

Do not open the Seal of the Question Booklet until you are asked to

Question Booklet Code:

A

Question Booklet Series No:

220317

Time Allowed: 1 Hour 30 Minutes

Total Questions: 100

Maximum Marks: 100

There shall be negative marking @ 0.25 marks per question for wrong/multiple answers

Before answering any question, check the booklet that it contains 16 pages and no page is missing, mutilated or repeated. In case of defect, get it replaced immediately.

INSTRUCTIONS FOR CANDIDATES

1. Fill in the OMR answer sheet, mentioning the Roll No. and other data as required in the place(s) indicated therein. Darken the appropriate circles in blue or black ball point pen only. Do not write any name / surname or put any symbol, sign, slogan, prayer or any mark of identification in the OMR answer sheet. Do not tamper with the bar-code or any other portion of the OMR answer sheet. Any such act is liable to render the answer sheet unfit for evaluation.
2. Correcting fluid, eraser, blade, books, textual material, script notes / loose paper, calculator, document, slide rules, log tables / electronic watches, smart watch, cell phone, pager, other electrical/ electronic devices etc, are not allowed inside the examination hall. In case the candidate is found to be in possession of any of the above, he / she shall be expelled from the examination without any enquiry as to whether the same was / were used by the candidate or not.
3. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you is incomplete or different from what you have given in the application form, you shall be awarded Zero mark.
4. Answer must be given by completely darkening one of the four circles / ovals representing the most appropriate answer given on the Answer Sheet corresponding to the relevant question. For answers not shown by properly darkening in black / blue ball point pen, no marks shall be awarded.
5. No Rough work should be done on the OMR Answer Sheet, Space for rough work has been provided in the Question Booklet itself.
6. After the examination is over, candidates must ensure to fold the OMR Answer Sheet at the perforation and separate the Original Copy and Candidate's Copy of the Two Part OMR Answer Sheet in the presence of the Invigilator and handover the Original Copy to the Invigilator. The Candidate's Copy of the OMR Answer sheet may be taken by the candidate. Failure to hand over the original copy of the OMR Answer Sheet to the Invigilator before leaving the examination hall / room shall make the candidate liable for penal action.
7. Candidates may take with them the respective question-booklet after the examination is over.
8. Failure to comply with or violation of any of the above instructions shall be considered as adopting unfair means and action as deemed proper shall be taken.

Data Interpretation

Directions for Questions 1 to 5 :

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.

Marks of four Students of a Class in an Unit Test

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

1. Who among them scored the highest marks?

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

2. Who among them failed the test?

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

3. What percentage of marks did Rekha get?

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

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

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

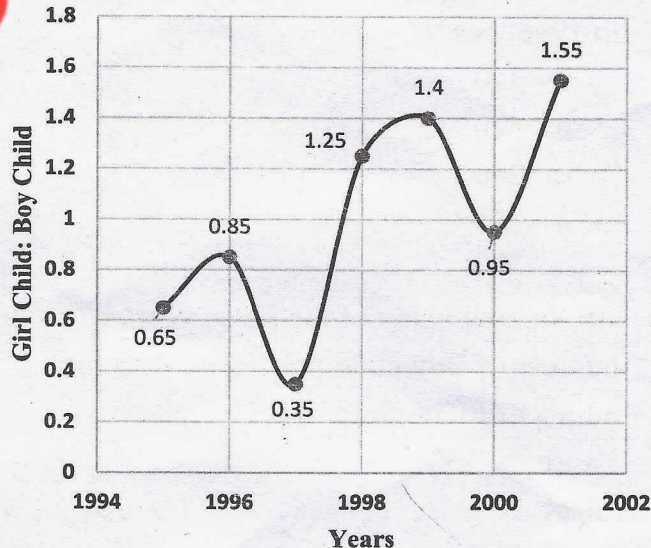
5. The ratio of total marks obtained by Rekha and Sushma is:

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

Directions for Questions 6 to 10:

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.

Ratio of Girl child to Boy Child born in a hospital over the years



6. 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

7. 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

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

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

9. 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

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

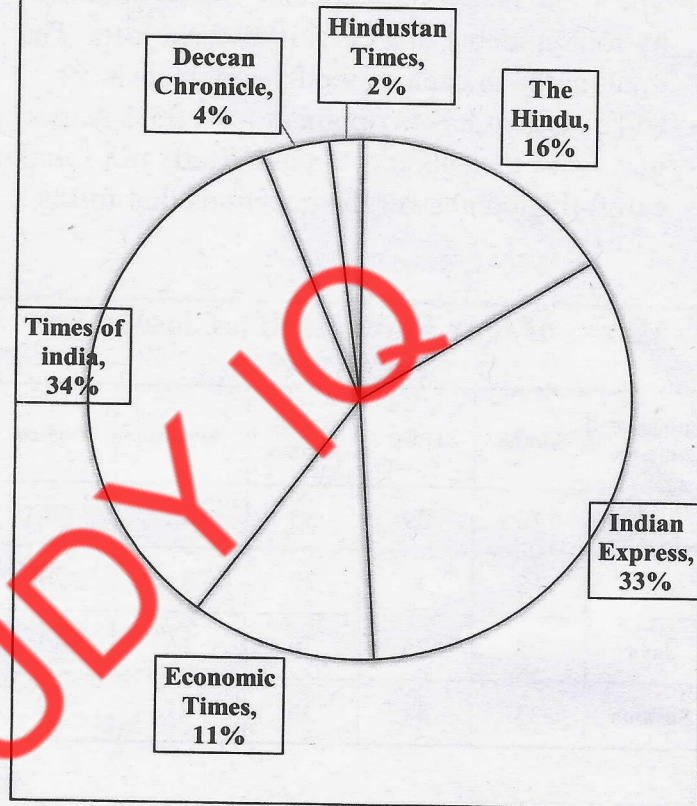
- a) 1
- b) 2
- c) 3
- d) 4

Direction for questions 11 to 15:

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.

THE PERCENTAGE OF READERS OF DIFFERENT NEWSPAPER IN A SURVEY



11. 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°

12. 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

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

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

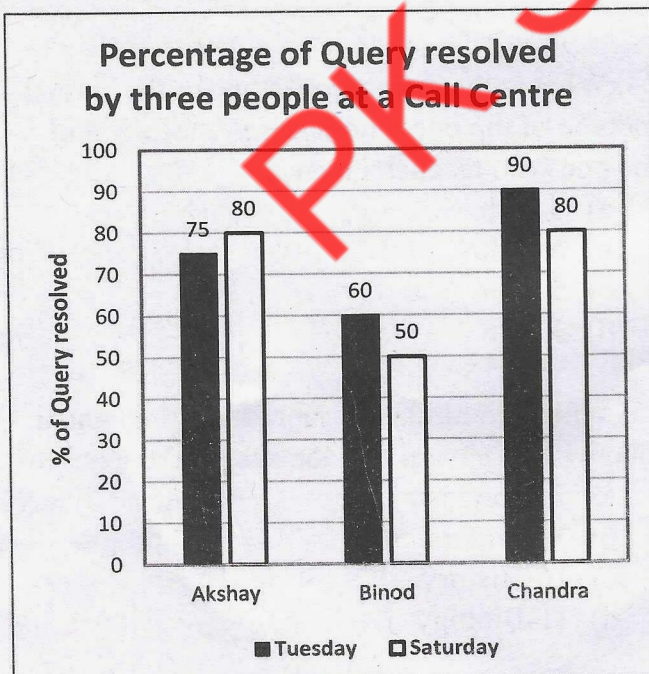
14. If the total number of readers except for Times of India and Indian Express is 335,000 ,then the total number of readers for Economic Times and The Hindu will (approximately) be?

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

15. 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 16 to 20:



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.

16. 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

17. 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

18. 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

19. 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

20. 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%

Logical Reasoning

Direction for Questions 21 to 22:

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.

21. How many persons type slower than Ipsita?

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

22. 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 23 to 27:

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.

23. 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

24. 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

25. 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

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

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

27. Who among the following teaches Physics?

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

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

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

29. In the series RQP, ONM, ____, IHG, FED, find the missing letters.

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

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

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

31. 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

32. 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

33. 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

34. 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

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

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

36. 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

37. 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

38. 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

39. 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

40. In a family, there are husband-wife, two sons and two daughters. All the ladies went to a 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

41. 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

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

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

43. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

51. India follows:

- a) Parliamentary system

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

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

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

53. 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

54. 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

55. Odisha Legislative Assembly comprises of how many members?

- a) 137
- b) 147
- c) 157
- d) 145

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

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

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

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

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

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

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

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

60. 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%

Arithmetic

61. 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

62. 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

63. 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

64. 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

65. 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

66. 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

67. 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

68. 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) $\frac{7}{12}$

69. 2m 5cm is equal to:

- a) 2.5 m
- b) 2.05 m
- c) 2.005 m
- d) 0.25 m

70. 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

71. The ratio 115 : 138 in its simplest form is:

- a) 2 : 3
- b) 3 : 4
- c) 1 : 2
- d) 5 : 6

72. 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

73. 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

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

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

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

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

76. 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

77. 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

78. 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

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

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

80. 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

81. 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

82. What decimal of an hour is a second ?

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

83. 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

84. 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

85. 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

86. 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

87. 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

88. Two students appeared in 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

89. 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

90. 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

91. 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
92. 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
93. What is the main folder on a storage device called ?
- a) Root directory
 - b) Interface
 - c) Device driver
 - d) Platform
94. 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
95. A process known as _____ is used by large retailers to study trends.
- a) POS
 - b) Data Conversion
 - c) Data Mining
 - d) Data Selection
96. Personal logs or journal entries posted on the Web are known as :
- a) Listservs
 - b) Webcasts
 - c) Blogs
 - d) subject directories
97. You must install a _____ on a network if you want to share a broadband Internet connection.
- a) router
 - b) modem
 - c) node
 - d) cable
98. 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
99. The server on the internet is also known as:
- a) Repeater
 - b) Host
 - c) Gateway
 - d) AND Gate
100. Website is a collection of:
- a) HTML documents
 - b) Graphic files
 - c) Audio and Video files
 - d) All of the above

Space For Rough Work

PK STUDY IQ