

1. Sharmila started to move in the south direction. After moving 15 metres, she turned to her left twice and moved 15 metres each time. How far is she now and in which direction from her starting point :
- (1) 15 m. East
(2) 15 m. South
(3) $15\sqrt{2}$ East
(4) 30 m. West

2. From the given alternatives, choose the word which can be formed using the letters of the word 'REPUTATION' :
- (1) TOTAL (2) TITAN
(3) RETIRE (4) REQUIRE

3. Which of the following diagrams represents the correct relationship between Books, Novels and Dictionaries :



4. What is the number of triangles in the figure given below :



- (1) 20 (2) 18
(3) 16 (4) 12

5. Looking at a woman sitting next to him, Raman said, "she is sister of the husband of my wife". How is the woman related to Raman :

- (1) Daughter (2) Sister
(3) Wife (4) Niece

6. A person starts from a point A and travels 3 km towards East to reach point B. Then he turns left and travels three times that distance to reach C. He

again turns left and travels five times the distance he covered between A and B and reaches his destination D. The shortest distance between the starting point and the destination is :

- (1) 10 km (2) 18 km
(3) 15 km (4) 27 km

7. Pointing towards a person, a man said to a woman, "His mother is the only daughter of your Father". How is the woman related to that person ?

- (1) Daughter (2) Sister
(3) Mother (4) Wife

8. What will be the correct arrangement of given leaves according to their size (Small to Large) :

- (1) Mango Leaf
(2) Tamarind Leaf
(3) Papaya Leaf
(4) Banana Leaf

- (1) 1, 2, 3, 4 (2) 3, 2, 1, 4
(3) 1, 3, 2, 4 (4) 2, 3, 1, 4

9. Choose the correct alternative that will continue the same pattern and replace the question mark in the series given below :

8, 26, 116, 596, 7

- (1) 1792 (2) 3502
(3) 3504 (4) 3506

10. Which term of the series 1, 10, 25, 40, is 1280 :

- (1) 10th (2) 9th
(3) 8th (4) 11th

11. The position of how many letters in the word 'WORDSEK-FUL' will remain unchanged when the letters within the word are arranged alphabetically :

- (1) One (2) Two
(3) Three (4) None

12. A meaningful word starting from A is made from the First, Second, Fifth, Sixth and Sixth letters of the word 'CONTRACT'. Which of the

following is the middle letter of that word :

- (1) C (2) O
(3) R (4) T

13. In a row of boys facing the North, A is sixteenth from the left and C is sixteenth from the right and B, who is fourth to the right of A, is fifth to the left of C in the row. How many boys are there in the row :

- (1) 39 (2) 40
(3) 41 (4) 42

14. If the day before yesterday was Saturday, the day after tomorrow will be :

- (1) Friday
(2) Thursday
(3) Wednesday
(4) Tuesday

15. If P denotes +, Q denotes ×, R denotes - and S denotes ÷, then the value of $16Q12P4R5S6$ will be :

- (1) 53 (2) 54
(3) 63 (4) 65

16. The length of the diagonal of a square is 'a' cm. Which of the following represents the area of the square in sq. cm :

- (1) $2a^2$ (2) $\frac{a^2}{2}$
(3) $\frac{a^2}{2}$ (4) $\frac{a^2}{4}$

17. The breadth of a rectangular hall is three-fourth of its length. If the area of the floor is 750 sq.m., then the difference between the length and breadth of the hall is :

- (1) 8 m (2) 12 m
(3) 24 m (4) 32 m

18. Ashok has drawn an angle measuring $45^\circ 27'$ when he was asked to draw an angle of 45° . The percentage error in his drawing is :

- (1) 0.3% (2) 1.0%
(3) 1.3% (4) 2.0%

28. If $x = 7 - 4\sqrt{3}$, then the value

$$\text{of } \left(x + \frac{1}{x}\right) \text{ is :}$$

- (1) $3\sqrt{3}$ (2) $4\sqrt{3}$
(3) $14 + 4\sqrt{3}$ (4) 14

29. If $a : b = 2 : 3$ and $b : c = 4 : 5$,

- then $a^2 : b^2 : bc = ?$
(1) 4 : 9 : 45
(2) 16 : 36 : 45
(3) 16 : 36 : 20
(4) 4 : 36 : 45

31. Bronze is an alloy consisting of :

- (1) Cu & Al (2) Sn & Zn
(3) Cu & Sn (4) Sn & Cr

32. The pH value of Lemon Juice should be :

- (1) 7.0
(2) Less than 7.0
(3) More than 7.0
(4) Zero

33. Study of inter-relationship between living organisms and their environment is called :

- (1) Ecology (2) Evolution
(3) Eugenics (4) Ethology

34. The value of 'g' (acceleration due to gravity) is maximum at :

- (1) Equator
(2) Poles
(3) Earth's Centre
(4) Mount Everest

35. 'Electron' was discovered by :

- (1) Rutherford
(2) Chadwick
(3) J.J. Thomson
(4) Anderson

36. A charged particle accelerator which can accelerate charged particles to high energies is called :

- (1) Cryometer
(2) Comensulator
(3) Magnetometer
(4) Cyclotron

37. The 'Second Generation Computers' used which of the following as the main electronic component :

- (1) Transistor
(2) Optical Fibre
(3) Vacuum Tubes
(4) Integrated Circuits

38. Y-2K was a computer programming problem associated with the calendar (Date, Month & Year) also known as :

- (1) Trojan Virus
(2) Silicon Bug
(3) Meme Chip Bug
(4) Millennium Bug

39. 'CDMA' stands for :

- (1) Computer Designed Multiple Access
(2) Code Division Multiple Access
(3) Compact Disk Multiple Access
(4) Centre for Development of Message Access

40. East Central Railway became operational in :

- (1) October 2000
(2) October 2001
(3) October 2002
(4) October 2003

41. If a man walks 20 km at the speed of 5 km/hr., will be late by 45 minutes. If he walks at 8 km/hr., how early from the fixed time will he reach :

- (1) 15 Minutes
(2) 25 Minutes
(3) 50 Minutes
(4) 1 hr. 30 Minutes

42. In covering a certain distance, the speed of A and B are in the ratio of 3 : 4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is :

- (1) 1 hour (2) $1\frac{1}{2}$ hours
(3) 2 hours (4) $2\frac{1}{2}$ hours

43. If the H.C.F. of two numbers (each greater than 13) is 13 and L.C.M. is 378, then the sum of the number will be :

- (1) 386 (2) 150
(3) 288 (4) 260

44. Which of the following fractions is the largest :

- (1) $\frac{7}{8}$ (2) $\frac{13}{15}$
(3) $\frac{31}{40}$ (4) $\frac{63}{80}$

45. $(250)^m \times (16)^n = 7$

- (1) 4 (2) 10
(3) 64 (4) 256

$$46. \frac{4\frac{2}{3} - 2\frac{13}{4} + 1\frac{5}{7} + 3\frac{1}{7} = ?}{\frac{1}{9} \times 2 - \frac{1}{45} - 3\frac{16}{27} = ?}$$

- (1) $\frac{2}{3}$ (2) $1\frac{3}{4}$
(3) $1\frac{2}{3}$ (4) $1\frac{1}{3}$

$$47. 999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7} = ?$$

- (1) 6007 (2) 6076
(3) 5007 (4) 5004

48. A total of 324 coins of 20 paise and 25 paise make a sum of ₹71. The number of 25 paise coins is :

- (1) 126 (2) 144
(3) 124 (4) 200

49. Ash is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek and Tarun is 48 years, how old is Ash :

- (1) 26 years (2) 48 years
(3) 22 years (4) 24 years

50. Out of 100 students, 60 failed in English and 30 in Mathematics. If 12 students fail in both English and Mathematics, then the number of students who passed in both the subjects is :

- (1) 26 (2) 28
(3) 30 (4) 32

51. The 'Indus Valley Civilization' was Non-Aryan because :

- (1) It was urban
(2) It has a pictographic script

40. It had an agricultural economy
41. It extended upto the Narmada Valley
42. Which of the following Indus Civilisation cities had no fortified citadel :
 (1) Lothal
 (2) Harappa
 (3) Mohenjodaro
 (4) Mehrgarh
43. The religion of 'Early Vedic Aryans' was primarily :
 (1) Shakti
 (2) Image Worship and Yajnas
 (3) Worship of Nature and Yajnas
 (4) Shakti and Deity Worship
44. Which of the following places is associated with Jainism ?
 (1) Kapilavastu
 (2) Pataliputra
 (3) Prayag
 (4) Shravasti
45. A Buddhist Council during the reign of Kanishka was held at :
 (1) Pataliputra
 (2) Varanasi
 (3) Kashmir
 (4) Rajgrha
46. In the Mahajan Kingdom, 'Tassa' implied :
 (1) Gold Coin
 (2) Transit Tax
 (3) Agricultural Tax
 (4) Province
47. The 'Chola South Order' was established in India by :
 (1) Kharaja Dasturuddin
 (2) Kharaja Mansabdars
 (3) Sheikh Ahmad Sirhindi
 (4) Sheikh Bahauddin Zakariya
48. Who among the following was the founder of Satya Shodhak Samaj :
 (1) B.R. Ambedkar
 (2) Jyotiba Phule
 (3) Narayan Guru
 (4) Mahatma Gandhi
49. The 'Moplah Revolt' of 1921 took place in :
 (1) Kashmir (2) N.W.F.P.
 (3) Kerala (4) Champaran

50. Who called Bal Gargadher Tikak the 'Father of Indian Unrest' :
 (1) Valentine Chatter
 (2) Vincent Smith
 (3) Lord Curzon
 (4) Henry Cotton
51. A shopkeeper claims to sell his articles at discount of 10%, but marks his articles by increasing the cost of each by 20%. His gain percent is :
 (1) 6% (2) 8%
 (3) 10% (4) 12%
52. If the income of A is 10% more than that of B and the income of B is 20% less than of C, then the incomes of A, B, C are in the ratio :
 (1) 22 : 30 : 25
 (2) 11 : 10 : 8
 (3) 10 : 9 : 7
 (4) 22 : 18 : 25
53. 8 men and 12 children can do a piece of work in 9 days. A child takes double the time to do the work than the man. In how many days 12 men can complete the work :
 (1) $10\frac{1}{2}$ days
 (2) 14 days
 (3) 18 days
 (4) $15\frac{1}{2}$ days
54. A pump can fill a tank with water in 2 hours. Because of a leak in the tank, it takes $2\frac{1}{3}$ hours to fill the tank. The leak can empty the filled tank in :
 (1) $3\frac{1}{3}$ hours (2) 7 hours
 (3) 14 hours (4) 18 hours
55. Two trains 105 m and 90 m long run at the speeds of 45 kmph and 72 kmph respectively in opposite direction on parallel tracks. The time in which they cross each other is :
 (1) 3 sec. (2) 6 sec.
 (3) 7 sec. (4) 8 sec.

56. A cylinder and a cone have the same height and same radius of base. The ratio between the volumes of the cylinder and the cone is :
 (1) 2 : 1 (2) $\sqrt{3}$
 (3) 1 : 2 (4) 3 : 1
57. The radius of a circle is 13 cm and AB is a chord which is at a distance of 12 cm from the centre. The length of the chord is :
 (1) 10 cm (2) 8 cm
 (3) 10 cm (4) 12 cm
58. $\frac{1}{1 + \tan^2 \theta} = \frac{1}{1 + \cot^2 \theta} = ?$
 (1) $\frac{1}{2}$ (2) $\frac{1}{4}$
 (3) 2 (4) 1
59. A ladder leaning against a vertical wall makes an angle of 45° with the horizontal ground. The foot of the ladder is 5 m from the wall. The length of the ladder is :
 (1) 4 m (2) $3\sqrt{2}$ m
 (3) 5 m (4) None of these
60. In a triangle ABC, $\angle A = \angle B = 30^\circ$ and $\angle B = \angle C = 120^\circ$. Then what is the value of $\angle B$:
 (1) 30° (2) 60°
 (3) 45° (4) 57°
61. Who among the following was the editor of 'Young India' :
 (1) M.K. Gandhi
 (2) Jawahar Lal Nehru
 (3) Subhash Chandra Bose
 (4) B.R. Ambedkar
62. Who attended the 'Congress of Oppressed Nationalities' at Brussels in 1927 on behalf of the Indian National Congress :
 (1) Mahatma Gandhi
 (2) Jawahar Lal Nehru
 (3) Subhash Chandra Bose
 (4) B.R. Ambedkar
63. Marble is a :
 (1) Igneous Rock
 (2) Sedimentary Rock
 (3) Metamorphic Rock
 (4) Basaltic Rock

64. Which of the following is freely available in the gaseous, liquid and solid states :
- (1) CO (2) CO₂
(3) O₂ (4) H₂O
65. Any location on the Earth is described by :
- (1) Its Elevation and Depression
(2) It's Distance from the Equator
(3) Its Distance from the Poles
(4) Its Latitude and Longitude
66. Which of the following planets is known as the 'Viled Planet' ?
- (1) Mars (2) Venus
(3) Mercury (4) Earth
67. 'Shangri-la' and 'Miyako' Division of Railway are part of which of the following Zonal Railways :
- (1) Southern Railway
(2) South Western Railway
(3) South East Central Railway
(4) South Central Railway
68. The trial run of some high-speed train (semi bullet train) at the speed of 160 km/hr in July 2014 took place between :
- (1) Delhi to Agra
(2) Delhi to Bhopal
(3) Delhi to Chandigarh
(4) Ahmedabad to Mumbai
69. Canal Reels are :
- (1) Underwater structures made of Volcanic rocks
(2) Underwater structures made of Marine sediments
(3) Underwater structures made of Chlorine materials precipitated from sea water
(4) Underwater structures of Calcium Carbonates made by dry colonial marine animals
70. The Canal which links Mediterranean Sea with Red Sea is :
- (1) Suez Canal
(2) Malacca Canal
(3) Panama Canal
(4) Gibraltar Canal
71. The judiciary in the Union Territory of Pondicherry comes under the administrative control of :
- (1) High Court of Judicature at Kolkata
(2) High Court of Judicature at Mumbai
(3) High Court of Judicature at Madras (Chennai)
(4) None of these
72. Which of the following is India's largest Public Sector Commercial Bank ?
- (1) IDBI Bank
(2) ICICI Bank
(3) AXIS Bank
(4) SBI
73. Bad Loans in Banking terminology are known as :
- (1) NPAs (2) Prime Loans
(3) BPCs (4) CBS
74. 'Sempur Mela (Katie Fair)' is also called :
- (1) Saurashtra Mela
(2) Harihar Keshava Mela
(3) Janaki Navratri Mela
(4) Vasahi Mela
75. Who is the author of the book 'India Divided' ?
- (1) Mahatma Gandhi
(2) Abul Kalam Azad
(3) Dr. Rajendra Prasad
(4) Jawahar Lal Nehru
76. The percentage of Scheduled Tribes (ST) population in Bihar is about :
- (1) 7.5% (2) 15.3%
(3) 1.2% (4) 11%
77. Zakia Jhagga, who died in July 2014 at the age of 108 years was :
- (1) An Actress
(2) A Journalist
(3) A Painter
(4) A Human Right Activist
78. Padma Shri Sita Devi was a legendary figure of :
- (1) Classical Dance
(2) Bhopali Cinema
(3) Madras Cinema
(4) Madhubani Painting
79. The winner of 2014 Wimbledon Women's Singles title is :
- (1) Petra Kvitova
(2) Sabine Lisicki
(3) Serena Williams
(4) Maria Sharapova
80. Which of the following countries defeated Brazil by 7-1 in 2014 FIFA World Cup Semi-final ?
- (1) Argentina (2) Netherlands
(3) Germany (4) France
81. Which of the following Political Parties got the 3rd highest seats in 16th Lok Sabha Elections held in 2014 ?
- (1) BJP
(2) AIADMK
(3) Trinamool Congress
(4) NDA
82. Who among the following is the richest member of Parliament of 16th Lok Sabha ?
- (1) Konda Vishwanath Reddy
(2) Gokaraju Ganesh Babu
(3) Nara Chandrababu Naidu
(4) Jagadev Gaitonde
83. Who among the following held the office of the Vice-President of India for two consecutive terms :
- (1) Dr. B. Radhakrishnan
(2) Mr. R. Venkateswaram
(3) Dr. Shankar Dayal Sharma
(4) Mr. Y. V. Reddy
84. Consider the following words :
- (1) Secular
(2) Democratic
(3) Sovereign
(4) Secular
- Choose the response which gives their correct order in the Preamble of our Constitution :
- (1) 1, 2 and 3
(2) 3, 4, 1 and 2
(3) 3, 2, 1 and 4
(4) 2, 1, 3 and 4
85. Finance Bill of Indian Government is presented in :
- (1) Upper House
(2) Lower House
(3) Reserve Bank of India
(4) Finance Commission
86. Typhoid disease is caused by :
- (1) Bacteria (2) Worms
(3) Virus (4) Fungus

87. The destruction of Red Blood Corpuscles (RBC) takes place in :

- (1) Lymph Node
- (2) Liver and Spleen
- (3) Bone Marrow
- (4) Intestine

88. The smallest bone in human body is :

- (1) Stapes (2) Humerus
- (3) Tarsal (4) Femur

89. 'Antoni' are :

- (1) A class of Animal Hormones
- (2) A Group of Virus
- (3) A Group of Bacteria
- (4) A Class of Plant Hormones

90. Role of Chlorophyll in Photosynthesis is :

- (1) Absorption of Water
- (2) Absorption of light energy
- (3) Absorption of CO_2
- (4) None of these

91. In the given series, one term is wrong. Find out the wrong term from the alternatives given below :

69, 55, 36, 12, 5

- (1) 5 (2) 12
- (3) 36 (4) 55

92. Choose the correct alternative that will continue the same pattern and replace the question mark in the series given below :

4, 10, 7, 62, 244, 730

- (1) 34 (2) 58
- (3) 32 (4) 77

93. Choose the correct alternative that will continue the same pattern and replace the question mark in the series given below :

ESA, XTD, P, TSL, RIM

- (1) WCF (2) SMH
- (3) GNV (4) VSO

94. The two words "Birds : Wings" have a certain relationship to each other. Choose the correct alternative in which the two words similar relationship :

- (1) Whale : Water
- (2) Dog : Lungs

(3) Car : Wheel

(4) Pen : Paper

95. The two words "Hitler : Germany" have a certain relationship to each other. Choose the correct alternative in which the two words have similar relationship :

- (1) Shakespeare : England
- (2) Masochini : Italy
- (3) Boris Yeltsin : Russia
- (4) Tulsidas : India

96. In the alternatives given below, three are alike in some manner while the fourth one is different. Choose the odd one :

- (1) Hear
- (2) Smell
- (3) Taste
- (4) Think

97. In the alternatives given below, three are alike in some manner while the fourth one is different. Choose the odd one :

- (1) Dabul
- (2) Abdul Faid
- (3) Faiz Ahmed
- (4) Tansen

98. If E = 5 and HOTEL = 12, then the code of LAMB will be :

- (1) 7 (2) 10
- (3) 26 (4) 28

99. If DRIVER = 12, PEDAGOGICAL = 50, ACCIDENT = 16, then CAR = ?

- (1) 3 (2) 6
- (3) 8 (4) 10

100. In a certain code language 'col tip mol' means 'singling appreciable', 'mol baj min' means 'dancing is good' and 'tip-top baj' means 'singling and dancing'. Then which of the following means 'good' in the code language ?

- (1) mol
- (2) min
- (3) baj
- (4) Can't be determined