



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

RRB Group D 2018 Previous Year Paper (26-Sep-2018) (Shift 3)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	CBT	100	100	0.33	1

- 1.) A total of 90 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

Your Personal Exams Guide

CBT

1. When sodium sulphate solution is mixed with barium chloride solution, then (+1, -0.33)

- a. there is no reaction
- b. sulfur dioxide is formed
- c. barium chloride is formed
- d. barium sulfate is formed

2. $52 \div [36 - \{24 - (32 - 54 \div 9 \times 3)\}] = ?$ (+1, -0.33)

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

3. What are the special features of the following group of elements? (+1, -0.33)

- 1. All these elements are metals
- 2. All these elements react with water to form hydrogen gas
- 3. All these elements have a valency 1

- a. Halogen group
- b. Alkali metal group
- c. Alkaline earth metal group

d. Alkali Metals and Halogen Groups

4. Janki and Mansi, working separately, can paint a wall in 45 and 72 days respectively. They started working together but Janki left the work 33 days before the completion of the work. In total, how many days did it take to complete the work? (+1, -0.33)

- a. 49
 - b. 48
 - c. 46
 - d. 47
-

5. Which of the following novels by Salman Rushdie was released in 2017? (+1, -0.33)

- a. The Golden House
 - b. The sellout
 - c. The Satanic Verses
 - d. Midnight children
-

6. Find the next number in the following series? (+1, -0.33)

10, 30, 29, 49, _____

- a. 36
- b. 48
- c. 37

d. 35

7. Find the next number in the following series?

(+1, -0.33)

320, 290, 260, _ _ _ _ _

- a. 190
- b. 230
- c. 170
- d. 200

8. Identify the odd one out:

(+1, -0.33)



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

9. In a real sense, free fall only occurs in:

(+1, -0.33)

- a. Sea
- b. Vacuum

- c. Wind
- d. Atmosphere

10. $(-7)[60 \div \{6 - (-4)\}] \div [(-2)\{19 - (-2) \times (-6)\}] = ?$ (+1, -0.33)

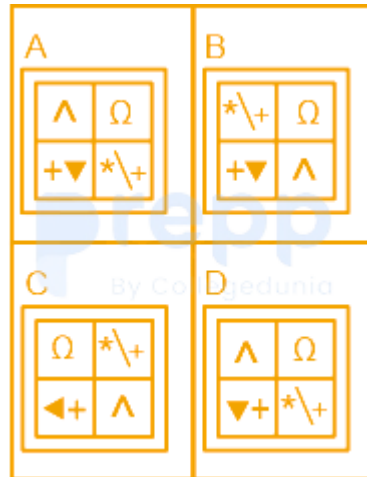
- a. 0
- b. 2
- c. 1
- d. 3

11. In a circuit resistors are connected in series, the value of current through the circuit is: (+1, -0.33)

- a. remains the same
- b. increases
- c. decreases
- d. becomes half

12. Study the pattern of the following figures and decide which figure will be the next one. (+1, -0.33)





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

13. Which the first film made in the dialect of Himachal has gained international recognition for the first time, winning the Best Feature Film award at the International Borrego Springs Film Festival in California, USA in the year 2017? (+1, -0.33)

- a. Saaransh
- b. Samjhauta
- c. Samay
- d. Saanjh

14. Which of the following is India's indigenously designed and developed long-range subsonic cruise missile? (+1, -0.33)

- a. Helena
- b. Pinaka
- c. Naag
- d. Nirbhay

15. Who was honored with the Dadasaheb Phalke Award for the year 2016? (+1, -0.33)

- a. K.J. Yesudas
- b. S.S. Rajamouli
- c. K. Vishwanath
- d. K. Bala Chander

16. The following statement is followed by two arguments. You have to decide which of the arguments are strong with respect to the statement. (+1, -0.33)

Question:

Is there any solution to avoid noise pollution in urban areas?

Argument:

I. Yes, residential areas should be separated from commercial areas such as hotels, restaurants and wedding halls.

II. No, it is part and parcel of urbanization, we cannot escape it.

- a. Arguments I and II both are strong
- b. Only argument I is strong

- c. Only argument II is strong
- d. Neither argument I nor argument II is strong

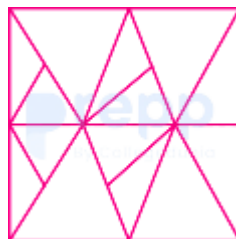
17. The mean score of a group of 12 members was 10 while the mean score of another group with n members was 12. If the combined average of both is 11.2 then what was the value of n ? (+1, -0.33)

- a. 18
- b. 30
- c. 16
- d. 24

18. Sharda is the granddaughter of Surya and Kiran is the only son of Surya, then how is Sharda related to Kiran? (+1, -0.33)

- a. Aunt
- b. Daughter
- c. Mother
- d. Cousin Sister

19. How many triangles are there in this figure? (+1, -0.33)



- a. 19
 - b. 17
 - c. 18
 - d. 20
-

20. _____ is essential for the synthesis of thyroxine. (+1, -0.33)

- a. Iron
 - b. Iodine
 - c. Sodium
 - d. Calcium
-

21. What is the full form of FICCI? (+1, -0.33)

- a. Federal Indian Chamber of Commerce
 - b. Federation of Indian Chamber of Commerce and Industry
 - c. Free India Chamber of Commerce International
 - d. Federation of Indian Committee for Conciliation India
-

22. Mendel's laws apply only when: (+1, -0.33)

- a. Parents are pure breeding
- b. Parent is codominant

- c. Characters are recessive
 - d. Characters are linked
-

23. _____ softens the bone surface at the joint. (+1, -0.33)

- a. Cartilage
 - b. Areolar
 - c. Tendon
 - d. Bondage
-

24. Calcium sulfate hemihydrate is also known as: (+1, -0.33)

- a. Baking powder
 - b. Baking soda
 - c. Washing soda
 - d. Plaster of Paris
-

25. $(12 - 1)$ of $(16 + 15) \times (119 + 113 - 16) = ?$ (+1, -0.33)

- a. 73656
 - b. 73660
 - c. 73600
 - d. 73650
-

26. What will be the horizontal mirror image of 'PUMP'?

(+1, -0.33)



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

27. In a computer game, a builder can build a wall in 5 hours while a destroyer can completely destroy it in a total of 7 hours. The builder and the destroyer begin work together on level ground. But after 3.5 hours, the destroyer is put out of work. What is the total time (in hours) required to build the wall?

(+1, -0.33)

- a. 7.5
- b. 8.5
- c. 17.5
- d. 12

28. A statement is followed by two arguments. You have to decide which of the arguments are/are strong with respect to the statement.

(+1, -0.33)

Statements:

Should doctors suggest walking as an alternative medicine exercise for diabetics?

Arguments:

- I. Yes, it has been proved that by walking regularly, good hormones are produced in sufficient quantity which keep diseases away.
- II. No, because due to the busy schedule, not everyone may be able to go out for a walk in the morning.

- a. Both I and II are strong
- b. Only argument I is strong
- c. Neither I nor II is strong
- d. Only argument II is strong

29. Deepu wants to reduce the consumption of milk in the ratio 9 : 5. His present milk consumption is 18 liters. Find his lesser consumption. (+1, -0.33)

- a. 16 liters
- b. 1 liters
- c. 14 liters
- d. 10 liters

30. An object travels 24 meters in 4 seconds and then another 15 meters in 2 seconds. What is the average speed of the object? (+1, -0.33)

- a. 6.5 m
- b. 6.5 ms^{-1}

c. 6.7 ms^{-1}

d. 6.67 s^{-1}

31. What was the real name of Sher Shah Suri or Sher Khan?

(+1, -0.33)

a. Farid

b. Jamaal

c. Jalal-Ud-Din

d. Abul-Fath

32. The current-voltage graph of ohmic devices is of the form:

(+1, -0.33)

a. Parabolic curve

b. Bi-linear curve

c. Non-linear curve

d. Linear curve

33. Morris used to spend 25% of his income on food. He got an increment of one thousand rupees, but he did not increase his expenditure on food items. As a result, his expenditure on food fell to 20%. What was his initial income?

(+1, -0.33)

a. Rs. 6500

b. Rs. 6000

c. Rs. 5000

d. Rs. 4000

34. Rs. 88 is divided between Jayati and Prateek in the ratio of 5 : 6. How much money did Jayati get? (+1, -0.33)

a. Rs. 40

b. Rs. 48

c. Rs. 56

d. Rs. 52

35. There are 7 periods and 18 groups in the _____ classification. (+1, -0.33)

a. Mendeleev's periodic table

b. Modern periodic table

c. Newland's Octavus

d. Dobereiner's triad

36. The mines of Jadugoda are famous for _____. (+1, -0.33)

a. Uranium

b. Copper

c. Gold

d. Iron

37. _____ is the lightest metal. (+1, -0.33)

- a. Ca
 - b. Li
 - c. P
 - d. He
-

38. _____ is the main component of cement. (+1, -0.33)

- a. MgOH
 - b. CaCO_3
 - c. SiO_2
 - d. MnO
-

39. An element with electronic frequency 2, 8, 8 is placed in the group _____ in the modern periodic table. (+1, -0.33)

- a. 8
 - b. 2
 - c. 18
 - d. 17
-

40. The change in the speed of light when enter to denser medium is: (+1, -0.33)

- a. Dispersion index
 - b. Refractive index
 - c. Angle of incidence
 - d. Reflective index
-

41. Neha bought a book at 30% discount for Rs. 1300 and sold it at 30% profit. (+1, -0.33)
How much did she earn?

- a. Rs. 273
 - b. Rs. 390
 - c. Rs. 780
 - d. Rs. 0
-

42. Who was honoured with the Padma Bhushan award in the field of art (+1, -0.33)
music from Maharashtra in 2018?

- a. S.P. Balasubramaniam
 - b. A. R. Rahman
 - c. Arvind Parikh
 - d. Ilayaraja
-

43. Which Indian boxer was honoured with the 'Legend Award' by the (+1, -0.33)
Amateur International Boxing Association (AIBA)?

- a. Mandeep Jangda

- b. Sarjubala Devi
- c. MC Mary Kom
- d. Shiv thapa

44. A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement. (+1, -0.33)

Statements:

It is better to buy a double door refrigerator

Arguments:

I. Yes, it provides separate space for freezer and refrigerator.

II. No, it is too expensive and consumes more power

- a. Neither I nor II is strong
- b. Only logic I is strong
- c. Either I or II is strong
- d. Only logic II is strong

45. Which of the following Venn diagrams correctly depicts the relationship between the following classes? (+1, -0.33)

A) Biscuit B) Rice Pakoras C) Baking





46. If EGG is coded as 577, then what will be the code for TELL? (+1, -0.33)

- a. 2051313
- b. 2051212
- c. 2061212
- d. 2051213

47. Rani is two years older than Ragini, whose age is twice the age of Nag. If the sum of ages of Rani, Ragini and Nag is 27 years, then what is the age of Ragini? (+1, -0.33)

- a. 9
- b. 8
- c. 10
- d. 7

48. Which of the following former or present Chief Minister of India was a priest of the first temple? (+1, -0.33)

- a. Yogi Adityanath
- b. Vijay Rupani

c. Manohar Parrikar

d. Mayawati

49. A rectangle whose dimensions are 4 cm and 2 cm is bent to form an equilateral triangle. What will be the area of the equilateral triangle so formed? (+1, -0.33)

a. $4\sqrt{3} \text{ cm}^2$

b. $6\sqrt{3} \text{ cm}^2$

c. $\frac{9}{4}\sqrt{3} \text{ cm}^2$

d. $2\sqrt{3} \text{ cm}^2$

50. On an average, Pramod uses 10% of his monthly salary to fill petrol in his car. The remaining 80% is spent on domestic work and 10% saves salary. (+1, -0.33)

If, on a monthly basis, he spends on domestic work is Rs. 24000, then what is his annual income?

a. Rs. 360000

b. Rs. 160000

c. Rs. 80000

d. Rs. 240000

51. $\tan 34 \tan 42 \tan 48 \tan 56 + \tan 60 \cot 30 - \operatorname{cosec} 30 \sec 60 = ?$ (+1, -0.33)

a. 0

b. 1.5

c. 1

d. 2

52. The square root of 6724 is: (+1, -0.33)

a. 78

b. 76

c. 82

d. 74

53. _____ compound has -OH as a functional group. (+1, -0.33)

a. Carboxylic acid

b. Ethanoic acid

c. Acetic acid

d. Alcohol

54. Which organization has established Govardhan Ecological Village in Maharashtra? (+1, -0.33)

a. ISH Foundation

b. R.A.S.

c. Gaudiya Math

d. Iskcon

55. $392 - 39.2 - 3.92 - 0.392 = ?$

(+1, -0.33)

a. 346.468

b. 346.508

c. 348.488

d. 348.468

56. Which of the following Bollywood actress has won the Best Actress award at the International Film Festival of Australia and Awards (IFFA) in March 2017?

(+1, -0.33)

a. Priyanka Chopra

b. Aishwarya Rai

c. Vidya balan

d. Alia Bhatt

57. Madhu points to a picture and says, "This is my mother's sister's daughter." How is the lady in the picture related to Madhu?

(+1, -0.33)

a. Wife

b. Cousin sister

c. Daughter in law

d. Daughter

58. The sum of two fractions is $\frac{7}{6}$. One of the fraction is $\frac{3}{4}$. The second fraction will be: (+1, -0.33)

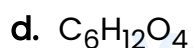
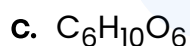
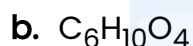
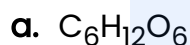
a. $\frac{4}{12}$

b. $\frac{5}{12}$

c. $\frac{4}{2}$

d. $\frac{1}{12}$

59. The compound using the proven formula CH_2O has a vapor density of 90. (+1, -0.33)
The molecular formula of the compound is:



60. Who among the following won the World Billiards Championship title in 2017? (+1, -0.33)

a. Pankaj Advani

b. Saurav Kothari

c. Michael Ferreira

d. Geet Sethi

61. If $\sec\theta + \tan\theta = 1.25$,, then $\sec\theta - \tan\theta = ?$ (+1, -0.33)

- a. 1
- b. 0.80
- c. 0.75
- d. 0.25

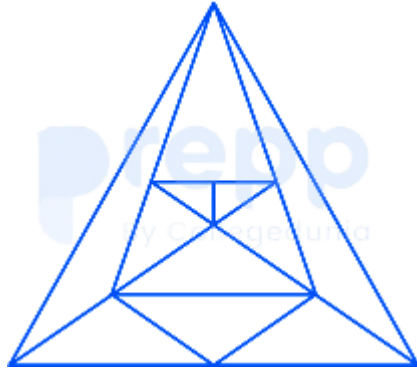
62. Which of the following does not belong to the group. (+1, -0.33)

- a. Oregano
- b. Cauliflower
- c. Salad
- d. Meat

63. The Mughal Emperor _____ adopted the title 'Alamgir'. (+1, -0.33)

- a. Aurangzeb
- b. Akbar
- c. Jahangir
- d. Shahjahan

64. How many triangles are there in this figure? (+1, -0.33)



- a. 17
- b. 23
- c. 18
- d. 19

65. An object of mass 30 kg is being moved with a uniform velocity of 10 ms^{-1} . The kinetic energy of the object is: (+1, -0.33)

- a. -150 J
- b. 1500 J
- c. - 1500 J
- d. 150 J

66. Study the statement given below and decide which of the following is implicit in the assertion. (+1, -0.33)

Statement:

The teacher told the students, "Water is a valuable resource."

Assumption:

- I. She wants children to understand the importance of water
- II. She wants them to understand that water should not be wasted.
- a. Both assumptions I and II are implicit.
- b. Only assumption II is implicit.
- c. Only assumption I is implicit.
- d. Neither assumption I nor II is implicit.

67. What is the largest 3 digit number which is exactly divisible by 10, 8 and 12? (+1, -0.33)
- a. 940
- b. 960
- c. 999
- d. 980

68. $\frac{2 \sin 30^\circ}{1 + \cos 30^\circ} + \frac{1 + \cos 30^\circ}{\sin 30^\circ} = ?$ (+1, -0.33)
- a. 4
- b. 8
- c. $4 - 2\sqrt{3}$
- d. $6 - \sqrt{3}$

69. The smaller of the two angles between the hour hand and the minute hand at 3:52 pm in a clock will be: (+1, -0.33)

- a. 165°
- b. 166°
- c. 164°
- d. 162°

70. Roots, stems and leaves of some plants develop into new plants through the process of _____. (+1, -0.33)

- a. Fragmentation
- b. Multiple fragmentation
- c. Vegetative propagation
- d. Uplift

71. Tropical rainforest can be found in the Silent Valley of _____. (+1, -0.33)

- a. Kerala
- b. Rajasthan
- c. Delhi
- d. Meghalaya

72. Complete the number series by choosing the missing number from the alternatives. (+1, -0.33)

1, 4, 9, 25, 49, (____), (____), 289, 361

- a. 121, 169
 - b. 112, 169
 - c. 131, 139
 - d. 121, 136
-

73. The Indian Railways has planned to build _____ in Jammu and Kashmir by the year 2016, which will be the world's highest railway bridge. (+1, -0.33)

- a. Wular bridge
 - b. Jhelum Bridge
 - c. Beas bridge
 - d. Chenab Bridge
-

74. A sports showroom has various sporting goods. 50% of sales in the store are swimming accessories. 40% of sales are outdoor game accessories and 10% indoor game accessories. (+1, -0.33)

If, in a particular month, the store sells Rs 10000, then what is the approximate figure for the sale of outdoor games?

- a. Rs. 8000
 - b. Rs. 5000
 - c. Rs. 3000
 - d. Rs. 4000
-

75. The image for a plane mirror is: (+1, -0.33)

- a. virtual and laterally inverted
- b. real and laterally vertical
- c. real and vertical
- d. virtual and laterally vertical

76. A bus passes two persons cycling in the same direction as the bus with speeds of 9.6 km/hr and 12 km/hr respectively in 4.5 sec and 9 sec respectively. What is the length of the bus? (+1, -0.33)

- a. 6 m
- b. 8 m
- c. 7 m
- d. 4 m

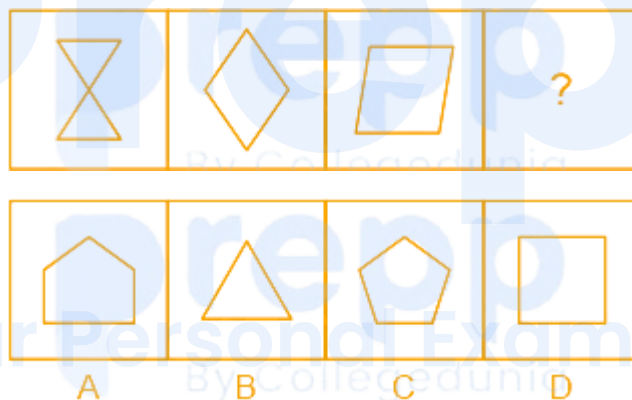
77. Vinay is the grandson of Vinod and Vishal is the grandson of Vedant. Vinod and Vedant are brothers. How is Vishal's father related to Vinay's father? (+1, -0.33)

- a. Cousin brother
- b. Father
- c. Maternal Uncle
- d. Brother

78. The weight of Ram and Shyam is 55 kg. Ram takes 5 minutes to climb the stairs while Shyam takes 3 minutes to climb the same steps. Who does more work? (+1, -0.33)

- a. Ram and Shyam do equal work.
- b. Ram does more work than Shyam.
- c. Shyam does more work than Ram.
- d. Ram and Shyam do not do any work.

79. Select the alternative which can replace the question mark ? in the given figure. (+1, -0.33)



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

80. Who is the Chief Minister of Gujarat as of March 2017? (+1, -0.33)

- a. Shankar Singh Vaghela
 - b. Narendra Modi
 - c. Vijay Rupani
 - d. Keshubhai Patel
-

81. Find the next number in the series given below.

(+1, -0.33)

2, 16, 128, _ _ _ _

- a. 548
 - b. 1000
 - c. 524
 - d. 1024
-

82. In the code language, PAINT is written as 15081319. What is the code for COLOUR?

(+1, -0.33)

- a. 21412142017
 - b. 21411142017
 - c. 21511152017
 - d. 21311132017
-

83. Identify the odd one out:

(+1, -0.33)

12L	3C	5E	16O
A	B	C	D

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

84. Two football teams, Team A and Team B, played in the tournament and scored the following goals in 6 matches. (+1, -0.33)

Game	Goals by Team A	Goals by Team B
Game 1	2	3
Game 2	1	0
Game 3	0	1
Game 4	4	5
Game 5	3	2
Game 6	2	1

What can we conclude on the basis of average goals?

- a. Team A and Team B have the same average score.
- b. The average score of team A is higher than that of B.
- c. Team A is more compatible than Team B.

d. The average score of team B is higher than that of team A.

85. M and P leave from their house for market. They both walk 700 m towards West and then take a right turn, walk 100 m and then take a 45° anticlockwise turn to reach the market. In which direction is the market with respect to his house? (+1, -0.33)

a. In the south-east

b. In the south-west

c. In the north-west

d. In the north-east

86. An outer circular path is built around a circular garden. If the outer and inner perimeter of the path are 220 m and 44 m respectively, then find the area of the path. (+1, -0.33)

a. 3960 m^2

b. 3696 m^2

c. 3069 m^2

d. 3096 m^2

87. Which of the following sportsperson was awarded Padma Shri in 2017? (+1, -0.33)

a. Geeta Phogat

b. Babita Kumari

- c. Sakshi Malik
- d. Deepika Kumari

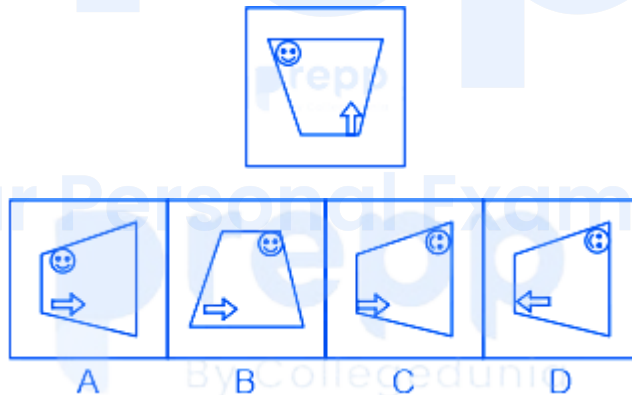
88. An athlete runs a distance of 500 m in 25 second. The average speed of an athlete is _____.

(+1, -0.33)

- a. 20 ms^{-2}
- b. 20 ms^{-1}
- c. 20 ms^1
- d. 20 ms^2

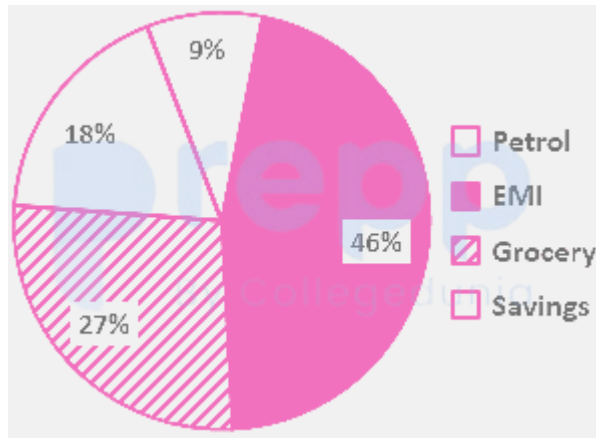
89. Which pattern resembles the following figure?

(+1, -0.33)



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

90. Following is the percentage distribution of Ramu's monthly income in four sections. If he gets Rs. 55000 per month, then what is the EMI to be paid by him in each month? (+1, -0.33)



- a. Rs. 25300
- b. Rs. 24000
- c. Rs. 26300
- d. Rs. 25000
-
91. Two pipes, working together, can fill a cistern in 3.9 hrs and 5.2 hrs respectively while a third pipe can empty a cistern in 10.4 hrs. When the tank $\frac{1}{12}$ is full, all the three pipes are opened simultaneously. How long will it take to fill the tank completely? (+1, -0.33)
- a. 2 hours 45 minute
- b. 2 hours 10 minute
- c. 2 hours 11
- d. 2 hours 36 minute

92. The product of mass and velocity is _____. (+1, -0.33)

- a. stress
 - b. momentum
 - c. force
 - d. pressure
-

93. _____ tissue makes up the inner lining of our mouth. (+1, -0.33)

- a. ciliated columnar epithelium
 - b. simple squamous epithelium
 - c. stratified squamous epithelium
 - d. columnar epithelium
-

94. Which of the following does not belong to this group? (+1, -0.33)

- a. Milk
 - b. Can
 - c. Oil
 - d. Petrol
-

95. A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement. (+1, -0.33)

Statements:

Should there be opinion polls before elections?

Argument:

I. Yes, the general public gets an opportunity to understand the overall election scenario.

II. No, these polls are generally biased.

- a. Both I and II are strong
- b. Neither I nor II is strong
- c. Only Argument I is Strong
- d. Only Argument II is Strong

96. $\frac{131}{255} + \frac{2}{5} + 5 - \frac{17}{3} = ?$ (+1, -0.33)

- a. $\frac{121}{255}$
- b. $\frac{117}{255}$
- c. $\frac{63}{255}$
- d. $\frac{131}{255}$

97. Professor Amartya Sen is famous in the field of _____. (+1, -0.33)

- a. Political Science
 - b. Medical
 - c. Economics
 - d. Theatrical art
-

98. Which is the capital city of France?

(+1, -0.33)

- a. Paris
- b. Kathmandu
- c. Berlin
- d. London

99. An object travels 25 m in 3 seconds and then 15 m in 2 seconds. What is the average speed of the object?

(+1, -0.33)

- a. 6.67s^{-1}
- b. 6.67 ms^{-1}
- c. 8.0 ms^{-1}
- d. 8.0 m

100. If $x^2 + 1.5kx + 4.5k = 0$ lies in the recurrent root, then what will be the satisfactory value of k:

(+1, -0.33)

- a. $k = 8$ Only
- b. $k < 0$ or $k > 8$
- c. $k = 8$ or $k = 0$
- d. $0 < k < 8$