Directions (1–5) : Complete the series.

1. 0, 6, 24, 60, ?, 210
  (1) 117   (2) 119
  (3) 120   (4) 153

2.
2	14	21	28
3	21	28	35
4	?	35	?

  (1) 35 & 49   (2) 28 & 42
  (3) 21 & 42   (4) 49 & 28

3.
2	3	4
24	39	?
20	30	40

  (1) 44   (2) 49
  (3) 50   (4) 56

4. 16, 36, 64, ?
  (1) 81   (2) 90
  (3) 100   (4) 121

5. 3, 6, 10, ?, 21, 28
  (1) 16   (2) 10
  (3) 15   (4) 28

6. BOAT is related to OAR in the same way as BICYCLE is related to
  (1) Road   (2) Wheel
  (3) Seat   (4) Paddle

7. SACHIN TENDULKAR is related to CRICKET in the same way as SANIA MIRZA is related to
  (1) VOLLEYBALL
  (2) BOXING
  (3) CHESS
  (4) TENNIS

8. DEMOGRAPHER is related to PEOPLE in the same way as PHILATELIST is related to
  (1) FOSSILS   (2) STAMPS
  (3) PHOTOGRAPHY
  (4) MUSIC

9. DISEASE is related to PATHOLOGY in the same way as PLANET is related to
  (1) SUN   (2) SATELLITE
  (3) ASTROLOGY
  (4) ASTRONOMY

10. CELL is related to the same way as TISSUE is related to
  (1) OBJECT   (2) EAR
  (3) PAPER   (4) ORGAN

11. BLOOD is related to VEIN in the same way as OIL is related to
  (1) CAR   (2) ENGINE
  (3) PIPELINES (4) PETROL

12. SHIP is related to CAPTAIN in the same way as NEWSPAPER is related to
  (1) READER (2) PRINTER
  (3) PUBLISHER
  (4) EDITOR

13. FISH is related to WATER in the same way as BIRD is related to
  (1) WATER   (2) FOOD
  (3) SKY   (4) AIR

14. GOOD is related to BAD in the same way as ROOF is related to
  (1) WALL   (2) PILLAR
  (3) WINDOW (4) FLOOR

15. CRIME is related to POLICE in the same way as FLOOD is related to
  (1) RAIN   (2) RIVER
  (3) DAM
  (4) RESERVOIR

Directions (16–21) : In column 1 some words are given and in column 2 their codes are given but they are not arranged in same order as in column 1. Find out the code of the letters.

COLUMN 1	COLUMN 2
SOUND	a b i
ADDRESS	c j m v
CRUX	i k m o p
NET	i j k t v
CRONY	j k g o t v
CROWDY	b l o o p p v

16. What is the code for letter A?
  (1) b   (2) l
  (3) v   (4) g

17. What is the code for letter C?
  (1) j   (2) k
  (3) i   (4) t

18. What is the code for letter D?
  (1) k   (2) i
  (3) m   (4) o

19. What is the code for letter N?
  (1) a   (2) c
  (3) q   (4) i

20. What is the code for letter O?
  (1) i   (2) k
  (3) k   (4) p

21. What is the code for letter R?
  (1) o   (2) p
  (3) y   (4) I

22. In a certain code SUNDAY is written as YADNUS. How will CREATION be written ?
  (1) IONTEARC
  (2) INOTAERL
  (3) NOITAERC
  (4) ERCITANO

23. If TOMB is as MBOR, how can you code GOAL ?
  (1) ALOG   (2) ALOE
  (3) LAOG   (4) EALO

Directions (24–26) : Read the following information carefully and answer the questions given below :

P and Q are good at Volleyball and Hockey. R and P are good at Baseball and Hockey. S and Q are good at Volleyball and Cricket. R, S and T are good at Baseball and Football.

24. Who among these five players is good at four games ?
  (1) Q   (2) P
  (3) S   (4) R

25. Who is good at Hockey, Volleyball and Baseball ?
  (1) S   (2) P
  (3) Q   (4) R

26. Who is good at Hockey, Volleyball and Cricket ?
  (1) S   (2) P
  (3) Q   (4) R

27. IF CARPET is coded as TCEAPR, then the code for NATIONAL would be
(1) NLATNOIA
(2) LANOITAN
(3) LNAANTOI.
(4) LNOINTAA

28. If ORGANISM is coded as ROAGINMS, then the code for BOARDING would be
(1) RAOBIDGN
(2) OBRAGNID
(3) OBRAIDGN
(4) OBIDRAGN

Directions (29–32): Select the related word/letter/number from the given alternatives.

29. WEST : NORTH-EAST :: SOUTH : ?
(1) NORTH-WEST
(2) SOUTH-EAST
(3) NORTH   (4) EAST

30. OASIS : DESERT : : ? : SEA
(1) ISLAND
(2) PENINSULA
(3) BACKWATERS
(4) CLIFF

31. QPRS : TUWV :: JIKL : ?
(1) NMOP   (2) NMPO
(3) MNPO   (4) MNOP

32. 5 : 100, 4 : 64 :: 4 : 80, 3 : ?
(1) 26   (2) 48
(3) 60   (4) 54

33. DOCTOR is related to STETHOSCOPE in the same way as PAINTER is related to
(1) PAINTING (2) BRUSH
(3) EXHIBITION
(4) ART

34. HATE is related to LOVE in the same way as CREATE is related to
(1) MAKE
(2) RENOVATE
(3) DESTROY
(4) BUILD

35. SAILOR is related to SHIP in the same way as LAWYER is related to
(1) LEGAL   (2) LAW
(3) COURT   (4) RULING

36. A train travels at a speed of 50 km/hr for $2\frac{1}{2}$ hours and then travels at a speed of 70 km/hr for $1\frac{1}{2}$ hours. The average speed of the train in km/hr for the entire journey is
(1) 62.5   (2) 57.5
(3) 59.5   (4) 60

37. In a mixture of 60 litres, the ratio of acid and water is 2:1. If the ratio of acid and water is to be 1:2, then the amount of water (in litres) to be added to the mixture is
(1) 50   (2) 45
(3) 55   (4) 60

38. Average age of a five member family is 33 years. The smallest member is 9 years old. What was the average age of the family in years just before the birth of the smallest member?
(1) 30   (2) 29
(3) 25   (4) 24

39. In a college, 40% of the students get Group A, 75% of the rest of the students get Group B and remaining 12 students get Group C. Total number of the students is
(1) 100   (2) 60
(3) 80   (4) 92

40. Three numbers are in a ratio of 1 : 2 : 3. If 5 is added in each of them, new ratio is 2 : 3 : 4. What are these numbers?
(1) 10, 20, 30 (2) 15, 30, 45
(3) 1, 2, 3   (4) 5, 10, 15

41. A can do a work in 18 days and B can complete the same work in 15 days. B worked for 10 days and left. How many days will A take to complete the remaining work, working alone?
(1) 6   (2) $5\frac{1}{2}$
(3) 5   (4) 8

42. A shopkeeper suffers a loss of 15% on selling an item at Rs. 170. What will be the selling price in rupees, if he wants to earn a profit of 20% on it?
(1) ₹ 215.50 (2) ₹ 212.50
(3) ₹ 240   (4) ₹ 210

43. A rectangle has 20 cm as its length and 200 sq.cm. as its area. If area is increased by $\frac{6}{5}$ times the original area by increasing its length only, then the perimeter of the rectangle so formed (in cm) is
(1) 64   (2) 68
(3) 72   (4) 60

44. The value of $\sqrt{400} + \sqrt{0.04} - \sqrt{0.000004}$ is
(1) 20.188 (2) 20.022
(3) 20.22   (4) 20.198

45. A train crosses a platform in 30 seconds travelling with a speed of 60 km/hour. If the length of the train be 200 metres, then length of the platform (in metres) is
(1) 300   (2) 250
(3) 420   (4) 500

46. The perimeter of two squares is 68 cm and 60 cm. Find the perimeter of a third square whose area is equal to the difference of the areas of the two squares.
(1) 64 cm   (2) 60 cm
(3) 32 cm   (4) 8 cm

47. Last year my age was a perfect square number. Next year it will be a cubic number. My present age (in years) is
(1) 26   (2) 24
(3) 25   (4) 27

48. The ratio of 70 paise to 2 Rupees in simplest form is
(1) 35 : 1   (2) 7 : 2
(3) 7 : 10   (4) 7 : 20

49. If the radius of a circle is increased by 10%, then percentage of increase of its area is
(1) 17   (2) 21
(3) 12   (4) 15

50. 60% students of a school are girls. If the total number of girls in the school is 690, then the total number of students in the school is
(1) 1150
(2) 1100
(3) 1200
(4) 1050

51. Who rules the state in the event of declaration of emergency under Article 356 ?
(1) Prime Minister
(2) Chief Minister
(3) Governor
(4) Chief Justice of the State

52. Official language of Indian Union is
(1) Hindi in Devnagri script
(2) Hindi and English
(3) English
(4) Hindi, English and Urdu

53. "Satyameva Jayate" has been adopted from
(1) Mundak Upanishad
(2) Prashna Upanishad
(3) Taittiriya Upanishad
(4) Mandukya Upanishad

54. The Home Rule Movement in India was started by
(1) S.N. Banerji and W.C. Banerji
(2) Annie Besant and Tilak
(3) Mahatma Gandhi
(4) Gokhale

55. "Give me blood, I will give you freedom". Who said ?
(1) Khudiram Bose
(2) Bhagat Singh
(3) Subhash Chandra Bose
(4) Veer Savarkar

56. India's northern most latitude is
(1) 35 degree 6 minute North
(2) 37 degree 8 minute South
(3) 37 degree 6 minute North
(4) 8 degree 4 minute North

57. Africa is separated from Europe by
(1) Red Sea
(2) Mediterranean Sea
(3) Atlantic Ocean
(4) Persian Gulf

58. When ice melts, its
(1) volume increases
(2) volume decreases
(3) mass increases
(4) mass decreases

59. Deficiency of which Vitamin causes Rickets in children ?
(1) Vitamin A
(2) Vitamin B
(3) Vitamin C
(4) Vitamin D

60. Mushrooms are
(1) Algae
(2) Fungi
(3) Virus
(4) Bacteria

61. Which is associated with kidney disorder ?
(1) Ventilator
(2) Dialysis
(3) Pacemaker
(4) Baropacing

62. Naturally occurring heaviest element is
(1) Aluminium
(2) Iron
(3) Silicon
(4) Uranium

63. Which Governor General is associated with "Doctrine of Lapse" ?
(1) Lord Canning
(2) Lord Dalhosie
(3) Lord Cornawalis
(4) Lord Rippon

64. Acid rain is due to
(1) Water pollution
(2) Noise pollution
(3) Land pollution
(4) Air pollution

65. What is the percentage of Silver in "German Silver" ?
(1) 25%
(2) 0%
(3) 75%
(4) 80%

66. Who directed the film "Taare Zamin Par" ?
(1) Salman Khan
(2) Aamir Khan
(3) Sanjay Leela Bhansali
(4) Madhur Bhandarkar

67. Who among the following was the first Indian to receive Nobel Prize ?

68. Chairman of National Human Rights Commission should be
(2) V.S. Naipal
(3) Mother Teresa
(4) Rabindra Nath Tagore
(1) A Minister of Union Govt
(2) A retired Judge of High Court
(3) A Chief Minister of State
(4) A retired Chief Justice of India

69. Cyclone Helen affected
(1) Costal Andhra Pradesh
(2) Costal Odisha
(3) Costal Karnataka
(4) Costal Kerala

70. Nelson Mandela fought against
(1) Apartheid
(2) Communalism
(3) Foreign Rule
(4) All of the above

71. Narmada river originates from
(1) Bheraghat
(2) Amarkantak
(3) Dindauri
(4) Allahabad

72. Who killed Michael o'Dwyer for Jaliawala Bagh massacre?
(1) Bhagat Singh
(2) Chandra Shekhar Azad
(3) Udham Singh
(4) Khudiram Singh

73. Who has written "Test of My Life" ?
(1) Sachin Tendulkar
(2) M.S. Dhoni
(3) Yuvraj Singh
(4) Virat Kohli

74. Red colour of Ruby is due to the presence of
(1) Iron oxide
(2) Potassium permagnate
(3) Chromium oxide
(4) Copper sulphate

75. Who is known as Father of Indian Missile Technology ?
(1) Dr. U.R. Rao
(2) Dr. C.V. Raman
(3) Dr. A.P.J. Abdul Kalam
(4) Homi J. Bhabha

76. India and Sri Lanka are separated by
(1) Indian Ocean
(2) Palk Strait
(3) Arabian Sea
(4) Bay of Bengal

77. Which State has largest reserve of Copper ore ?
(1) Andhra Pradesh
(2) Chhattisgarh
(3) Jharkhand
(4) Rajasthan

78. Through which of the following state Tropic of Cancer does not pass ?
(1) U.P.   (2) M.P.
(3) Gujarat   (4) Jharkhand

79. Which of the following states has the largest area under forests ?
(1) M.P.   (2) Meghalaya
(3) Jharkhand   (4) Mizoram

80. Who is the Speaker of present Lok Sabha ?
(1) Manmohan Singh
(2) Meera Kumar
(3) Sonia Gandhi
(4) Sushma Swaraj

81. Who is Chairman of Planning Commission ?
(1) President
(2) Prime Minister
(3) Law Minister
(4) Finance Minister

82. Which State has made Rain Water Harvesting compulsory for all houses ?
(1) Rajasthan
(2) Maharashtra
(3) M.P.
(4) Tamil Nadu

83. Who is Lt. Governor of Delhi?
(1) Tejender Khanna
(2) Arvind Kejriwal
(3) H.L. Kapur (4) Najib Jang

84. Who among the following was the Chief Guest in Republic Day Celebration 2014 ?
(1) Jigme Singhe Wangchuk
(2) Mahesh Rajpakshe
(3) Kamla Prasad Bissesar
(4) Shinzo Abe

85. The number of chambers in a human heart is
(1) 4   (2) 2
(3) 3   (4) 5

86. A universal recipient belongs to the blood group
(1) AB   (2) O
(3) B   (4) A

87. The Vitamin that helps in blood clotting is
(1) Vitamin C   (2) Vitamin D
(3) Vitamin E   (4) Vitamin K

88. Army Day is celebrated on
(1) 12th January
(2) 15th January
(3) 15th February
(4) 15th December

89. Sound cannot pass through
(1) Water   (2) Steel
(3) Air   (4) Vacuum

90. Gas used in artificial ripening of fruits is
(1) Acetylene   (2) Methane
(3) Ethane   (4) Butane

91. Bhimsen Joshi is associated with
(1) Sarod   (2) Films
(3) Vocal Music
(4) Kathak

92. Age of the candidate to contest Parliamentary Election should not be less than
(1) 18 years   (2) 21 years
(3) 25 years   (4) 30 years

93. Who was Governor General during Revolt of 1857 ?
(1) Lord Dalhousie
(2) Lord Canning
(3) Lord Mayo
(4) Lord Rippon

94. Which Clan BUDDHA belonged to ?
(1) Gnarthika   (2) Maurya
(3) Sakya   (4) Kuru

95. Qila Rai Pithora was constructed by
(1) Jaichand
(2) Rai Ram Bahadur
(3) Prithviraj Chauhan
(4) Raja Pithoragarh

96. Who raised slogan "Inquilab Zindabad" first ?
(1) Lokmanya Tilak
(2) Veer Savarkar
(3) Chandrashekhar Azad
(4) Bhagat Singh

97. Who started Bhoodan Movement ?
(1) Mahatma Gandhi
(2) Jaya Prakash Narayan
(3) Vinobha Bhave
(4) Acharya Kriplani

98. Dance form Kathakali originated from
(1) Kerala
(2) Odisha
(3) Karnataka
(4) Tamil Nadu

99. Largest percentage of revenue is earned by Govt. of India from
(1) Customs duty
(2) Excise duty
(3) Income tax
(4) Wealth tax

100. Panama Canal joins which two oceans ?
(1) Pacific and Atlantic
(2) Atantic and Indian
(3) Indian and Pacific
(4) Atlantic and North Sea