choice of answers, Darken the circles completely in the Answer (OMR) Sheet corresponding to the question you are answering.
3. Darken only one circle, and keep rest of the sheet clean.
4. In case if wrong circle is darkened, completely erase the markings.
5. Ensure all personal details are filled in OMR Sheet before starting the exam.

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

MULTIPLE INTELLIGENCE TEST

SECTION-II

APTITUDE TEST

▶ MATHEMATICS

▶ SCIENCE

▶ LOGICAL REASONING

▶ GENERAL KNOWLEDGE

MULTIPLE INTELLIGENCE TEST

Directions : (1 to 35) These are general statements.

You have to mark options A, B, C or D in the OMR sheet as per your preference.

A = Mostly Disagree

B = Slightly Disagree

C = Slightly Agree

D = Mostly Agree

1. I can play a musical instrument.
2. I often have a song or piece of music in my head.
3. I find it easy to make up stories.
4. I have always been very coordinated.
5. Music is very important to me.
6. When I tell a lie it's very convincing.
7. I play a sport or dance.
8. I am a very social person and like being with other people.
9. I find graphs and charts easy to understand.
10. I find it easy to remember quotes or phrases.
11. I can always recognize places that I have been before, even when I was very young.
12. When I am concentrating I tend to draw pictures.
13. I find mental arithmetic easy.
14. At school one of my favourite subjects is / was English.
15. I like to think through a problem carefully, considering all the consequences.
16. I love physical sports and scary rides.
17. I enjoy individual sports best.
18. I find it easy to remember telephone numbers.
19. I set myself goals and plans for the future.
20. I can tell easily whether someone likes me or dislikes me.
21. To learn something new, I need to just get on and

try it.

22. I often see clear images when I close my eyes.
23. I don't use my fingers when I count.
24. At school I loved / love music lessons.
25. I find ball games easy and enjoyable.
26. My favourite subject at school is / was Maths.
27. I always know how I am feeling.
28. I keep a diary.
29. My favourite subject at school was / is Art/
Drawing.
30. I find pleasure in reading.
31. It upsets me to see someone cry and not be able to help.
32. I prefer team sports.
33. Singing makes me feel happy.
34. I am happy spending time alone.
35. My friends always come to me for emotional support and advice.

Directions : (36 to 40) These are general statements.

You have to mark options A, B, C or D in the OMR sheet as per your preference.

A = Very Frequently

B = Occasionally

C = Rarely

D = Very Rarely

36. I use computer.
37. I use internet for studies.
38. I play games on computer.
39. I watch movies on computer.
40. I wish to use computers for overall knowledge enhancement.

SECTION-II : SCHOLASTIC APTITUDE

QUESTIONS 1 TO 20: MATHEMATICS

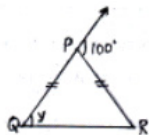
1. Identify the property used in the following: $2*13 + 8*13 = (2+8)*13$
- (A) Commutative
 (B) Closure
 (C) Associative
 (D) Distributive

2. Median of the data 13,16,12,14,19,12,14,13,14 is _____.
- (A) 14
 (B) 19
 (C) 12
 (D) 13

3. 7 Rupees 7 paise can be written in rupees as
- (A) Rs7.07
 (B) Rs7.70
 (C) Rs0.707
 (D) Rs 770

4. A data can have _____ mode.
- (A) Only one
 (B) only two
 (C) only 3
 (D) more than one

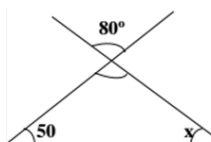
5. Find 'y', from the figure
- (A) 50°
 (B) 25°
 (C) 75°
 (D) 100°



6. What is complement of 63° ?
- (A) 18°
 (B) 27°
 (C) 30°
 (D) 21°

7. The value of $7^2 \div 7^3$ is given by _____.
- (A) $1/7$
 (B) 7
 (C) $1/14$
 (D) -7

8. What is the value of x in the adjoining figure?
- (A) 50°
 (B) 80°
 (C) 130°
 (D) 180°



9. What is the value of $29.35 - 04.56$
- (A) 23.75
 (B) 16.35
 (C) 16.25
 (D) 24.79

10. What will be the range of following data?
 32, 41, 28, 54, 35, 26, 33, 23, 38, 40
- (A) 25
 (B) 23
 (C) 31
 (D) 54

11. Which one is possible to have a triangle from the following measures
- (A) 6cm, 3cm, 2cm
 (B) 5.5cm, 2.5cm, 2.5cm
 (C) 3cm, 6cm, 7cm
 (D) 2cm, 8cm, 3cm

12. Fill in the Blank $a^m \div a^n = a \dots$
- (A) mn
 (B) $m + n$
 (C) $m - n$
 (D) $m \div n$

13. On simplifying $(a+b-3) - (b-a+3) + (a-b+3)$ the result is
- (A) $a-b+3$
 (B) $a-b-3$
 (C) $3a-b-3$
 (D) $3a+b+3$

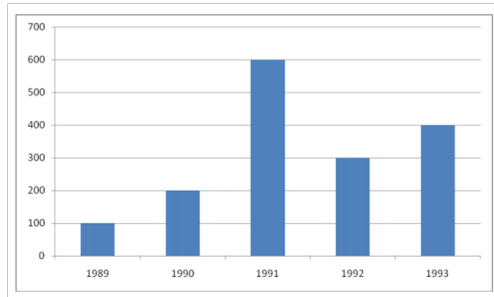
14. What will be the area of circular button of radius 7 cm?
- (A) 154 cm^2
 (B) 49 cm^2
 (C) 154 cm^2
 (D) $3.14 \times 7 \text{ cm}^2$

15. What must be added to $3x+y$ to get $2x+3y$?
- (A) $5x+4y$
 (B) $-x+2y$
 (C) $x-2y$
 (D) $x+2y$

16. If $p/q = (5/6)^2 \div (5/6)^0$, Find the value of $(p/q)^2$
- (A) $635/1296$ (B) $625/1296$
 (C) $605/1296$ (D) None

Direction for (Q17) :Read the following bar graph which shows the number of books sold by a bookstore during five consecutive years and answer the question given below.

17. How many books were sold from 1991 to 1993?
 (A) 1300
 (B) 1000
 (C) 900
 (D) 800



18. Which of the following does not represent pair of integer (a, b) such that $a \div b = 2$

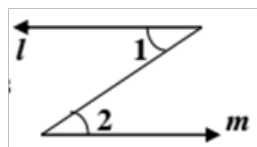
- (A) (-6, -3)
 (B) (-2, 1)
 (C) (-10, -5)
 (D) (8, 4)

19. Mode and median of the data 13,16,12,14,19,12,14,13,14 are:

- (A) 13 & 14
 (B) 14 & 13
 (C) 14 & 14
 (D) 19 & 13

20. If $l \parallel m$, then $\angle 1 = \angle 2$ because they are _____,

- (A) alternate interior angles
 (B) supplementary angles
 (C) corresponding angles
 (D) vertically opposite angles



Questions 21 to 40: Science

21. Normal range of breathing rate per minute in an adult person at rest is

- (A) 9 - 12,
 (B) 15 - 18,
 (C) 21 - 24,
 (D) 30 - 33

22. Name the chemical used to test the presence of CO_2 in exhaled air.

- (A) Lime juice
 (B) Lime water

- (C) Lime stone
 (D) Quick lime

23. Radiation

- (A) does not require any medium
 (B) is the process of transfer of heat in liquids
 (C) is the process of transfer of heat in which heat travels in one direction.
 (D) Occurs in solids.

24. A polished silvery surface is

- (A) good absorber of heat
 (B) good reflector of heat
 (C) poor reflector of heat
 (D) None of these

25. Sodium hydroxide is found in

- (A) Soap
 (B) Window cleaner
 (C) Calcium hydroxide
 (D) Sodium

26. When two bodies are kept in contact heat flows from

- (A) a body at higher temperature to the body at lower temperature
 (B) a body at lower temperature to the body at higher temperature
 (C) no flow of heat
 (D) all of the above

27. An example of Oscillatory motion is

- (A) Motion of a cycle wheel
 (B) Movement of a car on a straight road
 (C) Motion of earth around the sun
 (D) Motion of a swing

28. An ancient Time measuring device SUNDIAL at JantarMantar is in

- (A) Ahmedabad
 (B) Bombay
 (C) Delhi
 (D) Lucknow

29. Blue colour of the copper sulphate solution changes to Green colour when an iron nail is dropped into it due to the formation of

- (A) Iron sulphate
 (B) copper chloride
 (C) Copper iron sulphate
 (D) Iron chloride

30. _____ helps us announce a cyclone alert

- (A) Satellite (B) Stars
 (C) Sun (D) moon

31. The centre of a cyclone is a calm area and is called the _____ of the storm.

- (A) eye
- (B) Focus
- (C) Centre
- (D) Radius

32. The Department which prepares weather report is

- (A) Telecom Department
- (B) Electrical Department
- (C) Meteorological Department
- (D) Civil Department

33. _____ failure can be treated by the method of Dialysis.

- (A) Heart
- (B) Eye
- (C) Kidney
- (D) Liver

34. The Organism that does not have circulatory system

- (A) Dog
- (B) Frog
- (C) Human
- (D) Hydra

35. The soil containing greater portion of fine particles is called _____

- (A) Sandy soil
- (B) Loamy soil
- (C) Clayey soil
- (D) Bricks

36. The water holding capacity is the highest in

- (A) Sandy soil
- (B) Clayey soil
- (C) Loamy soil
- (D) Mixture of sand and loam

37. Male reproductive part of a plant is

- (A) Pores
- (B) Pistil
- (C) Stamen
- (D) Fusion

38. The process of digestion taking place in grass-eating animals is called ()

- (A) Egestion
- (B) Rumination
- (C) Assimilation
- (D) Absorption

39. Reproduction in yeast takes place by

- (A) zygote
- (B) Spore formation

(C) Fragmentation

(D) Budding

40. Increased wind speed is accompanied by

- (A) no change in temperature
- (B) Reduced pressure
- (C) increased pressure
- (D) No change in pressure

Questions 41 to 50: Logical Reasoning

41. If $AT=20$, $BAT=40$, then CAT will be equal to

- (A) 30
- (B) 50
- (C) 60
- (D) 70

42. Look at this series: 22, 21, 23, 22, 24, 23, .. What number should come next?

- (A) 22
- (B) 24
- (C) 25
- (D) 26

43. In the following number series how many times an odd number is followed by two even numbers?

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

- (A) 5
- (B) 2
- (C) 3
- (D) 4

44. What will be middle digit of the middle number after the following numbers are arranged in descending order?

268, 197, 678, 129, 259

- (A) 6
- (B) 9
- (C) 2
- (D) 5

45. Sponge is too porous as rubber is to

- (A) massive
- (B) solid
- (C) elastic
- (D) inflexible

46. Identify the figure that completes the pattern.

- (A) 1
- (B) 2
- (C) 3
- (D) 4



47. Pick the odd one out :

- (A) Computer
- (B) Radio
- (C) Telephone
- (D) X-ray

48. Introducing a man to her husband, a woman said, this brother's father is the only son of my grandfather." How is the woman related to his man?

- (A) Mother
- (B) Aunt
- (C*) Sister
- (D) Daughter

49. If \times means \div , $-$ means \times , \div means $+$ and $+$ means $-$ than $(3 - 15 \div 19) \times 8 + 6 = ?$

- (A) 8 (B) 4
- (C) 2 (D) -1

50. Find out the wrong term in the series 2, 5, 10, 50, 500, 5000

- (A) 5000
- (B) 500
- (C) 10
- (D) 50

Questions 51 to 60: General Knowledge

51. Tipu Sultan was the ruler of

- (A) Hyderabad
- (B) Madurai
- (C) Mysore
- (D) Vijayanagar

52. The purpose of choke in tube light is?

- (A) To decrease the current
- (B) To increase the current
- (C) To decrease the voltage momentarily
- (D) To increase the voltage momentarily

53. Who is known as 'Trimurthy of Carnatic Music'?

- (A) MuthuswamiDikshitar
- (B) Purandardasa
- (C) Swami Thirunal
- (D) None of these

54. Who is the author of the book titled-'Vanessa and Her Sister'?

- (A) Raj Kamal Jha
- (B) PriyaParmar
- (C) Akhil Sharma
- (D) Neel Mukherjee

55. On which date, the International Day for the Abolition of Slavery is observed?

- (A) November 15
- (B) November 30
- (C) December 2
- (D) December 10

56. Which among the following countries is the world's largest cotton producer?

- (A) USA
- (B) China
- (C) Australia
- (D) India

57. Which among the following internet giants is starting the 'Project Loon' in India?

- (A) Microsoft
- (B) Amazon
- (C) Google
- (D) Facebook

58. Dholera (known for geothermal bore well) is located in which state?

- (A) Bihar
- (B) Maharashtra
- (C) Karnataka
- (D) Gujarat

59. Festival 'Sahabat India', is celebrated in which of the following countries?

- (A) Italy (B) France
- (C) Indonesia (D) Malaysia

60. Which country was most hit by the rare and historic cyclone Chapala?

- (A) Yemen (B) Omen
- (C) Somalia (D) Malaysia

ROUGH WORK



Knowledge Partner



Organized by



Managed by



Indian Intelligence Test, Jagran Prakashan Ltd., Dainik Jagran - inext, Jagran Building - 2, Sarvodaya Nagar, Kanpur- 208005, Uttar Pradesh.
Helpline Number : 7311192685, For latest updates & information, please visit www.indianintelligencetest.com