

1. The age of a father is equal to the sum of the age of his 4 children. After 20 years, sum of the ages of the children will be twice the age of the father. What is the age of the father now?
(A) 50 (B) 40
(C) 45 (D) 48
2. The length of a rectangle is decreased by 50%. What percentage the width have to increased so as to maintain the same area :
(A) 100 (B) 50
(C) 75 (D) 120
3. The speed of a boat in still water is 15 km/hr. It can go 30 km upstream and return down stream to the original point in 4 hrs and 30 minutes. Find the speed of the stream :
(A) 4 km/hr (B) 8 km/hr
(C) 4.5 km/hr (D) 5 km/hr
4. Find the largest number that will divide 398, 436 and 542 leaving remainder 7, 11 and 15 respectively :
(A) 77 (B) 85
(C) 17 (D) 15
5. The angle between hour hand and minute hand of a clock when the time is 7.25 :
(A) 72° (B) 150°
(C) 72.5° (D) 180°
6. Ram bought a computer with 15% discount on the labelled price and sold it with 10% profit on the labelled price. Approximately, what was his percentage of profit on the price he bought :
(A) 29% (B) 31%
(C) 28% (D) 35%
7. A large tank filled with water is to be emptied by removing $\frac{1}{5}$ th of the water present in it everyday. After how many days will there be closest to 25% of the water left in the tank :
(A) 7th day (B) 6th day
(C) 5th day (D) 3rd day

8. If 15 persons can do a work in 16 days. After 4 days 3 more people joined in the work. In how many days the remaining work will complete :
- (A) 10 (B) 9
(C) 14 (D) 12
9. Rs. 2,400/- is divided among three persons P, Q and R respectively in the ratio 3 : 4 : 5. If an amount Rs. 200/- is added to each of their shares, what is the new respective ratio of their share amount :
- (A) 6 : 5 : 4 (B) 5 : 4 : 6
(C) 5 : 6 : 4 (D) 4 : 5 : 6
10. The compound interest on a certain sum for 2 years at 8% per annum is Rs. 1,040 /-. The simple interest on it at the same ratio for 2 years is :
- (A) 1000 (B) 980
(C) 1200 (D) 990
11. If "POLICE" is coded as "GEKNQR". Find the code of "OFFICER":
- (A) QHHKEGT (B) TGEKHHQ
(C) SFDJGEP (D) SEDTGGP
12. What is the next term in the sequence 30, 21, 39, 30, 57,?
- (A) 30 (B) 60
(C) 48 (D) 49
13. Sum of 'n' terms of the series $\sqrt{3} + \sqrt{12} + \sqrt{27} + \sqrt{48} + \dots$ is given by :
- (A) $\frac{n(n+1)}{2}$ (B) $\frac{\sqrt{3}}{2} n(n+1)$
(C) $\frac{n(n+1)}{\sqrt{3}}$ (D) $\frac{n(n+1)}{3}$
14. If P means addition, Q means subtraction, R means multiplication, S means division, what is the value of 30P20S5Q4R3 :
- (A) 38 (B) 40
(C) 22 (D) 28
15. What will be the maximum number of Sundays and Mondays in a leap year?
- (A) 104 (B) 106
(C) 105 (D) 103

16. The number of ways in which 5 different beads can be arranged to form a necklace is :
- (A) 24 (B) 120
(C) 12 (D) 18
17. Anu starts walking from home towards East, After walking for 20 m he turns right and goes for 10 m. He then turns left and goes for 20 m. He then turns right and go for 20 m. What is his position with respect to his starting point with magnitude and direction?
- (A) 30 m North-West (B) 30 m South-East
(C) 50 m North-West (D) 50 m South-East
18. In the given series one number is wrong. Find the number.
3, 6, 24, 72, 144, 576, 1152, 3456
- (A) 516 (B) 144
(C) 3456 (D) 1152
19. In a triangle ABC, angle A is larger than angle C and smaller than angle B by the same amount. If angle B is 70° , what is the value of angle A :
- (A) 60° (B) 53°
(C) 58° (D) 70°
20. In a class of 15 students, 4 failed in English, 6 failed in Mathematics and 3 failed in both. How many passed in both the subjects?
- (A) 1 (B) 0
(C) 7 (D) 8
21. Eutrophic lakes means :
- (A) Lake poor in nutrients (B) Lake rich in nutrients
(C) Lake poor in flora and fauna (D) Lake lacking water
22. An emulsion is a colloidal system consisting of :
- (A) two solids (B) two liquids
(C) one gas and one solid (D) one gas and one liquid
23. What is the scientific phenomenon behind the working of bicycle reflector?
- (A) reflection (B) refraction
(C) total internal reflection (D) defraction

24. Ionisation energy is lowest for :
(A) halogens (B) inert gases
(C) alkaline earth metals (D) alkali metals
25. Oxytocin hormone is secreted by :
(A) adrenal (B) ovary
(C) thyroid (D) pituitary
26. Graphite is used in nuclear reactors :
(A) as a lubricant
(B) as a fuel
(C) for lining inside of the reactor as an insulator
(D) for reducing the velocity of neutrons
27. Rickets and Kwashiorkor are :
(A) deficiency disease (B) hereditary disease
(C) infectious disease (D) communicable disease
28. What is the force of attraction between two bodies when one of the masses is doubled?
(A) halved (B) doubled
(C) increased 3 times (D) decreased to $1/4^{\text{th}}$
29. Ripening of fruit is associated with the hormone :
(A) auxin (B) cytokinin
(C) ethylene (D) none
30. Which is the form of energy present in the compressed spring?
(A) potential energy (B) kinetic energy
(C) electrical energy (D) heat energy
31. The third highest peak in the world is :
(A) Mt. K2 (B) Mt. Kanchenjunga
(C) Mt. Nandadevi (D) Mt. Nangaparbat
32. The Ilbert bill controversy related to :
(A) Lord Dufferin (B) Lord Wellesly
(C) Lord Rippon (D) Lord Mayo

33. The most extensive of the soil groups found in Kerala :
- (A) Alluvial soil (B) Black soil
(C) Red soil (D) Laterite soil
34. Who has been chosen for Sahitya Academic award 2013?
- (A) Chinu Modi (B) Hiren Battacharya
(C) Vattacharya Chandan (D) Prasoon Joshi
35. Who was the author of Mokohapradeepam?
- (A) Sreenarayana Guru (B) Brahmananda Sivayogi
(C) Vagbadananta (D) Vaikunta Swamikal
36. India's lowest temperature was recorded in :
- (A) Srinagar (B) Jammu
(C) Dras (D) Leh
37. Which football player wins FIFA Ballon d' or Award 2013?
- (A) Cristiano Ronaldo (B) Franck Ribery
(C) Lionel Messi (D) Zlatan Ibrahimovie
38. The name congress was suggested to the organisation by :
- (A) Gopalakrishna Gokhale (B) Dadabai Navaraji
(C) Gandhiji (D) A.O. Hume
39. Longest river of Kerala is :
- (A) Bharatapuzha (B) Pamba
(C) Periyar (D) Chaliyar
40. "Salt suddenly became a mysterious word, a word of power". These words were spoken by :
- (A) Tagore (B) Mahatma Gandhiji
(C) K. Kelappan (D) Jawaharlal Nehru
41. Winner of Nobel Prize of literature 2013 Alice Munro belongs to which country :
- (A) Canada (B) USA
(C) Germany (D) Denmark

42. Identify the state which is also known as "The City of Nizams and the City of Pearls" :
(A) Assam (B) Andhra Pradesh
(C) Arunachal Pradesh (D) Karnataka
43. The length of the coast line of Kerala is :
(A) 780 km (B) 680 km
(C) 580 km (D) 480 km
44. The motto of which journal was "awake, pray to the lord of the universe ! Arise now itself and oppose injustice" :
(A) Kerala vilambaram (B) Kerala sabdham
(C) Kerala bharatham (D) Abinava keralam
45. The 39th G8 summit, 2013 was held in :
(A) Northern Ireland (B) Switzerland
(C) Finland (D) Germany
46. Who called Jinnah 'the prophet of Hindu Muslim Unity'?
(A) Ravindranath Tagore (B) Sarojini Naidu
(C) Jawaharlal Nehru (D) Sir Sayyid Ahmed Khan
47. The important physical divisions of India formed by the rivers are :
(A) The Himalayas (B) The Deccan Plateau
(C) The Great Indian Plain (D) The Coastal Plains
48. The wettest Region of Kerala is :
(A) Idukki (B) Pathanamthitta
(C) Ernakulam (D) Kollam
49. Which state become first in India to implement electronic GPF in March 2013?
(A) Madhya Pradesh (B) Punjab
(C) Arunachal Pradesh (D) Mizoram
50. In which year was the Aruvippuram Sivalinga Prathishta?
(A) 1886 (B) 1887
(C) 1888 (D) 1889

51. Nation wide surveys on socio-economic issues are conducted by :
- (A) CSO (B) RGI
(C) DGCIS (D) NSSO
52. The Kaziranga National park is in :
- (A) Manipur (B) Arunachal Pradesh
(C) Meghalaya (D) Assam
53. Which great poet of Kerala set up a tile factory in Aluva?
- (A) Vallathole (B) Ulloor
(C) Vailoppilli (D) Kumaranasan
54. Dowry Prohibition Act was passed in the year :
- (A) 1961 (B) 1971
(C) 1951 (D) 1964
55. Which date is observed as 'Malala' day by United Nation in 2013?
- (A) 5th June (B) 13th June
(C) 2nd July (D) 12th July
56. The physiographic division lies in the eastern part of Kerala is :
- (A) Highland (B) Midland
(C) Lowland (D) Kayals
57. India has more than 65% of its population below the age of:
- (A) 25 (B) 45
(C) 35 (D) 55
58. Who said "Political freedom is the life breath of a nation"?
- (A) Aurobindo Gosh (B) Mahatma Gandhi
(C) Balagangadhar Tilak (D) K. Kelappan
59. Which launch vehicle is used during India's first Mars mission?
- (A) PSLV-C8 (B) PSLV-C12
(C) PSLV-C25 (D) PSLV-C28

60. India's only and first hospital for fish will come up in which of the following states :
- (A) Andhra Pradesh (B) Karnataka
(C) Goa (D) Kerala
61. The first person from a Minority Community to occupy the post of Prime Minister of India is :
- (A) Chandra Shekhar (B) P.V. Narasimha Rao
(C) Charan Singh (D) Dr. Manmohan Singh
62. The power of Judiciary of India to check and determine the validity of a law or an order may be described as the power of :
- (A) Judicial review (B) Writ
(C) Appellate jurisdiction (D) Original jurisdiction
63. According to the constitution of India, who certifies whether a particular bill is a money bill or not :
- (A) The President of India (B) The Finance Minister
(C) Speaker of Lok Sabha (D) The Prime Minister
64. Most members of the constituent Assembly commented that 'It is the very soul of the constitution and very heart of it'. Under which Article of the constitution of India, this statement is commented :
- (A) Article 14 (B) Article 356
(C) Article 370 (D) Article 32
65. Who have the power to summon a joint sitting of both Lok Sabha and Rajya Sabha in case of a dead lock between them is?
- (A) Speaker of Lok Sabha (B) The President of India
(C) The Prime Minister (D) The Vice-President
66. The Fundamental Duties are incorporated in the constitution of India by _____ Constitutional Amendment Act.
- (A) 42nd Amendment (B) 44th Amendment
(C) 73rd Amendment (D) 97th Amendment
67. The commission appointed to study the question of re-organisation of states on linguistic basis was under the Chairmanship of :
- (A) K.M. Panikkar (B) Sardar Vallabhai Patel
(C) Justice Fazal Ali (D) V.K. Krishna Menon