



Q1. Find the odd one out:

Ostrich, Crow, Pigeon, Sparrow.

- (a) Ostrich
- (b) Pigeon
- (c) Crow
- (d) Sparrow

Q2. Simplify $\sqrt{(1 - \sin^2 \theta) \div (1 - \cos^2 \theta)}$

- (a) $\cot \theta$
- (b) $\tan \theta$
- (c) $\sec \theta$
- (d) $\operatorname{cosec} \theta$

Q3. Pick the odd one out:

28, 44, 68, 80, 92

- (a) 28
- (b) 44
- (c) 80
- (d) 92

Q4. How much is one decalitre?

- (a) 10 kilolitre
- (b) 10 litre
- (c) 100 litre
- (d) 10 centilitre

Q5. Which river used to be called the 'Sorrow of Bengal'?

- (a) Brahmaputra
- (b) Hooghly
- (c) Bhagirathi
- (d) Damodar

Q6. If TEACHER: BOOKS, DOCTOR : ?

- (a) Chalk
- (b) Cycle
- (c) Stethoscope
- (d) Apron

Q7. In BRICS, which country is denoted by 'B'?

- (a) Bangladesh
- (b) Belgium
- (c) Brazil
- (d) Bahrain

Q8. Mrinalini Sarabhai passed away recently. Who was she?

- (a) Film Actress
- (b) Scientist
- (c) Classical Dancer
- (d) Playback Singer

Q9. Mohan is taller than Rohan but shorter than Farhan. Kannan is shorter than Mohan but taller than Rohan. Shankar is taller than Rohan and Farhan. Who is the tallest?

- (a) Mohan
- (b) Farhan
- (c) Shankar
- (d) Kannan

Q10. In a running race, if you overtake the last but one contestant, which position are you in?

- (a) Last
- (b) Second from last
- (c) Third from last
- (d) Fourth from last

Q11. What was the name of Maharana Pratap's horse?

- (a) Bulbul
- (b) Chetak
- (c) Hayagriva
- (d) Badal

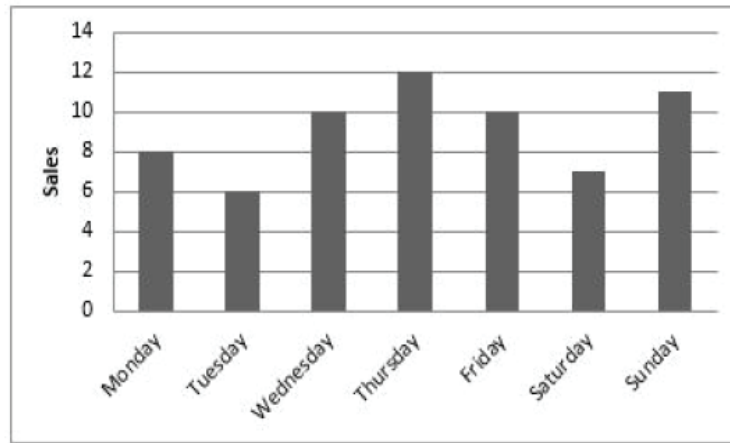
Q12. Aman and Ajay can build a wall in 9 days and 12 days respectively. In how many days can they finish the work if they work together?

- (a) $5\frac{1}{7}$
- (b) $11\frac{1}{2}$
- (c) 2
- (d) 7

Q13. Who is thought to have invented the thermo scope?

- (a) Galileo Galilei
- (b) Copernicus
- (c) Isaac Newton
- (d) J. Kepler

Q14. The number of bicycles sold by a shopkeeper in a particular week is shown below. How many bicycles were sold from Thursday to Sunday?



- (a) 39
- (b) 38
- (c) 40
- (d) 36

Q15. Who is a hacker?

- (a) A person who sells goods in the street.
- (b) A person who uses computers to gain unauthorized access to data.
- (c) A person who only sells computers online.
- (d) A person who records phone calls.

Q16. What is the measure of the two equal angles of a right isosceles triangle?

- (a) 30°
- (b) 45°
- (c) 60°
- (d) 90°

Q17. Arteries carry blood, that is filled with

- (a) Oxygen
- (b) Carbon dioxide
- (c) Toxins
- (d) Lipids

Q18. Which of this is not a memorial to a dead person?

- (a) Bibi ka Maqbara
- (b) Taj Mahal
- (c) Charminar
- (d) Itmad Ud Daulah

Q19. Find two consecutive numbers where thrice the first number is more than twice the second number by 5.

- (a) 5 and 6
- (b) 6 and 7
- (c) 7 and 8
- (d) 9 and 10

Direction (20 – 22); Amar, Babu, Cera and Diya were asked to solve a question paper with 4 multiple choice questions with choices 1,2,3,4. The answer sheet as marked by them is reproduced here.

Amar Babu Cera Diya

Q1	2	1	1	3
Q2	4	3	2	4
Q3	3	4	3	1
Q4	3	2	2	4

Babu got all answers wrong. Amar's first two answers were definitely wrong. Diya got two answers right but her fourth answer was definitely wrong. Amar and Cera each have got only one correct answer.

Q20. Which of Cera's question is correct?

- (a) Q1
- (b) Q2
- (c) Q3
- (d) Q4

Q21. Which two answers of Diya is correct?

- (a) Q1 and Q2
- (b) Q1 and Q3
- (c) Q2 and Q3
- (d) Q3 and Q4

Q22. Whose answer to Q4 is correct?

- (a) Amar
- (b) Babu
- (c) Diya
- (d) None

Q23. In which State is Karla, famous for its Buddhist caves, located?

- (a) Maharashtra
- (b) Uttar Pradesh
- (c) Uttarakhand
- (d) Madhya Pradesh

Q24. In the following number series, one missing term is shown by '?'. Choose the missing term from the options below.

6, 12, 20, 30, ?, 56, 72

- (a) 40
- (b) 42
- (c) 44
- (d) 48

Q25. When was the Indian Constitution amended for the first time?

- (a) 1949
- (b) 1951
- (c) 1952
- (d) 1953

Q26. Circle: Circumference as Square:

- (a) Sides
- (b) Area
- (c) Perimeter
- (d) Diagonal

Q27. With which sport is Karnam Malleswari associated?

- (a) Tennis
- (b) Swimming
- (c) Athletics
- (d) Weightlifting

Q28. Which was the first satellite to orbit our Moon?

- (a) Luna 2
- (b) Luna 10
- (c) Apollo 10
- (d) Apollo 11

Q29. What should be subtracted from 107.03 to get 96.4?

- (a) 1.63
- (b) 10.63
- (c) 10.53
- (d) 9.63

Q30. Which number will be in the middle if the following numbers are arranged in descending order?

4456, 4465, 4655, 4665, 4565

- (a) 4456
- (b) 4465
- (c) 4565
- (d) 4655

Q31. Find the product of square root of 16 and square of 4?

- (a) 8
- (b) 64
- (c) 16
- (d) 256

Q32. Which of the following is true?

- (a) 1 Gigabyte = 1024 MB
- (b) 1 Gigabyte = 1,000,000 Kilobytes
- (c) 1 Gigabyte = 10,000 MB
- (d) 1 Gigabyte = 100,000 KB

Q33. If 'A' is the son of 'B' and is the father of 'C' how is 'B' related to 'C'?

- (a) Father
- (b) Son
- (c) Grandparent
- (d) Grandchild

Q34. XCVI denotes

- (a) 116
- (b) 496
- (c) 96
- (d) 84

Q35. World Tuberculosis (TB) day is observed on?

- (a) 28th March
- (b) 24th March
- (c) 24th May
- (d) 28th May

Q36. Unscramble the letters 'CCITRKE' to form an English word and find the fifth letter of the unscrambled word?

- (a) C
- (b) K
- (c) E
- (d) I

Q37. Which of the following are called supplementary angles?

- (a) Angles totaling 180°
- (b) Angles totaling 135°
- (c) Angles totaling 75°
- (d) Angles totaling 90°

Q38. Who gave the slogan 'Do or Die' during India's freedom struggle?

- (a) Veer Savarkar
- (b) Nethaji Subhas Chandra Bose
- (c) Mahatma Gandhi
- (d) Subramanya Bharati

Q39. Rajiv said, pointing to a girl, "She is the only daughter of the father of my sister's brother". If so how is the girl related to Rajiv?

- (a) Mother
- (b) Aunt
- (c) Sister
- (d) Sister-in-law.

Q40. A man buys 144 oranges for Rs. 360 and sells them at a gain of 10%. At what rate per dozen does he sell them?

- (a) 25
- (b) 30
- (c) 33
- (d) 36

Q41. Arrange the following word in alphabetical order and find the third word?

Singer, Single, Sinister, Simple.

- (a) Single
- (b) Singer
- (c) Sinister
- (d) Simple

Direction (42 -44); Read the following information and answer the following questions.

In a class of 40 students, 28 can speak Tamil and 30 can speak Telugu.

All students can speak at least one of the two languages.

Q42. Find the number of persons who can speak only Telugu?

- (a) 8
- (b) 10
- (c) 12
- (d) 14

Q43. Find the number of students who can speak only Tamil.

- (a) 8
- (b) 10
- (c) 12
- (d) 14

Q44. Find the minimum number of students who can speak both Tamil and Telugu.

- (a) 12
- (b) 15
- (c) 18
- (d) 22

Q45. The function of the lens in our eyes is to

- (a) Cover the eyes
- (b) Send messages of images to the brain
- (c) Change the focal distance of the eye
- (d) Protects eyes from injury.

Q46. How many moons does the planet Mars have?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Q47. In India who is the executive head of the state?

- (a) Prime Minister
- (b) The President
- (c) The Chief justice of Supreme Court
- (d) The Governor

Q48. The product of 2 numbers is 35828 and their HCF is 26. Find their LCM.

- (a) 931788931788
- (b) 689
- (c) 1378
- (d) 3583

Q49. Which is the capital of Cyprus?

- (a) Nicosia
- (b) Polis
- (c) Lamaca
- (d) Araddipou

Q50. If your father were your mother, your mother your brother, your brother your sister and your sister your father, how would you call your sister?

- (a) Father
- (b) Mother
- (c) Brother
- (d) Sister

Q51. Raj scored 67, 69, 78, and 88 in 4 of his subjects. What should be his score in the 5th subject so that his average equals 80?

- (a) 88
- (b) 90
- (c) 96
- (d) 98

Q52. Who invented Penicillin?

- (a) Ian Fleming
- (b) Alexander Fleming
- (c) Stephen Hawking
- (d) Alexander Graham Bell

Q53. Aruna Asaf Ali is remembered for hoisting the Indian National Congress Flag at

- (a) Non-cooperation Movement.
- (b) Civil Disobedience Movement
- (c) Self-rule Movement
- (d) Quit India Movement

Q54. In 2014, the _____ Lok Sabha was elected.

- (a) 16th
- (b) 19th
- (c) 14th
- (d) 23rd

Q55. Which boxer is nicknamed 'The Real Deal'?

- (a) Mike Tyson
- (b) Mohammed Ali
- (c) Evander Holyfield
- (d) Joe Louis

Q56. If Christmas was on Sunday in 2011, what day will it be in 2012?

- (a) Monday
- (b) Tuesday
- (c) Wednesday
- (d) Thursday

Direction (57 -59); Read the following information and answer the following questions.

Five girls are sitting in front, facing you.

Ruhi and Manali respectively are sitting to the right and left of Urja.

Dhwani is sitting between Manali and Tanya.

Q57. How many girls are there between Dhwani and Ruhi?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Q58. Who is sitting in the middle?

- (a) Dhwani
- (b) Urja
- (c) Manali
- (d) Tanya

Q59. Who is sitting at the right of Tanya?

- (a) Ruhi
- (b) Manali
- (c) Dhwani
- (d) Urja

Q60. The Rowlatt Act was passed in which year?

- (a) 1919
- (b) 1921
- (c) 1923
- (d) 1916

Q61. Blunt: Sharp as Sow:

- (a) Reap
- (b) Seeds
- (c) Farmer
- (d) Crop

Q62. Which among the below choices can cause a Tsunami (also known as harbor wave)

- (a) Under sea earthquakes
- (b) Typhoon
- (c) Volcanic eruptions on land
- (d) Drought

Q63. Find the odd one out.

1, 8, 27, 36, 125, 216

- (a) 1
- (b) 8
- (c) 36
- (d) 216

Q64. Calculate the amount on Rs. 37,500 @ 8% p.a compounded half yearly for $1\frac{1}{2}$ years.

- (a) Rs. 42,182.40
- (b) Rs. 42,000
- (c) Rs. 42,120
- (d) Rs. 42,812.40

Q65. How many prime numbers are there between 50 and 100?

- (a) 6
- (b) 10
- (c) 13
- (d) 5

Q66. What percent of 1 hour is 1 minute and 12 seconds?

- (a) 2%
- (b) 12%
- (c) 11%
- (d) 1.2%

Q67. Find the odd one out : External Hard drive, Keyboard, Digital camera, Compact Disc

- (a) External Hard drive
- (b) Keyboard
- (c) Digital camera
- (d) Compact Disc

Q68. Three bells ring at intervals of 15, 20 and 30 minutes respectively. If they all ring at 11.00 a.m. together, at what time will they next ring together?

- (a) 11.30 a.m.
- (b) 12 noon
- (c) 12.30 p.m.
- (d) 1.00 p.m.

Q69. When did Vasco da Gama land in India?

- (a) 1492
- (b) 1498
- (c) 1948
- (d) 1857

Q70. Five students Priyanka, Mary, Sunil, Asha and Ryan are standing in a line. Priyanka and Sunil are standing ahead of Ryan. Sunil is standing between Ryan and Asha. Between Sunil and Mary, Ryan is standing. Who is the first in the line?

- (a) Asha
- (b) Sunil
- (c) Ryan
- (d) Priyanka

Q71. From the following which is an example of a single-celled organism?

- (a) Protozoa
- (b) Anthropods
- (c) Echinoderms
- (d) Annelids

Q72. A's height is $\frac{5}{8}$ th of B's height. What is the ratio of B's height to A's height?

- (a) 5:8
- (b) 3:8
- (c) 5:3
- (d) 8:5

Q73. Which of the following is also called Marsh Gas?

- (a) Propane
- (b) Ethane
- (c) Methane
- (d) Butane

Q74. A man travelling by bus finds that the bus crosses 35 electric poles in 1 minute and the distance between 2 poles is 50 metres. Find the speed of the bus.

- (a) 112 km/hr
- (b) 102 km/hr
- (c) 110 km/hr
- (d) 120 km/hr

Q75. If AMERICA=1734651, INDIA=68961, how will you write CANADA?

- (a) 719181
- (b) 518191
- (c) 519581
- (d) 715148

Q76. Two-thirds of children are in the age group 1-12 years. Of this, if three-fourth are in the age group of 1-8 years find the fraction of children in the age group of 9-12 years?

- (a) $\frac{1}{3}$
- (b) $\frac{1}{4}$
- (c) $\frac{1}{6}$
- (d) $\frac{1}{2}$

Q77. Where can you find the Golden Temple of Dambulla?

- (a) Amritsar
- (b) Sri Lanka
- (c) Indonesia
- (d) Malaysia

Q78. If COW=41, GOAT=43, the DOG=?

- (a) 47
- (b) 38
- (c) 25
- (d) 26

Q79. In a company 10 employees get a salary of Rs. 36,200 each and 15 employees get a salary of Rs. 33,550 each. What is the average salary per employee?

- (a) 34,875
- (b) 34,610
- (c) 27,900
- (d) 36,410

Q80. Ram is 4 times his son's age today. Five years hence, Ram will be thrice his son's age Find their current ages?

- (a) 60,15
- (b) 40,10
- (c) 20,5
- (d) 32,8

Q81. Meena took a car loan for Rs. 275,000 from the bank. She paid an interest @ 8% p.a. and settled the account after 3 years. At the time of settlement she gave her old scooter to the bank plus Rs. 335,000. What price did the scooter fetch?

- (a) 60,000
- (b) 6,000
- (c) 66,000
- (d) 6,600

Q82. The distance between two places, A and B, is 300 km. Two riders, on scooters start simultaneously from A and B towards each other. The distance between them after 2.5 hrs is 25 km. If the speed of one scooter is 10 km/hr more than the other, find the speed of each scooter in km/hr

- (a) 50 and 60
- (b) 30 and 40
- (c) 40 and 50
- (d) 60 and 70

Q83. Emperor Ashoka was the successor of?

- (a) Chandragupta Maurya
- (b) Bindusara
- (c) Susima
- (d) Dashratha

Q84. The dance form Kuchipudi originated from which part of India?

- (a) Tamil Nadu
- (b) Maharashtra
- (c) Andhra Pradesh
- (d) Odisha

Q85. Who is believed to have built the Konark Temple?

- (a) Raja Kulothunga
- (b) Narasimha Deva I
- (c) Vishnugopa
- (d) Mahipala

Q86. A seven-sided polygon is called

- (a) Nonagon
- (b) Hexagon
- (c) Heptagon
- (d) Octagon

Q87. Julia started walking towards North direction from her house. After a while she turned left and later on turned right. She further turned right. Which direction is she facing now?

- (a) East
- (b) West
- (c) North
- (d) South

Q88. Read statements 1 and 2. Also read the conclusions 3 and 4 drawn from the statements.

Statement: 1. Some birds are Donkeys.

2. All donkeys are stupid.

Conclusions: 3. All birds are stupid.

4. Some birds are stupid.

Choose which of the conclusions are right.

- (a) Only 3 is correct
- (b) Only 4 is correct
- (c) Both 3 and 4 are correct
- (d) Neither 3 nor 4 is correct

Q89. What is the desert adjoining the Thar desert called in Pakistan?

- (a) Gobi
- (b) Cholistan
- (c) Sukkur
- (d) Mirpur

Q90. If $\cot A = \frac{12}{5}$ then $(\sin A + \cos A) \times \operatorname{Cosec} A$ is?

- (a) $12/5$
- (b) $17/5$
- (c) $11/5$
- (d) 2

Q91. Science of the study of preserved remains or traces of animals, plants, and other organisms from the remote past is called

- (a) Anthropology
- (b) Archaeology
- (c) Paleontology
- (d) Pharmacology

Q92. If $(a^2 - b^2) \div (a + b) = 25$, find $a - b$.

- (a) 15
- (b) 18
- (c) 25
- (d) 30

Q93. Atomic weight of an element is compared with which of the following to get the atomic weight of that element?

- (a) Oxygen
- (b) Carbon
- (c) Hydrogen
- (d) Nitrogen

Q94. What is the shape of the Earth?

- (a) Perfect hemisphere
- (b) Mostly flat
- (c) Perfect Sphere
- (d) Oblate Sphere

Q95. Which two teams played the first official international cricket match?

- (a) England and Australia
- (b) England and West Indies
- (c) USA and Canada
- (d) Australia and India

Q96. Which is the smallest continent?

- (a) Australia
- (b) Antarctica
- (c) Africa
- (d) South America

Q97. A man sells a table for Rs. 4200 at 25% loss. At what price must he sell to get a profit of 25%?

- (a) 1,400
- (b) 8,400
- (c) 7,000
- (d) 5,600

Q98. As the frequency of a wave increases, what happens to its wavelength?

- (a) It increases
- (b) It remains same
- (c) It decreases
- (d) There is no connection between the two

Q99. A tank can be filled by two taps X and Y in 5 hrs and 10 hrs respectively while another tap Z empties the tank in 20 hrs. In how many hours can the tank be filled if all 3 taps are kept open?

- (a) 5
- (b) 4
- (c) 7
- (d) 8

Q100. Anil bought 100 eggs at Rs. 6 per egg. He sold 25 eggs at 10% profit, another 25 eggs at 25% loss and the balance 50 eggs at 20% profit. Find the overall profit or loss percent Anil made?

- (a) 6.25% loss
- (b) 6.25% profit
- (c) 8% profit
- (d) 12% loss