



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 Question Paper (12-Oct-2018) (Shift 2)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

Navigating & Answering a Question

1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

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Test

1. Kanpur in Uttar Pradesh has _____ leather factories. (+1, -0.33)
- a. 500
 - b. 700
 - c. 50
 - d. 200
-
2. A person incurs a loss of 20% on selling type A tea at ₹160 per kg. The same person makes a profit of 25% on selling type B tea at ₹400 per kg. In what ratio should these two types of tea leaves A and B be mixed and sold so that a profit of 25% is earned on tea sold at ₹300 per kg? (+1, -0.33)
- a. 3 : 2
 - b. 2 : 1
 - c. 4 : 5
 - d. 1 : 2
-
3. Which is the missing number in the given series? (+1, -0.33)
- 7, 10, 14, 19, ?, 32
- a. 20
 - b. 18
 - c. 25

d. 27

4. A wire having resistance of 6Ω is doubled on itself. Calculate the new resistance of the wire. (+1, -0.33)

a. 1.00Ω

b. 1.5Ω

c. 2.25Ω

d. 1.25Ω

5. Which state was the first to support the Centre's draft Triple Talaq Bill? (+1, -0.33)

a. Rajasthan

b. Uttar Pradesh

c. Madhya Pradesh

d. Gujarat

6. Choose the most appropriate option for the blank. (+1, -0.33)

$$(-9)[55 \div \{6 - (-5)\}] = \underline{\hspace{2cm}}$$

a. -63

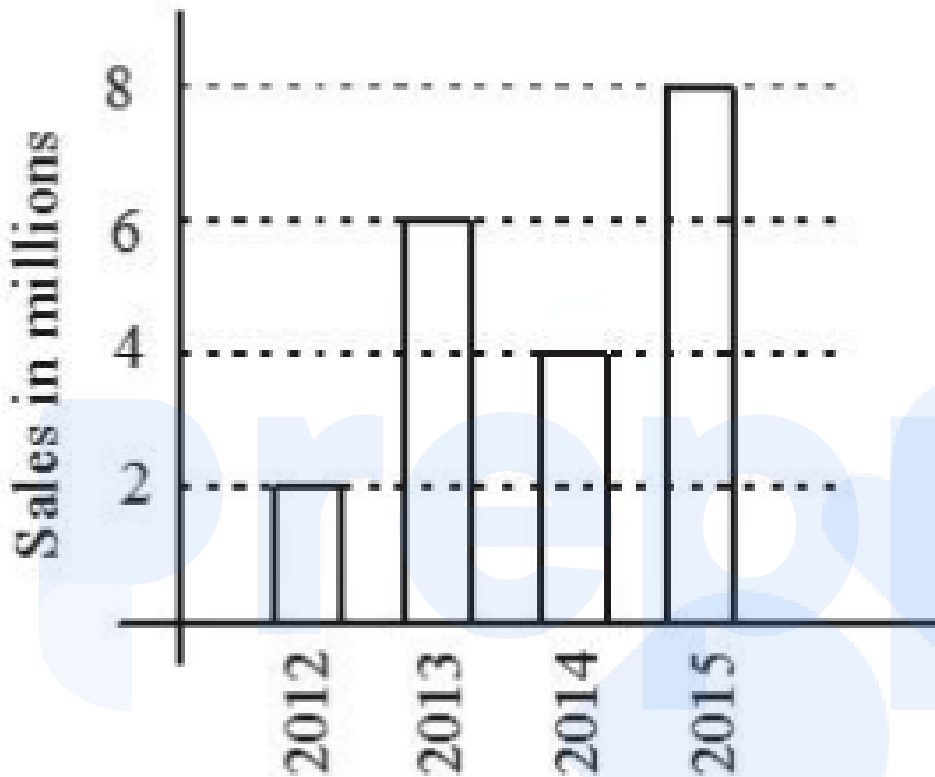
b. 63

c. -45

d. 45

7. The bar graph given below depicts the sales revenue of 'ABC' Steel company in the last four years.

(+1, -0.33)



In which year did ABC company earn the highest sales revenue?

- a. 2015
- b. 2013
- c. 2012
- d. 2014

8. By applying which of the following meanings of arithmetic signs, will the value of $800 - 10 \div \frac{1}{2} \times 40 + 40$ become 40? (+1, -0.33)

- a. - means $\div$, $\times$ means $\times$, + means -, $\div$ means $\times$
- b. - means $\div$, $\times$ means +, + means -, $\div$ means $\times$
- c. $\div$ means $\div$, $\times$ means $\div$, + means -, $\div$ means $\times$
- d. - means $\div$, + means $\times$, $\times$ means -, $\div$ means +

9. The ratio of the present ages of Suresh and Taimur is 4 : 3. After 14 years, the ratio of their ages will become 6 : 5. What is Taimur's present age in years? (+1, -0.33)

- a. 30
- b. 21
- c. 27
- d. 24

10. A statement is followed by two arguments. Indicate which of the arguments is strong in respect of the statement. (+1, -0.33)

Statement:

Should we rely more on traditional medicine?

Arguments:

I. Yes, as new studies suggest that there are scientific bases for the different medicinal systems.

II. No, although we can rely on traditional medicines, modern medicines and procedures provide immediate relief.

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

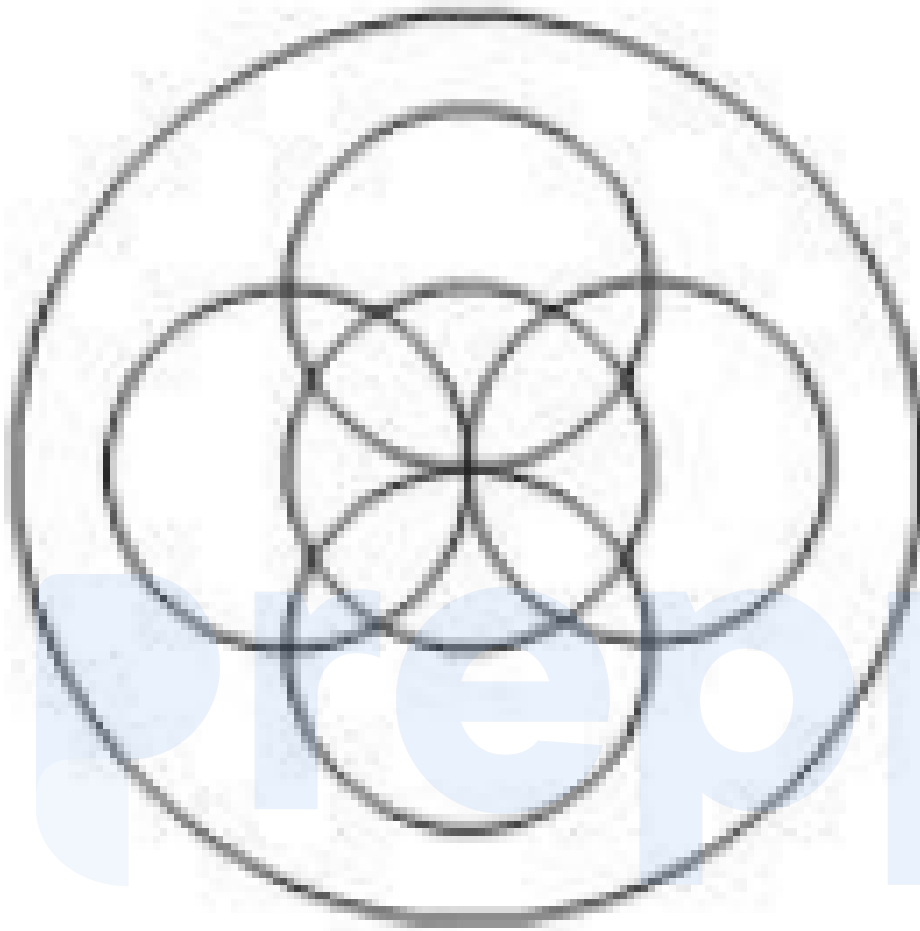
11. If $a^2 - b^2 = 10$ and $ab = 4$, then find the value of $a^4 + b^4$. (+1, -0.33)

- a. 132
- b. 84
- c. 156
- d. 116

12. When an object is placed at the 2F1 position of a convex lens, what is the size of the image? (+1, -0.33)

- a. Smaller
- b. Same as object
- c. Highly diminished
- d. Enlarged

13. Count the circles in the following figure. (+1, -0.33)



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- a. 8
- b. 6
- c. 7
- d. 5

14. Which of the following is not a function of the epidermis of plants? (+1, -0.33)

- a. Regulating transpiration

- b. Carrying out photosynthesis
 - c. Protecting the plant
 - d. Preparing a steady insulating layer of air with the help of hairs
-

15. Who was awarded the Padma Vibhushan in 2018 in the field of Art-Music? (+1, -0.33)

- a. S.P. Balasubramaniam
 - b. K.J. Yesudas
 - c. Ghulam Mustafa Khan
 - d. A.R. Rahman
-

16. Plants have flexibility due to a tissue called ----- (+1, -0.33)

- a. Sclerenchyma
 - b. Collenchyma
 - c. Parenchyma
 - d. Chlorenchyma
-

17. In a particular code, NEWTON is written as NOTNEW. How will PASCAL be written in the same code? (+1, -0.33)

- a. ACASPL
- b. LACSAP
- c. LACPAS

d. ASPACT

18. What is the value of $\sqrt{0.8}$? (+1, -0.33)

a. 0.964

b. 0.894

c. 0.694

d. 0.984

19. Two gas-filling tubes A and B can fill a gas cylinder in 12 minutes and 15 minutes respectively. But a third tube can empty it in 6 minutes. The first two tubes are initially opened for 5 minutes and then the third tube is also opened. In how much time will the cylinder become empty? (+1, -0.33)

a. 70 minutes

b. 30 minutes

c. 45 minutes

d. 60 minutes

20. The ratio of men to women present at a party is 4 : 7. What can be the total number of people present at the party? (+1, -0.33)

a. 64

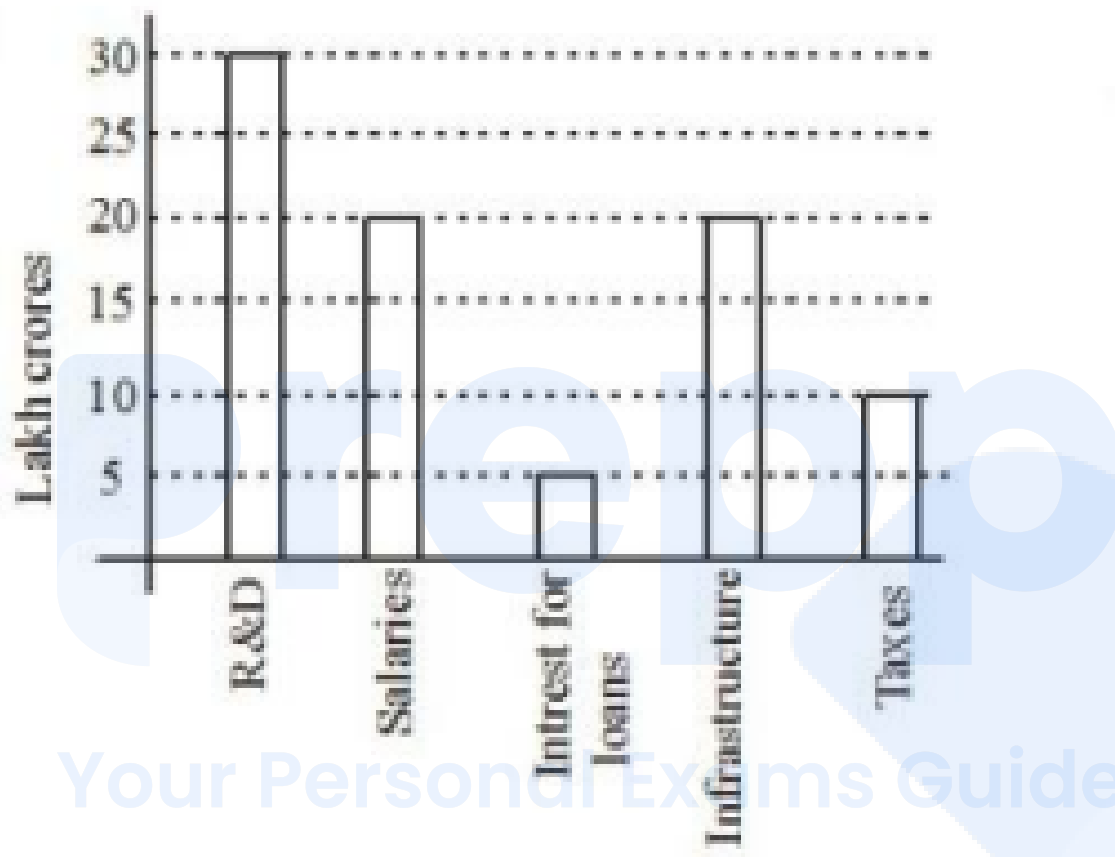
b. 70

c. 66

d. 78

21. The graph given below depicts the expenditure of the public-sector company 'ABC' under various heads for the financial year 2015-16.

(+1, -0.33)



In which area did company 'ABC' spend the most for the year 2015-16?

- a. Infrastructure
- b. Research & Development
- c. Taxes
- d. Sales

22. _____ is a physical quantity which can never be negative. (+1, -0.33)

- a. Force
- b. Velocity
- c. Acceleration
- d. Distance

23. Atomic radius is measured in _____. (+1, -0.33)

- a. Nanometres
- b. Millimetres
- c. Micrometres
- d. Centimetres

24. If 3 men or 4 women earn ₹480 per day, then what is the one-day income of 5 men and 7 women? (+1, -0.33)

- a. ₹ 822.86
- b. ₹ 1,568
- c. ₹ 1,235
- d. ₹ 1,640

25. How many medals did India win at the 69th Strandja Memorial Boxing Tournament, 2018? (+1, -0.33)

- a. 9
- b. 15
- c. 5
- d. 11

26. Which of the following women became the first woman to score 6,000 runs in One Day International cricket? (+1, -0.33)

- a. Preeti Bose
- b. Soni Yadav
- c. Mithali Raj
- d. Shikha Pandey

27. Which of the following persons developed the polio vaccine? (+1, -0.33)

- a. Marie Curie
- b. Jonas Edward Salk
- c. Louis Pasteur
- d. Alfred B. Nobel

28. What is the value of $\{(36)^2 - (35)^2\} = ?$ (+1, -0.33)

- a. 73
- b. 75

c. 72

d. 71

29. In a particular code language, TEMPLE is coded as UFNQMF; then what will be the code for the word SING? (+1, -0.33)

a. TJOZ

b. JTOH

c. TJOH

d. TJKP

30. 6 6 8 5 5 3 7 3 7 2 5 8 8 7 8 1 5 5 3 (+1, -0.33)

In the above sequence, how many 5s are there which are not divisible by the number to their left but are perfectly divisible by the number to their right?

a. 2

b. 1

c. 0

d. 3

31. Select the organisation which does not belong to the given group. (+1, -0.33)

a. Axis Bank

b. IDBI Bank

c. IIM Ranchi

d. ICICI Bank

32. Who is the current Finance Secretary of India? (+1, -0.33)

a. Hasmukh Deshpande

b. Hasmukh Adhia

c. Mohit Lavasa

d. Ashok Lavasa

33. The pointed leaves of the nettle plant cause a burning pain when they prick, because they contain ----- (+1, -0.33)

a. Acetic acid

b. Propanoic acid

c. Ethanoic acid

d. Methanoic acid

34. Which of the following has won Season 10 of the Indian Premier League? (+1, -0.33)

a. Chennai Super Kings

b. Deccan Chargers

c. Royal Challengers Bangalore

d. Mumbai Indians

35. From the top of a 10 m high platform, the angle of elevation of a tower was 30° . If the height of the tower was 70 m, how far was the platform from the tower? (+1, -0.33)

- a. $20\sqrt{3}$ m
- b. 60 m
- c. $60\sqrt{3}$ m
- d. $70\sqrt{3}$ m

36. What will be the value of $-4 - (-8 - 24 \div 4)$? (+1, -0.33)

- a. -12
- b. -18
- c. 10
- d. 8

37. The ratio of the number of marbles with Trophy and Ragini was 9 : 8, while the ratio of the number of marbles with Javed and Ragini was respectively 5 : 12. Then what is the ratio of the number of marbles with Trophy and Javed respectively? (+1, -0.33)

- a. 6 : 5
- b. 5 : 9
- c. 27 : 10
- d. 9 : 5

38. Select the option whose relation with the third word is the same as the relation of the second word with the first word. (+1, -0.33)

Prayer : Temple :: Cook : _____

- a. Cooker
- b. Rice
- c. Kitchen
- d. Ladle

39. A train running at a speed of 48 km/hr crosses a 200 m long platform in 27 s. What is the length of the train? (+1, -0.33)

- a. 240 m
- b. 160 m
- c. 180 m
- d. 140 m

40. Which of the following has won the Intel International Science and Engineering Fair, which is the world's largest pre-college science competition held in the United States? (+1, -0.33)

- a. Palash Kumar
- b. Amit Prakash
- c. Ravikant

d. Prashant Ranganathan

41. Which of the following statements are correct? (+1, -0.33)

- A. The fourth and fifth periods have 18 elements
- B. The seventh period is incomplete with 33 elements in it
- C. The sixth period has 32 elements

- a. A, B and C
 - b. B and C
 - c. A and C
 - d. A and B
-

42. In the Customer Satisfaction Index, 2017, Swami Vivekananda Airport, Raipur stood at the _____ position. (+1, -0.33)

- a. Second
 - b. Fourth
 - c. Third
 - d. First
-

43. A group of nineteen students appeared in an examination. One more student joined the group later by taking the examination. By including his marks, the average marks of the group increased by 1.5 marks. This student scored _____ marks more than the average marks without including him. (+1, -0.33)

- a. 30
 - b. 25
 - c. 28.5
 - d. 24
-

44. A tank is normally filled in 8 hours, but due to a leak at the bottom, it takes two more hours to fill it. If the tank is full, the leak alone will empty it in

-----.

- a. 20 hours
 - b. 40 hours
 - c. 30 hours
 - d. 10 hours
-

45. During the Sultanate period, a unique kind of land-distribution and administrative system had developed. It was called -----.

- a. Mahalwari
 - b. Patwari
 - c. Iqtadari
 - d. Zamindari
-

46. Suresh is the son of Nikita's mother's brother. How is Suresh related to Nikita?

- a. Maternal grandmother
 - b. Maternal aunt
 - c. Mother
 - d. Maternal cousin brother
-

47. Which of the following numbers is a composite number? (+1, -0.33)

- a. 91
 - b. 71
 - c. 31
 - d. 41
-

48. When a clock strikes 2 o'clock, what time will be displayed in the mirror image of that clock? (+1, -0.33)

- a. 08:00
 - b. 10:00
 - c. 04:00
 - d. 06:00
-

49. _____ is related to the theory of evolution by natural selection. (+1, -0.33)

- a. Miller
- b. Jean-Baptiste Lamarck

- c. Gregor Mendel
 - d. Charles Darwin
-

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

Statement:

Should only accredited correspondents' news be published in the newspaper?

Arguments:

- 1. Yes, this will save a lot of paper, which in turn will save trees too.
 - 2. No, the qualified and unqualified cannot be defined.
- a. Neither argument 1 nor 2 is strong
 - b. Only argument 1 is strong
 - c. Only argument 2 is strong
 - d. Either argument 1 or 2 is strong
-

51. 22 February 2002 was a Friday. Which day was 15 March 2008? (+1, -0.33)

- a. Saturday
 - b. Sunday
 - c. Friday
 - d. Monday
-

52. Below you are given a question followed by two arguments I and II. You have to decide which of the arguments is/are strong with respect to the statement. (+1, -0.33)

Statement:

Should children be punished for lying?

Arguments:

I. Yes, children should be given age-appropriate punishment in order to discipline them.

II. No, instead of bringing about the desired behaviour, punishment creates a fear of being punished.

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

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53. Hydrogen and helium are placed in the _____. (+1, -0.33)

- a. third period
- b. fourth period
- c. first period
- d. sixth period

54. A statement and two arguments are given. Decide which of the argument(s) is/are strong with respect to the statement. (+1, -0.33)

Statement:

We need to ask the question whether products patented and manufactured in Western countries should first be used as samples before being licensed for sale to the general public in India?

Arguments:

I. Yes, it is necessary, because many such products are not suited to the needs of the Indian public.

II. No, it is not necessary because it is not practical and therefore cannot be implemented.

- a. No argument is strong.
- b. Only argument II is strong.
- c. Only argument I is strong.
- d. Both I and II arguments are strong.

55. $[29 - (-2)\{6 - (7 - 3)\}] \div [3 \times \{5 + (-3) \times (-2)\}] = ?$ (+1, -0.33)

- a. -11
- b. -1
- c. 3
- d. 1

56. By buying a shirt for ₹ 825, Sunidhi sells it at a profit of 32%. The selling price of the shirt was ₹ _____. (+1, -0.33)

- a. ₹ 960
- b. ₹ 1025
- c. ₹ 1089
- d. ₹ 975

57. A swimmer, swimming in still water at 9 km/hr, finds that the time taken to cover a certain distance downstream is half the time taken to cover the same distance upstream. Find the speed of the water. (+1, -0.33)

- a. 5 km/hr
- b. 3 km/hr
- c. 8 km/hr
- d. 10 km/hr

58. If the current flowing in a wire is doubled, what will be the effect on its resistance? (+1, -0.33)

- a. The resistance will double.
- b. The resistance will remain unaffected.
- c. The resistance will be halved.
- d. The resistance will become four times.

59. Sexual reproduction involves _____ of _____. (+1, -0.33)

- a. opposite sexes, one parent
- b. same sex, two parents
- c. any sex, one parent
- d. opposite sexes, two parents

60. You see a rocket from the launch pad at a distance of 3 km at an elevation angle of 30° . What is the height of the rocket? (+1, -0.33)

- a. $3\sqrt{3}/2$ km
- b. 6 km
- c. $\sqrt{3}$ km
- d. $3\sqrt{3}$ km

61. The Indira Gandhi Canal originates from the _____. (+1, -0.33)

- a. Sardar Sarovar Dam
- b. Ukai Dam
- c. Harike Barrage
- d. Indirasagar Dam

62. Choose the option that is NOT true about the circulatory system. (+1, -0.33)

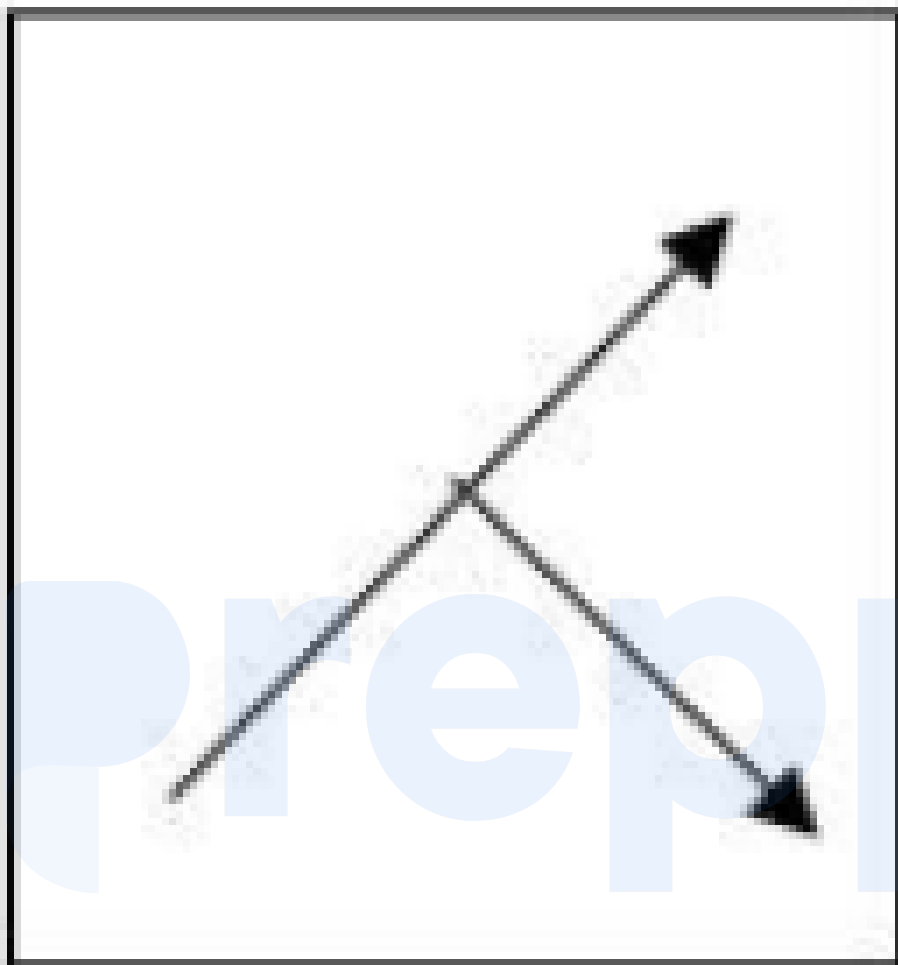
- a. The life span of human red blood corpuscles (RBCs) is 115–120 days.
 - b. Blood is a red vascular connective tissue.
 - c. It is about 17–18% of body weight.
 - d. An adult person has about 6.8 litres of blood.
-

63. A group that is attracted by water molecules is called: (+1, -0.33)

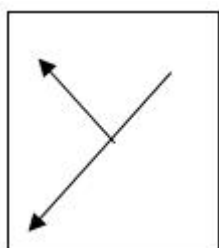
- a. Hydrophobic
 - b. Micelle
 - c. Homologous
 - d. Hydrophilic
-

64. Select the correct mirror image for the following figure: (+1, -0.33)

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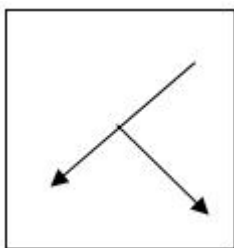


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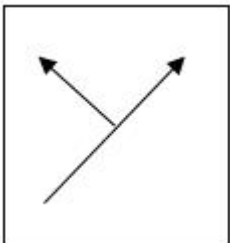


a.

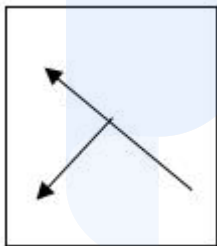
b.



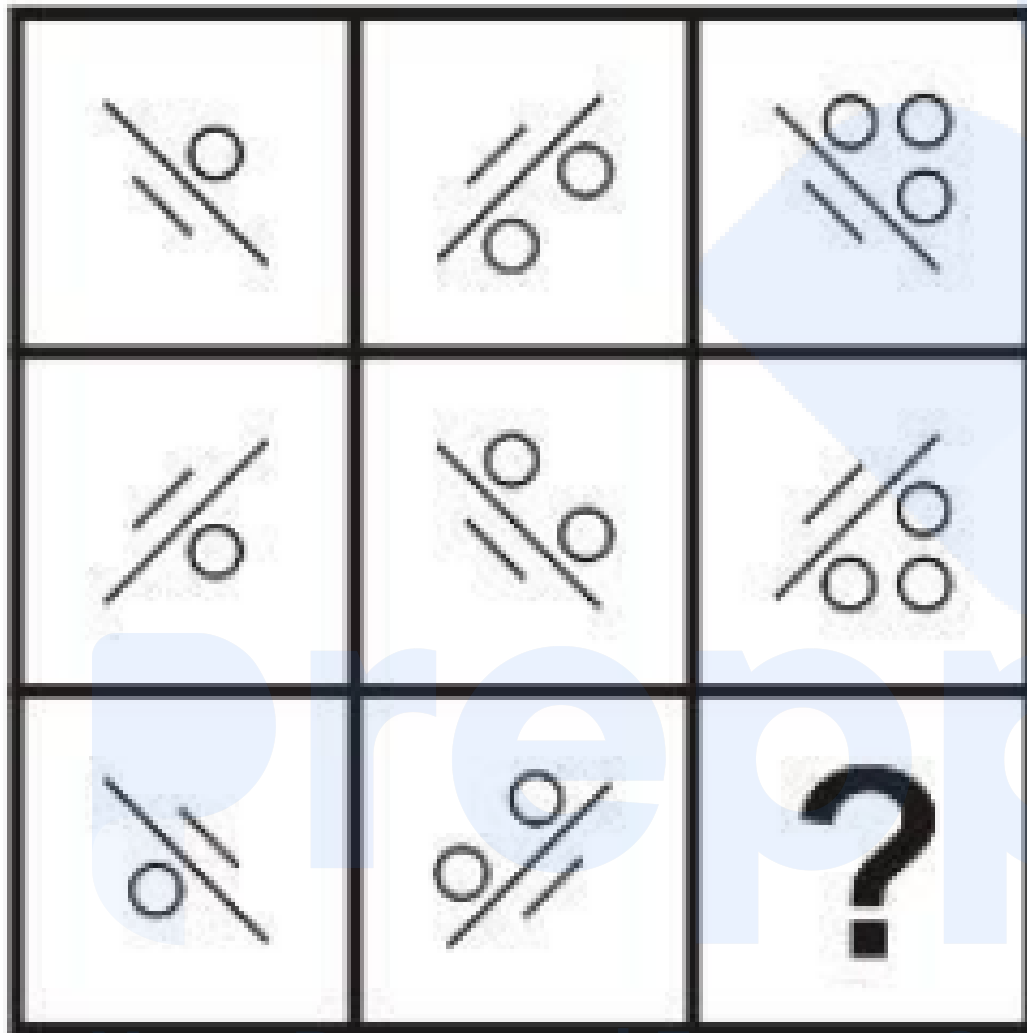
c.



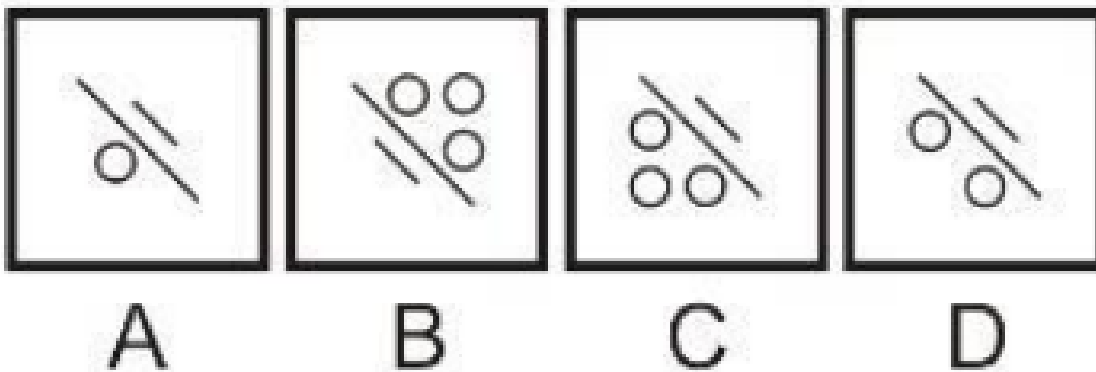
d.



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65. Select from the following the correct figure that fits into the blank space in the above figure: (+1, -0.33)



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

66. Which of the following statements about the speed of sound in different media at 25°C is/are true/false? (+1, -0.33)

A. In water (sea), the speed of sound is 1531 m/s.

B. In air, the speed of sound is 346 km/s.

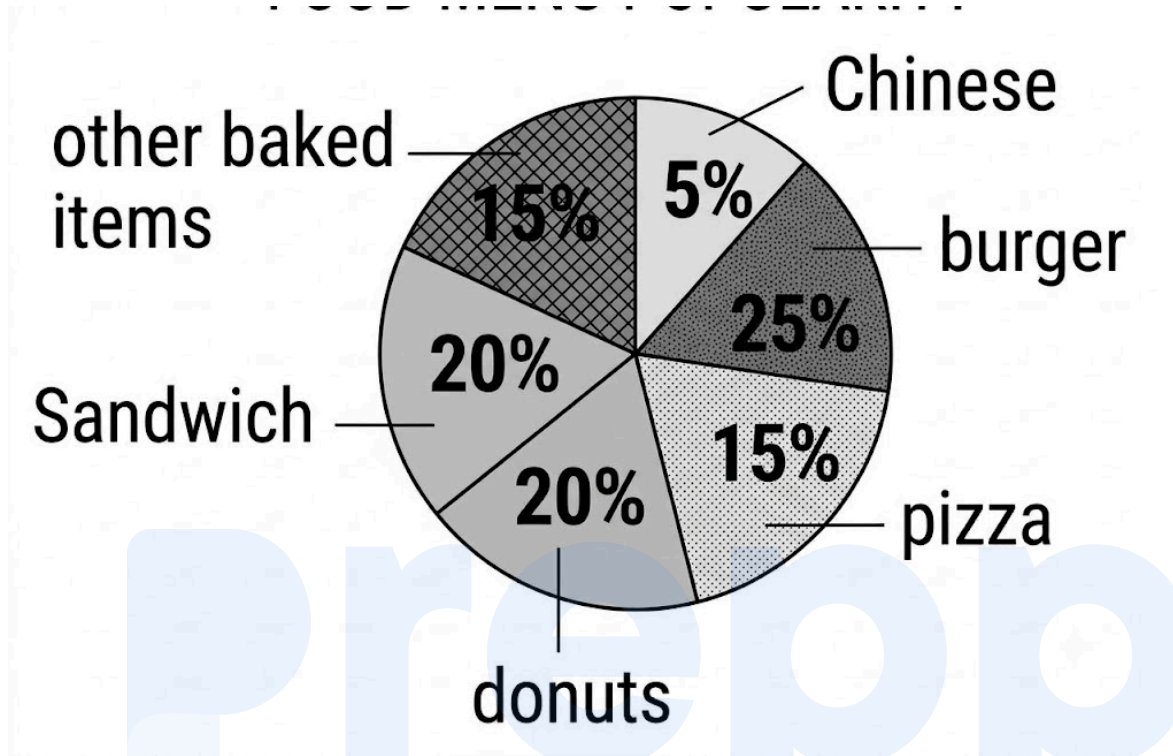
- a. Only A is true.
 - b. Only B is true.
 - c. Neither A nor B is true.
 - d. Both A and B are true.
-

67. The terms 'Bull' and 'Bear' are used in _____. (+1, -0.33)

- a. Toll Tax
 - b. Octroi
 - c. Overdraft
 - d. Stock Market
-

68. The following pie chart shows information about the sales of different types of food items by restaurant 'XYZ'.

(+1, -0.33)



Total revenue earned by the restaurant in November 2017 was ₹ 35 lakh.

Among the other food items offered by 'XYZ', which of the following types of food items has the highest sales?

- a. Burger
- b. Donut
- c. Pizza
- d. Chinese

69. If $\frac{x^2+1}{x} = 3$, then find the value of $\frac{x^4+1}{x^2}$.

(+1, -0.33)

- a. 7
- b. 11
- c. 3
- d. 9

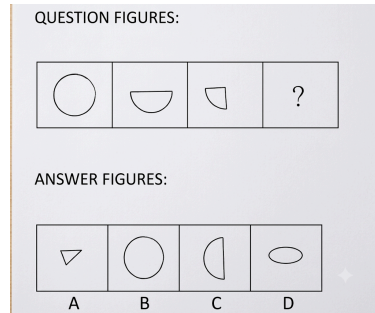
70. $154 \div [30 - \{33 - (25 - 176 \div \overline{4 \times 4})\}] = ?$ (+1, -0.33)

- a. 14
- b. 2
- c. 22
- d. 11

71. Find the value of $\sqrt{2}$ to eight decimal places. (+1, -0.33)

- a. 1.41421354
- b. 1.41421346
- c. 1.41421366
- d. 1.41421356

72. Select the answer figure that will complete the given series of question figures. (+1, -0.33)



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

73. Raghu is facing east in the morning, then he first turns 90° clockwise and then turns 135° counter-clockwise. Which direction is he facing now? (+1, -0.33)

- a. South - West
- b. West
- c. East
- d. North - East

74. Who founded the Arya Mahila Samaj and worked to improve women's rights in India during British rule? (+1, -0.33)

- a. Pandita Ramabai
- b. Tarabai Shinde
- c. Sarojini Naidu

d. Savitribai Phule

75. Ram swims in a 103 m long pool. He swims from one end to the other and back, covering 206 m in one minute. Find his average speed. (+1, -0.33)

- a. 2.5 ms^{-1}
 - b. 2.44 ms^{-1}
 - c. 3.43 ms^{-1}
 - d. 2.45 ms^{-1}
-

76. Which of the following statements is true? (+1, -0.33)

- a. During a reduction reaction, electrons are lost from the atom
 - b. During a reduction reaction, electrons are gained by the atom
 - c. During a reduction reaction, protons are released from the atom
 - d. During a reduction reaction, protons are lost from the atom
-

77. The largest freshwater lake in north-eastern India is _____, located in Manipur. (+1, -0.33)

- a. Loktak Lake
 - b. Pulicat Lake
 - c. Maracaibo Lake
 - d. Chilka Lake
-

78. Which of the following will melt when placed on the palm of the hand? (+1, -0.33)

- a. Li and Na
- b. Cs and Na
- c. Na and Ga
- d. Ga and Cs

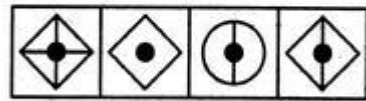
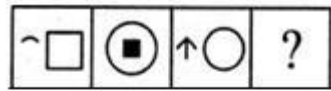
79. 'Pulikalli', which was celebrated in 2017, is a folk-dance form of which Indian state? (+1, -0.33)

- a. Andhra Pradesh
- b. West Bengal
- c. Kerala
- d. Odisha

80. Who was the winner of the popular TV show Indian Idol-9? (+1, -0.33)

- a. L.V. Revanth
- b. Khuda Baksh
- c. P.V.N.S. Rohit
- d. Sriram

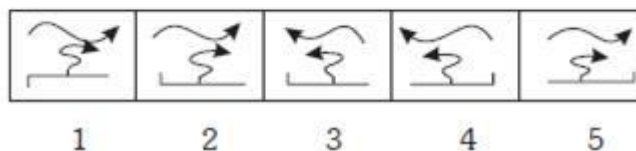
81. From the given options, choose the correct figure that will replace the question mark in the above series with one of the figures given below. (+1, -0.33)



A B C D

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

82. Shravani drew different pictures in three groups. In the figures below, figures a and b are related in a particular way. From the five options, choose the correct option to establish the relation between c and d. (+1, -0.33)



- a. 3
- b. 5
- c. 1
- d. 2

83. What alphanumeric pair will appear in place of '?' in this series? (+1, -0.33)

10K, 14L, 18N, 22Q, ?

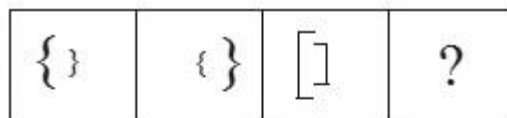
- a. 25G
- b. 26U
- c. 26A
- d. 22K

84. In _____, the Queen of England was declared the Empress of India. (+1, -0.33)

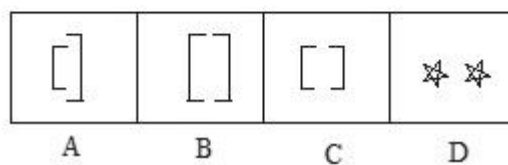
- a. 1877
- b. 1787
- c. 1867
- d. 1876

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85. Find the next figure of the given sequence from the answer figures: (+1, -0.33)



उत्तर चित्र:



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

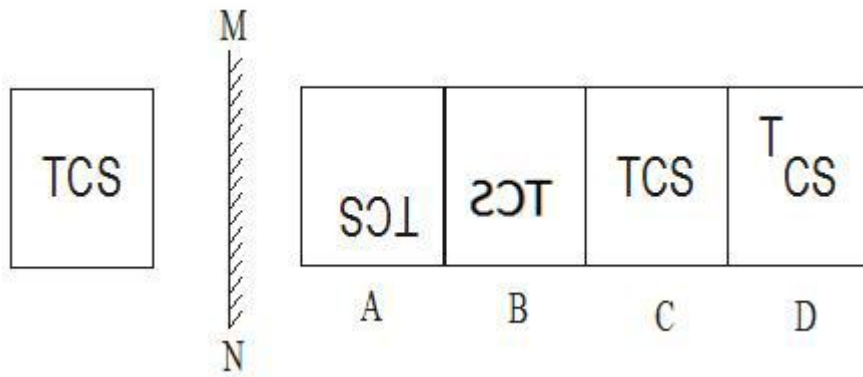
86. An object of mass 'm' is moving with acceleration 'a'. What is the force applied on it? (+1, -0.33)

- a. $a + m$
- b. $m \times a$
- c. m/a
- d. a/m

87. In a coded language, CAR is written as X24Z26I9. What will be the code for DRIVE? (+1, -0.33)

- a. W23I8R19E5V22
- b. W23I9R18E5V23
- c. W23I9R18E5V22
- d. W22I9R18E5V23

88. Find the mirror image of the given figure: (+1, -0.33)



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

89. An object of mass 150 kg accelerates from a velocity of 6 ms^{-1} to 16 ms^{-1} in 5 seconds. Find the acceleration. (+1, -0.33)

- a. -2 ms^{-2}
- b. 2 ms^{-2}
- c. -10 ms^{-2}
- d. 10 ms^{-2}

90. Which was the first Indian state to change the financial year from January to December? (+1, -0.33)

- a. Andhra Pradesh
- b. Tamil Nadu

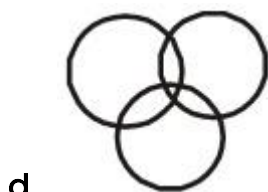
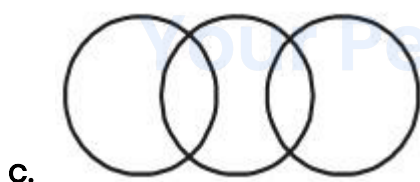
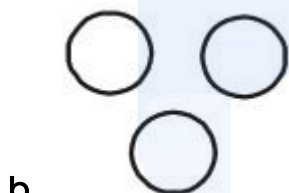
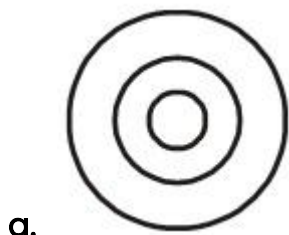
c. Madhya Pradesh

d. Karnataka

91. Choose the appropriate Venn diagram for the following words:

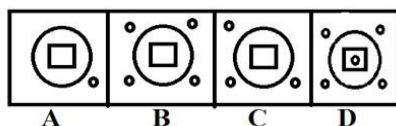
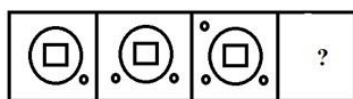
(+1, -0.33)

Frog, Cat, Dog



92. Which answer figure will come in place of '?' in the given series?

(+1, -0.33)



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

93. What is the symbol of mass number?

(+1, -0.33)

- a. A
- b. Z
- c. N
- d. M

94. A household consumes 200 units of energy in a month. How much energy is this in joules?

(+1, -0.33)

- a. 7.2×10^6 J
- b. 7.2×10^8 J
- c. 72×10^8 J
- d. 72×10^6 J

95. Which of the following can do more work? (+1, -0.33)

- a. A fired bullet
- b. A spinning wheel
- c. A fast-moving stone
- d. A raised hammer

96. Who was conferred the 2017 Tata Literature Live Lifetime Achievement Award? (+1, -0.33)

- a. Yayati Haivadan
- b. Girish Karnad
- c. Pankaj Mishra
- d. Nabaneeta Dev Sen

97. Mechanical Energy - Kinetic Energy = ? (+1, -0.33)

- a. Potential Energy
- b. Electrical Energy
- c. Nuclear Energy
- d. Chemical Energy

98. You are given a question and two statements. Identify which of the statements is necessary or sufficient to answer the question. (+1, -0.33)

Question:

Who is the tallest among the five friends?

Statements:

I. Deepa is taller than Veena and Chitra.

II. Pranavi is shorter than Abhi but taller than Deepa.

- a. Data in only I or II is sufficient
- b. Data in only Statement II is sufficient
- c. Data in only Statement I is sufficient
- d. Data in both I and II together is required

99. A solution contains 36 g of salt in 320 g of water. What will be the concentration of the solution by mass percentage? (+1, -0.33)

- a. 9.09%
- b. 13.05%
- c. 10.11%
- d. 10.12 g

100. The ratio of the sides of the base of a right triangular prism is 8 : 15 : 17. If the height of the prism is 21 cm and the sum of the areas of the lateral faces is 840 cm^2 , find the volume of the prism in cubic centimetres. (+1, -0.33)

- a. 1200
- b. 1260

c. 1240

d. 1280

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