

Arithmetic

1. A person invests Rs. 500 at 10% simple interest. He withdraws the entire sum after five years. What is the amount that he would get?
 - a) Rs. 500
 - b) Rs. 600
 - c) Rs. 700
 - d) Rs. 750

2. A man walks 10 km towards north. From there he walks 6 km towards south. Then he walks 3 km towards east. How far and in which direction is he with reference to his starting point?
 - a) 7 km east
 - b) 5 km west
 - c) 5 km north-east
 - d) None of these

3. A, B and C together can do a work in 12 days. A alone can do the work in 36 days and B alone can do the same in 54 days. C alone can do it in:
 - a) 9 days
 - b) 18 days
 - c) 24 days
 - d) 27 days

4. A tricycle was sold for Rs. 873 at a loss of 3%. Its cost price is:
 - a) Rs. 846.81
 - b) Rs. 899.19
 - c) Rs. 927
 - d) Rs. 900

5. A man is thrice as old as his son. Three years ago the man was 4 times as old as his son. Find their present age.
 - a) 27, 9
 - b) 30, 10
 - c) 24, 6
 - d) 33, 11

6. The sides of a triangle are in the ratio 1 : 3 : 5. Its perimeter is 90 cm., the length of its largest side is:
 - a) 40 cm
 - b) 48 cm
 - c) 50 cm
 - d) 54 cm

7. The sum of two integers is -25. If one of them is 30, then the other is:
 - a) 55
 - b) 5
 - c) -55
 - d) None of these

8. The smallest of the fractions $\frac{3}{4}, \frac{5}{6}, \frac{7}{12}, \frac{2}{3}$ is
 - a) $\frac{2}{3}$
 - b) $\frac{3}{4}$
 - c) $\frac{5}{6}$
 - d) $\frac{7}{12}$

9. 2m 5cm is equal to:
 - a) 2.5 m
 - b) 2.05 m
 - c) 2.005 m
 - d) 0.25 m

10. If 10 be added to four times a number, the result is 5 less than five times the number. The number is:
 - a) 15
 - b) 20
 - c) 25
 - d) 35

11. The ratio 115 : 138 in its simplest form is:
 - a) 2 : 3
 - b) 3 : 4
 - c) 1 : 2
 - d) 5 : 6

12. The sum of two odd numbers is:
 - a) an odd number
 - b) an even number
 - c) sometimes odd sometimes even
 - d) can't be ascertained

13. Rishab asked his Grandfather how old he was. Rather than giving him a straight answer, he replied: "I have 6 children, and there are 4 years between each one and the next. I had my first child (your Uncle Ravi) when I was 29. Now the youngest one (your Auntie Ramita) is 29 herself. That's all I'm telling you!" How old is Rishab's grandfather?

- a) 76
- b) 78
- c) 82
- d) 86

14. What least number must be added to 1056, to get a number exactly divisible by 23?

- a) 25
- b) 38
- c) 2
- d) 12

15. Find the largest 3 digit number divisible by 16?

- a) 982
- b) 992
- c) 988
- d) 912

16. The cost of ploughing a field at Rs. 3 per m^2 is Rs. 624. If the breadth of the field is 13m then its length is:

- a) 8 m
- b) 16 m
- c) 39 m
- d) 32 m

17. Two natural numbers whose sum is 85 and the least common multiple is 102, is:

- a) 35 and 50
- b) 34 and 51
- c) 17 and 68
- d) 30 and 55

18. A gardener wants to plant 66 apple trees, 88 banana trees and 110 mango trees in rows with equal number of trees and with each row having only one kind of tree. The least number of rows required is:

- a) 6
- b) 8

- c) 10
- d) 12

19. The least number divisible by all numbers from 1 to 10, both inclusive, is:

- a) 5040
- b) 504
- c) 252
- d) 2520

20. A, B and C can complete a job in 10 days while working together. If D joins them, the job is completed in 8 days. In how many days can D complete the job, if working alone?

- a) 30
- b) 40
- c) 50
- d) 60

21. The least number which should be added to 2497, so that the sum is exactly divisible by 5, 6, 4 and 3 is:

- a) 13
- b) 23
- c) 33
- d) 43

22. What decimal of an hour is a second ?

- a) .0025
- b) .0256
- c) .00027
- d) .000126

23. An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in 2 hours, it must travel at a speed of:

- a) 300 kmph
- b) 360 kmph
- c) 600 kmph
- d) 720 kmph

24. A motorboat, whose speed in 15 km/hr in still water, goes 30 km downstream and comes back to starting point in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is:

- a) 4
- b) 5
- c) 6
- d) 10

25. Find the ratio in which rice at Rs. 7.20 a kg be mixed with rice at Rs. 5.70 a kg to produce a mixture worth Rs. 6.30 a kg.

- a) 1 : 3
- b) 2 : 3
- c) 3 : 4
- d) 4 : 5

26. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- a) 6.25
- b) 6.5
- c) 6.75
- d) 7

27. The price of 2 sarees and 4 shirts is Rs. 1600. With the same money, one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay?

- a) Rs. 1200
- b) Rs. 2400
- c) Rs. 4800
- d) Cannot be determined

28. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- a) 39, 30
- b) 41, 32
- c) 42, 33
- d) 43, 34

29. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

- a) Rs. 7500
- b) Rs. 8000
- c) Rs. 8500
- d) Rs. 9000

30. In a family, the father took $\frac{1}{4}$ of the cake and the rest of cake was distributed

equally among rest of family members. Still the father had 3 times as much as each of the other members had. Then, the total number of family members is:

- a) 3
- b) 7
- c) 10
- d) 12

Computer and Internet Awareness

31. If a previously saved file is edited

- a) The changes will automatically be saved in the file
- b) The file will only have to be saved again, if it is more than one page in length
- c) Its name must be changed
- d) The file must be saved again to store the changes

32. Which power point view displays each slide of the presentation as a thumbnail and is useful for rearranging slides?

- a) Slide Sorter
- b) Slide show
- c) Slide master
- d) Notes Page

33. What is the main folder on a storage device called?

- a) Root directory
- b) Interface
- c) Device driver
- d) Platform

34. The word wrap feature -

- a) Automatically moves the text to next line when necessary
- b) Appears at the bottom of the document
- c) Allows you to type over text
- d) Is the short horizontal line indicating the end of the document

Data Interpretation

Directions for Questions 41 to 45 :

The Table below mentions the marks obtained by four students of a class in five subjects. The total marks in each of the five subjects is 50 and a student has to obtain at least 35% marks in each of the subjects to pass. Study the Table carefully and answer the questions that follow.

Student/Subjects	Maths	Odia	Social Studies	Science	English
Hema	26	29	35	42	31
Rekha	18	36	29	31	26
Jaya	25	26	29	16	43
Sushma	33	41	38	21	25

35. A process known as _____ is used by large retailers to study trends.

- a) POS
- b) Data Conversion
- c) Data Mining
- d) Data Selection

36. Personal logs or journal entries posted on the Web are known as :

- a) Listservs
- b) Webcasts
- c) Blogs
- d) subject directories

37. You must install a _____ on a network if you want to share a broadband Internet connection.

- a) router
- b) modem
- c) node
- d) cable

38. Which among the following protocol, allows files to be transferred from one computer to another computer?

- a) TCP/IP
- b) FTP
- c) HTTP
- d) None

39. The server on the internet is also known as:

- a) Repeater
- b) Host
- c) Gateway
- d) AND Gate

40. Website is a collection of:

- a) HTML documents
- b) Graphic files
- c) Audio and Video files
- d) All of the above

41. Who among them scored the highest marks?

- a) Hema
- b) Rekha
- c) Jaya
- d) Sushma

42. Who among them failed the test?

- a) Hema
- b) Rekha
- c) Jaya
- d) Sushma

43. What percentage of marks did Rekha get?

- a) 65.2 %
- b) 56 %
- c) 55.6 %
- d) 63.2 %

44. What is the average of total marks obtained by the four students?

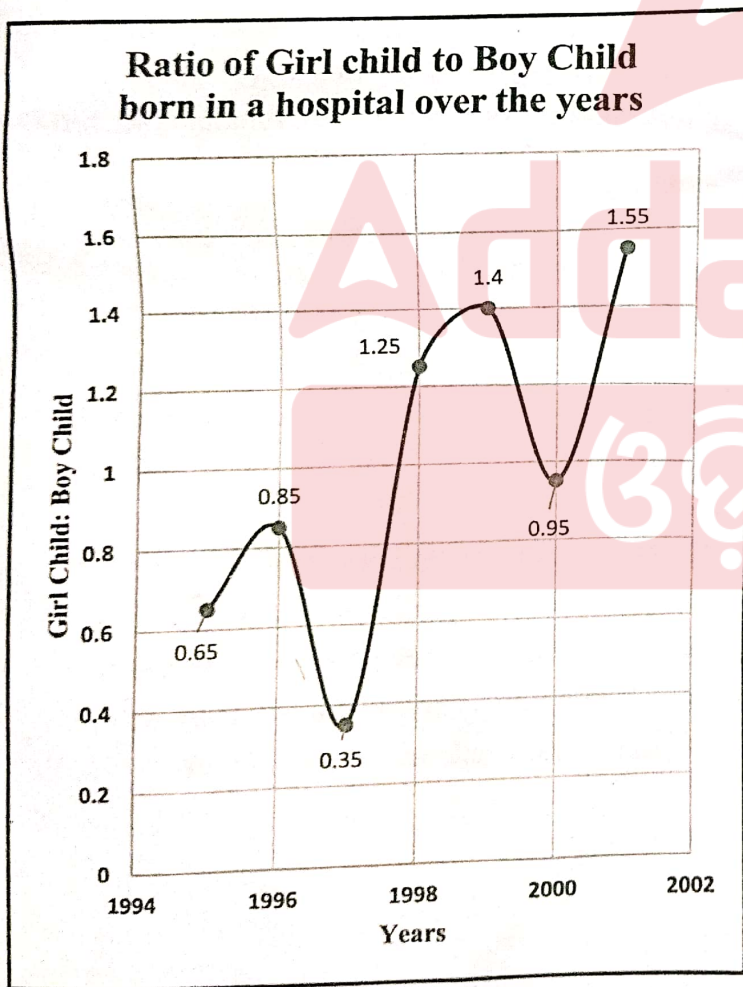
- a) 145
- b) 155
- c) 160
- d) 150

45. The ratio of total marks obtained by Rekha and Sushma is:

- a) 70 : 73
- b) 69 : 79
- c) 70 : 79
- d) 70 : 71

Directions for Questions 46 to 50:

The Line graph below shows the ratio of total number of Girl Child to Boy Child born in an hospital over the years. Study the graph carefully and answer the questions that follow.



46. If the number of Girl child born in 1998 was 250 and the total number of Boy child born in the years 1998 and 1999 together was 500, then the number of Girl child born in 1999 was _____?

- a) 250
- b) 300
- c) 357
- d) 420

47. The number of Girl child born were minimum proportionate to number of Boy child born in the year _____?

- a) 1995
- b) 1996
- c) 1997
- d) 2000

48. What was the percentage increase in the number of Girl child from 1997 to 1998?

- a) 72
- b) 56
- c) 28
- d) Data Inadequate

49. If the number of Girl child born in 1996 was 272, then, the number of Boy child born in 1996 was _____?

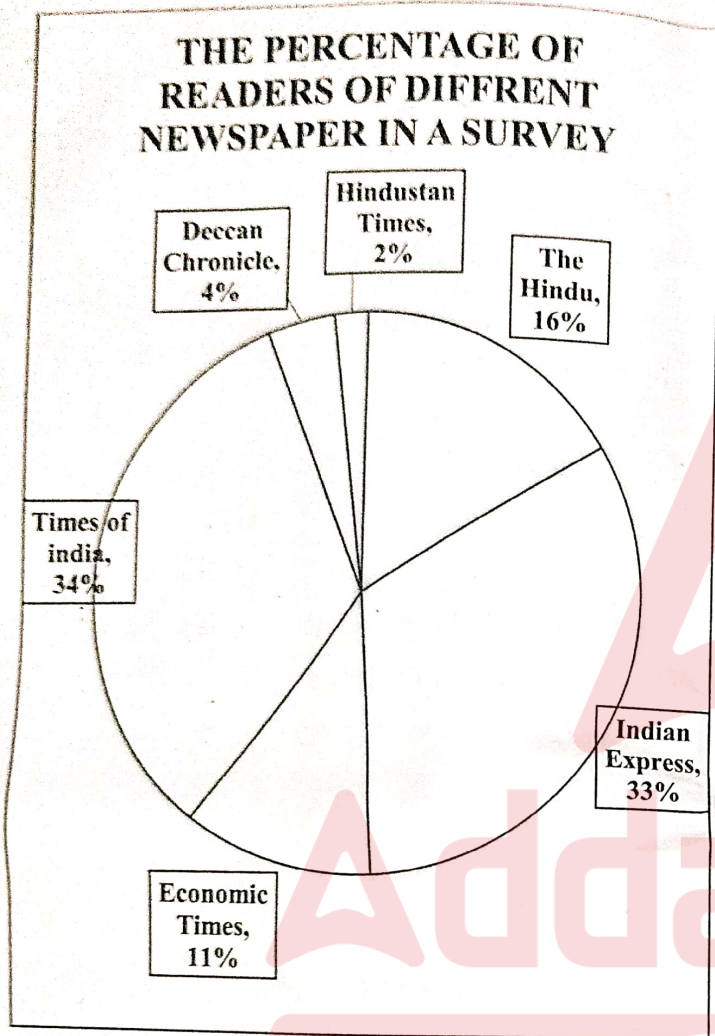
- a) 370
- b) 320
- c) 280
- d) 275

50. In how many of the given years were the number of Boy child born more than the number of Girl child born?

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

Direction for questions 51 to 55:

The Pie chart below shows the result of a survey about the percentage of readers of different newspapers. Analyse the Pie chart carefully and answer the questions that follow.



51. In the Times of India sector, approximately how many degrees should be there in the central angle?

- a) 120°
- b) 121°
- c) 122°
- d) 123°

52. If the reader of Economic Times is 4,000 in number, then the total number of readers of Indian Express and Times of India taken together would be:

- a) 24,000
- b) 24,363
- c) 25,423

d) 25,643

53. What percentage of the total readers prefer Indian Express or Economic Times?

- a) 33%
- b) 11%
- c) 44%
- d) 22%

54. If the total number of readers except for Times of India and Indian Express is 335,000, then the total number of readers for Economic Times and The Hindu will (approximately) be?

- a) 274,100
- b) 285,600
- c) 293,000
- d) Cannot be determined

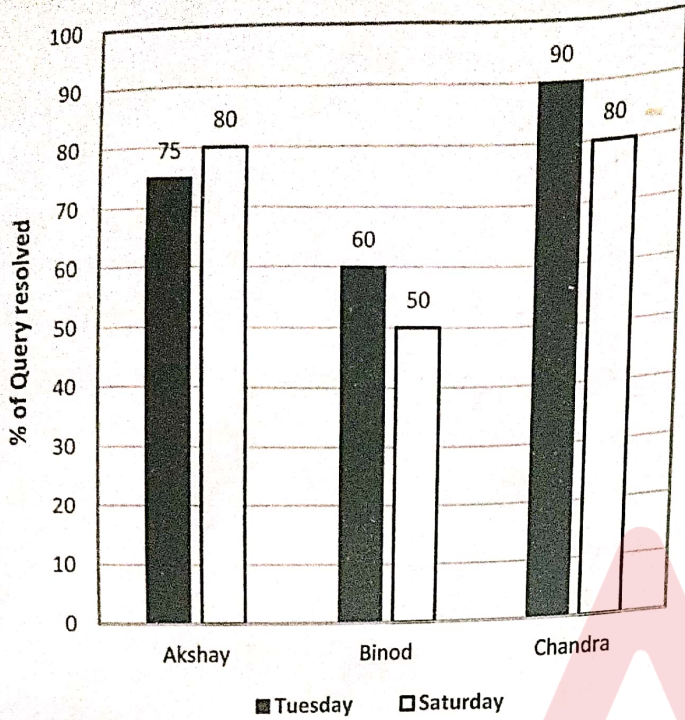
55. If the number of readers of Indian Express were to double in the next year and the readers of all other newspapers would remain constant at their existing levels for this year, then what would be the proportion of readers of Indian Express out of the total number of readers next year (in Percentage)?

- a) 40%
- b) 50%
- c) 60%
- d) 70%

Direction for Questions 56 to 60:

The given Bar Graph shows the percentage of query resolved by three people Akshay, Binod and Chandra on Tuesday and Saturday with respect to total calls received by them.

Percentage of Query resolved by three people at a Call Centre



56. The number of queries resolved by both Akshay and Chandra on Saturday is 540. What could be the maximum number of calls that were not resolved by Akshay on Saturday?

- a) 134
- b) 140
- c) 120
- d) 150

57. Number of queries resolved by Binod on Tuesday is 270 and call received by him is 25% more than the query resolved by Akshay on that day. Find the number of call received by Akshay on Tuesday.

- a) 400
- b) 480
- c) 460
- d) 360

58. If calls from Tuesday to Saturday for both Binod and Chandra increased by 20% and

average number of queries resolved by them on Saturday is 45 more than that of Tuesday. Then, the difference between the call received by Chandra on Saturday and on Tuesday is:

- a) 260
- b) 175
- c) 300
- d) 240

59. What is the ratio of calls received by Akshay, Binod and Chandra on Saturday, If the number of queries resolved by them is in the ratio 3:4:2?

- a) 12:33:19
- b) 10:35:12
- c) 14:32:11
- d) 15:32:10

60. If query resolved by Chandra on Tuesday is 60% of the query resolved by her on Saturday. Query resolved by Akshay on Saturday is equal to the sum of the query resolved by Chandra on both days. Then, call received by Akshay on Saturday is more than that of Chandra on Tuesday by what percent?

- a) 100%
- b) 200%
- c) 250%
- d) 300%

$$90 = \frac{60}{100} \times 150$$

Logical Reasoning

Direction for Questions 61 to 62:

Five Typists – Ipsita, Jyoti, Kavita, Latika and Malati type at different speeds. Ipsita types faster than Latika but slower than Jyoti. Malati types slower than Latika, but is not the slowest. The one who types second fastest, types at the speed of 75 words per minute. The one who types the second slowest, types at the speed of 50 words per minute.

61. How many persons type slower than Ipsita?

- a) one
- b) two
- c) three
- d) four

62. Which of the following statements is true?

- a) Jyoti is the fastest Typist
- b) Kavita types faster than Latika
- c) No statement is true
- d) Ipsita types at the rate of 50 words/minute

Direction for questions 63 to 67:

There are seven lecturers A, B, C, D, E, F and G and they are teaching seven different subjects Physics, Economics, Geography, Biology, Chemistry, Maths and History. Their annual salary is divided into three salary slabs, 3-5 lakh, 6-8 lakh & 10-13 lakh. Their Salaries in Lakhs are in whole numbers only and no two persons have same salary. There are three person only in the salary slab of 10-13 lakhs. F earns 12 lakh. B and G earn lower than F's salary in the same salary slab. D earns more than only one person who teaches Economics. The person who teaches Chemistry earns more than the one who teaches Geography and their total annual income is 15 lakh per annum in the same slab. There are two persons only in the salary slab of 3-5 lakhs. The person who teaches History earns lower than F and higher than the one who teaches Biology in the same slab. F does not teach Physics. The total annual income of G & A and B & E are 17 lakh and 19 lakh respectively. The difference between the annual income of D and C is 2 lakh.

63. As per the given arrangement, F is related to Biology and G is related to Geography in a certain way. To which of the following is A related to the same way?

- a) Maths
- b) History
- c) Physics
- d) Economics

64. What is the difference between the annual income of the one who teaches Biology and the one who teaches Physics.

- a) 4 lakh
- b) 6 lakh
- c) 5 lakh
- d) 3 lakh

65. Which combination represents the annual income of a person and the subject he teaches?

- a) 7- Chemistry
- b) 3-Economics
- c) 10-History
- d) 11-Biology

66. Who among the following earns double of D's annual income?

- a) E
- b) G
- c) C
- d) A

67. Who among the following teaches Physics?

- a) D
- b) G
- c) A
- d) B

68. Look at the series, 46, 44, 40, 38, 34, __, which number should come next?

- a) 30
- b) 36
- c) 32
- d) 31

69. In the series RQP, ONM, _____, IHG, FED, find the missing letters.

- a) CDE
- b) LKI
- c) LKJ
- d) BAC

70. A thermometer is to temperature as a compass is to

- a) Pressure
- b) Humidity
- c) Direction
- d) Needle

71. Pointing to a photograph, a man said, "I have no brother, and that man's father is my father's son." Whose photograph was it?

- a) His son
- b) His own
- c) His father
- d) His nephew

72. Arrange the following words in a meaningful sequence.

1. Arrest
2. Punishment
3. Prison
4. Crime
5. Judgment

- a) 4, 1, 5, 2, 3
- b) 4, 1, 5, 3, 2
- c) 4, 5, 2, 1, 3
- d) 4, 5, 2, 3, 1

73. Mukesh walks 6 km toward the South and then walks 3 km to his left. Finally, he turns to his right and walks 6 km. In which direction is he from the starting point?

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

74. If in a certain language, NOIDA is coded as OPJEB, how is DELHI coded in that language?

- a) CDKGH
- b) EFMIJ
- c) FGNJK
- d) IHLED

75. You have to select one word that is the necessary part of the underlined word. Shoe

- a) Leather
- b) Sole
- c) Laces
- d) Socks

76. Read the following statements:

- I. Pooja is older than Mukesh.
- II. Suresh is older than Pooja.
- III. Mukesh is older than Suresh.

If the first two statements are true, then the third statement is:

- a) False
- b) True
- c) Uncertain
- d) None of these

77. A college's science department wants to appoint a new chairperson, based on seniority. Mr. Verma has less seniority than Mr. Tomar, but more than Mrs. Bakshi. Mr. Rawat has more seniority than Mr. Verma, but less than Mr. Tomar. Mr. Tomar doesn't want the job. Who will be the new science department chairperson?

- a) Mr. Rawat
- b) Mr. Tomar
- c) Mr. Verma
- d) Mrs. Bakshi

78. In Arun's opinion, his weight is greater than 65 kg but less than 72 kg. His brother doesn't agree with Arun and he thinks that Arun's weight is greater than 60 kg but less than 70 kg. His mother's view is that his weight cannot be greater than 68 kg. If all are correct in their estimation, what is the average of different probable weights of Arun?

- a) 67 kg
- b) 68 kg

- c) 69 kg
- d) Data inadequate

79. A, B, C, D, E, and F are sitting in a row. E and F are in the center. A and B are at the ends. C is sitting to the left of A. Who is to the right of B?

- a) D
- b) C
- c) A
- d) F

80. In a family, there are husband-wife, two sons and two daughters. All the ladies went to an invited dinner. Both sons went out to play. Husband did not return from the office. Who was at home?

- a) Only wife was at home
- b) Nobody was at home
- c) Only sons were at home
- d) All ladies were at home

General Studies

81. What is the correct chronological order of the following events?

- A. Non-cooperation movement
- B. Quit India Movement
- C. Royal Indian Navy Mutiny
- D. Civil Disobedience Movement

- a) A B C D
- b) A D B C
- c) C D B A
- d) D A B C

82. In which year did Odisha become a separate State /Province?

- a) 1940
- b) 1936
- c) 1937
- d) 1935

83. In 1860s one third population of Odisha perished during a famine. Which year did this famine occur?

- a) 1862
- b) 1864
- c) 1866
- d) 1868

84. Who said "Swaraj is my birth right"?

- a) Bal Gangadhar Tilak
- b) Gopal Krishna Gokhale
- c) Mahatma Gandhi
- d) Lala Lajpat Roy

85. Which among the following is a UNESCO world heritage site?

- a) Lingaraj Temple
- b) Khandagiri Caves
- c) Konark Temple
- d) Dhauli Stupa

86. With which of the following States, Odisha does not share any land boundary?

- a) Madhya Pradesh
- b) Andhra Pradesh
- c) West Bengal
- d) Chhatisgarh

87. Which among following rivers does not originate in Odisha?

- a) Rushikulya
- b) Mahanadi
- c) Budhabalanga
- d) Baitarani

88. Which among the following lakes is not a freshwater lake?

- a) Chilika lake
- b) Anshupa lake
- c) Tampara lake
- d) Kanjia lake

89. What is the duration of Panchayats (unless dissolved earlier) as per Constitution ?

- a) 3 year
- b) 4 year

- c) 5 year
- d) 6 year

- b) 147
- c) 157
- d) 145

90. Reservation for which of the following category in Panchayats / Municipalities is not prescribed in Constitution?

- a) SC
- b) ST
- c) OBC
- d) Women

91. India follows:

- a) Parliamentary system
- b) Presidential system
- c) Monarchical system
- d) None of the above

92. What is the term of the office of President of India?

- a) Four years
- b) Five years
- c) Six years
- d) Three years.

93. Article 14 to 18 of Constitution of India deals with:

- a) Right to equality
- b) Right to freedom
- c) Directive principle of state policy
- d) Fundamental duties

94. Seventh schedule of Constitution deals with:

- a) Union, State and Concurrent lists
- b) Languages
- c) Powers, authority and responsibility of Panchayats
- d) Powers, authority and responsibility of Municipalities

95. Odisha Legislative Assembly comprises of how many members?

- a) 137

96. India is _____ largest economy of the world measured in current dollars.

- a) 3rd
- b) 4th
- c) 5th
- d) 6th

97. What is the largest export from Odisha in value terms?

- a) Metallurgical
- b) Engineering, Chemical and Allied
- c) Minerals
- d) Marine

98. During 1850-2019, what percent of cumulative global emissions has India contributed?

- a) 3%
- b) 4%
- c) 5%
- d) 7%

99. Which Indian state has the maximum carbon stock in forest?

- a) Madhya Pradesh
- b) Arunachal Pradesh
- c) Jammu & Kashmir
- d) Himachal Pradesh

100. What was the share of Odisha in production of chromite in India during the year 2021-22?

- a) 70%
- b) 80%
- c) 90%
- d) 100%