



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 (2-Nov-2018) (Shift 1)

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. Five letters below are marked respectively as (a), (b), (c), (d) and (e). Four of them have some kind of similarity while one letter is different from the other four. Select the different letter: (+1, -0.33)

B	Y	F	Z	A
a	b	c	d	e

- a. a
- b. c
- c. e
- d. b

2. On the birthday of which famous personality is National Mathematics Day celebrated in India? (+1, -0.33)

- a. C. V. Raman
- b. M. S. Swaminathan
- c. Srinivasa Ramanujan
- d. A. P. J. Abdul Kalam

3. Which of the following worms causes filariasis? (+1, -0.33)

- a. Earthworm
- b. Threadworm

- c. Filarial worm
 - d. Roundworm
-

4. A road is 23 km, 75 m long. If the municipality plans to plant trees on both sides at intervals of 325 m, how many trees will be planted? (+1, -0.33)

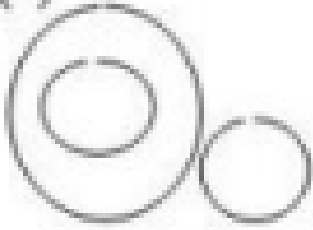
- a. 72
 - b. 146
 - c. 144
 - d. 71
-

5. The author of which book was given the Vyas Samman Award in 2017? (+1, -0.33)

- a. Kshama
 - b. Kaatna Shami Ka Vriksh: Padma-Pankhuri Ki Dhaar Se
 - c. Kaal Kramanusar Adhyayan of Premchand's stories
 - d. Dukhkhram Sukhkhram
-

6. Select the Venn diagram that best represents the relationship between the three classes given in the question: Pen, Stationery, Pencil (+1, -0.33)

(a)



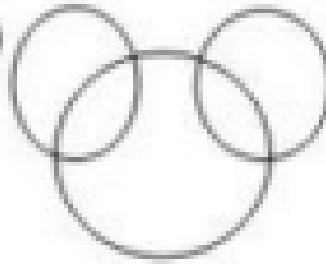
(b)



(c)



(d)



a. c

b. d

c. a

d. b

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7. A person can row a boat at 9 km/h against the current and 14 km/h in the direction of the current. What is his speed in still water? (+1, -0.33)

a. 12.5 km/h

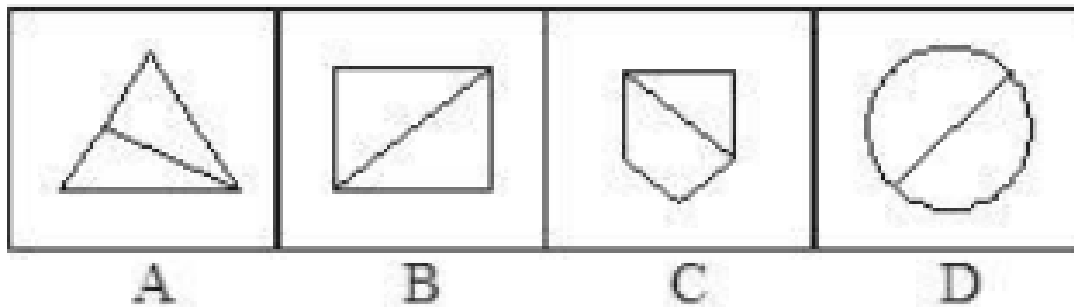
b. 11.5 km/h

c. 10.5 km/h

d. 11.25 km/h

8. Select the figure that is different from the others in the given figures.

(+1, -0.33)



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

9. You are given a question and three statements. State which statement(s) is/are necessary/sufficient to answer the question.

(+1, -0.33)

Question:

Ela has 10 clothes of 3 different colours. State how many green clothes she has.

Statements:

1. There is 1 red cloth.
2. The number of blue clothes is thrice the number of red clothes.
3. The number of green clothes and black clothes is equal.

- a. Only statement 2 is sufficient
- b. Statements 1, 2 and 3 together are sufficient
- c. Only statement 1 is sufficient

d. Statements 1 and 2 together are insufficient

10. In 1830, the _____ system was introduced in parts of present-day western Uttar Pradesh, Madhya Pradesh and Punjab. (+1, -0.33)

- a. Ijaredari system
 - b. Permanent Settlement
 - c. Mahalwari system
 - d. Ryotwari system
-

11. _____ is defined as the quantity of matter present in an object. (+1, -0.33)

- a. Atom
 - b. Molecule
 - c. Weight
 - d. Mass
-

12. Which property of gases makes them portable? (+1, -0.33)

- a. Compressibility
 - b. Shape
 - c. Volume
 - d. Diffusion
-

13. How many national parks are there in Madhya Pradesh? (+1, -0.33)

- a. 10
- b. 6
- c. 8
- d. 4

14. A statement is followed by two arguments. You have to decide which of the arguments is strong in relation to the statement. (+1, -0.33)

Statement:

Should the Alaska State Lottery be banned?

Arguments

- 1. Yes, the government should not promote gambling.
- 2. No, this will lead to a loss of revenue for the government through the lottery.

- a. Only argument 2 is strong
- b. Only argument 1 is strong
- c. Both arguments 1 and 2 are strong
- d. Either argument 1 or argument 2 is strong

15. Who invented the game of basketball? (+1, -0.33)

- a. G. Thomson
- b. Frank Mahan
- c. William Chase

d. Dr. James Naismith

16. Solve:

(+1, -0.33)

$$\frac{\sqrt{4375}}{\sqrt{7}} = ?$$

a. 36

b. 16

c. 25

d. 64

17. Three resistors of 5Ω , 6Ω , 4Ω are connected in series. The total resistance will be _____.

(+1, -0.33)

a. 15Ω -m

b. 10Ω

c. 15Ω

d. 10Ω -m

18. The reciprocal of $(\frac{3}{10} + \frac{8}{15})$ is:

(+1, -0.33)

a. $\frac{11}{10}$

b. $\frac{6}{5}$

c. $\frac{3}{15}$

d. $\frac{11}{15}$

19. Ballistic missiles fail due to inaccuracy in which of the following? (+1, -0.33)

- a. Launch angle
- b. Its shape
- c. Metal
- d. Air resistance

20. A body of mass 50 kg is moving with a constant velocity of 6 ms^{-1} . Calculate its momentum. (+1, -0.33)

- a. 30 kg ms^{-2}
- b. 30 kg ms^{-1}
- c. 300 kg ms^{-1}
- d. 300 kg ms^{-2}

21. Which Indian player won the Sir Garfield Sobers Trophy for ICC Cricketer of the Year 2016? (+1, -0.33)

- a. R. Ashwin
- b. Rohit Sharma
- c. Ken Richardson
- d. Steven Smith

22. What day was 29 March 2008? (+1, -0.33)

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

23. Read the following information carefully and answer the question below. (+1, -0.33)

Smita is older than Manisha. Dhanya is older than Manisha but younger than Smita. Karunya is younger than Ramya and Manisha. Manisha is older than Ramya.

Who among these five is exactly in the middle in age?

- a. Ramya
 - b. Karunya
 - c. Dhanya
 - d. Manisha
-

24. Man is related to mammals as snake is related to _____. (+1, -0.33)

- a. Animals
 - b. Insects
 - c. Reptiles
 - d. Amphibians
-

25. An article purchased for ₹ 2275 was sold at a profit of 8%. What was the selling price of the article? (+1, -0.33)

- a. ₹ 2,457
- b. ₹ 2,443
- c. ₹ 2,093
- d. ₹ 2,453

26. A publisher fixed the selling price of a book at ₹260 by adding 30% to its production cost. However, he offers a 12% discount on the selling price to sell the book. What will be the profit percentage? (+1, -0.33)

- a. 13.7
- b. 14.4
- c. 13.4
- d. 12.87

27. A solid cylindrical metal of diameter 14 cm and height 15 cm is melted to make a solid wire of length 60 m. Find the diameter of the wire. (+1, -0.33)

- a. 7 mm
- b. 14 mm
- c. 35 mm
- d. 3.5 mm

28. Work does not depend on which of the following? (+1, -0.33)

- a. Angle between F and s

- b. Momentum
- c. Displacement (s)
- d. Force (F)

29. If 90% of y is x, then y will be what percent of x? (+1, -0.33)

- a. 111.1
- b. 101.1
- c. 11.1
- d. 121.11

30. Consider the given statement and decide which of the given assumptions is/are implicit in the statement. (+1, -0.33)

Statement:

Moral conduct should be taught from childhood.

Assumptions:

I. Childhood is the appropriate age for moral education.

II. Children do not accept ideas at older ages.

- a. Only assumption I is implicit
- b. Only assumption II is implicit
- c. Either assumption I or II is implicit
- d. Both assumptions I and II are implicit

31. If $x + y + z = \pi$, $\tan x \tan z = 2$ and $\tan y \tan z = 18$, find $\tan^2 z$. (+1, -0.33)

- a. 19
 - b. 15
 - c. 16
 - d. 20
-

32. On which day did the Constituent Assembly adopt the National Flag of India? (+1, -0.33)

- a. 26 January 1947
 - b. 15 August 1947
 - c. 22 July 1947
 - d. 26 November 1950
-

33. Pipe A can empty a full tank in 32 hours, while pipe B can fill the same empty tank in 40 hours. If pipes A and B are opened alternately for one hour each starting from a full tank, how long will it take for the tank to empty? (+1, -0.33)

- a. 320 hours
 - b. 319 hours
 - c. 315 hours
 - d. 311 hours
-

34. Read the given question and decide which of the following statements is sufficient to answer. (+1, -0.33)

Question:

Which of the bags M, N, O and Q is the heaviest?

Statements:

1. M is the lightest.
2. The weight of Q is three times the weight of both N and O.

- a. Both statements 1 and 2 together are sufficient
- b. Only statement 2 is sufficient
- c. Both statements 1 and 2 together are not sufficient
- d. Only statement 1 is sufficient

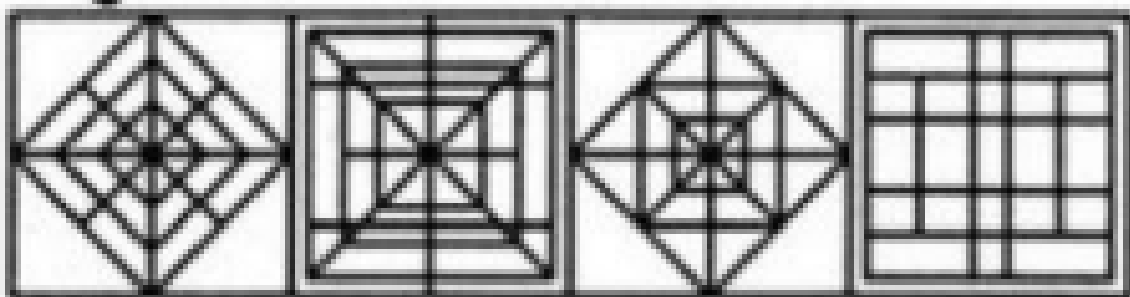
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35. The above figure is embedded in one of the following four figures. The figure in which the above figure is embedded is:

(+1, -0.33)



A

B

C

D

a. D

b. A

c. C

d. B

36. Find the missing number in the following series:

(+1, -0.33)

1, 3, 6, 10, __, 21, 28

a. 15

b. 16

c. 12

d. 18

37. 1 kWh = _____ J

(+1, -0.33)

a. 36×10^6

b. 26×10^6

c. 3.6×10^6

d. 6.6×10^6

38. Under which Article of the Indian Constitution is the right to hoist the National Flag guaranteed? (+1, -0.33)

a. Article 19 (1)

b. Article 18 (1)

c. Article 20 (1)

d. Article 21 (1)

39. When 1 is added to the square root of a positive fraction, the answer obtained is $3\frac{1}{4}$. The original fraction is: (+1, -0.33)

a. $6\frac{1}{4}$

b. $5\frac{1}{16}$

c. $2\frac{1}{4}$

d. $3\frac{1}{16}$

40. _____ is not a plant hormone. (+1, -0.33)

a. Auxin

b. Adrenaline

c. Gibberellin

d. Absciscic acid

41. a_aab_ab_ab_ (+1, -0.33)

Based on the above sequence choose the missing terms:

a. baaa

b. baba

c. abab

d. abba

42. In a code language, GEL is written as 202215. What is the code for KITE? (+1, -0.33)

a. 1618723

b. 1718722

c. 1617722

d. 1618722

43. _____ can be reproduced by fragmentation. (+1, -0.33)

a. Spirogyra

b. Hydra

c. Yeast

d. Planaria

44. 100 students in a college appeared for missed exams. Of them, 15 took exams 1 and 2, 20 took exams 1 and 3, and 15 took exams 3 and 2. The number of students who took only exam 1, only exam 2 and only exam 3 was 20 each. How many students took all three exams? (+1, -0.33)

- a. 5
- b. 4
- c. 3
- d. 2

45. In the modern periodic table, which period has 32 elements? (+1, -0.33)

- a. Period 6
- b. Period 4
- c. Period 5
- d. Period 3

46. A ladder 50 decimetres long, leaning against a house wall at a certain angle, just reaches a window. If the window is 48 decimetres above the ground, find the distance between the base of the ladder and the wall. (+1, -0.33)

- a. 11 decimetres
- b. 10 decimetres
- c. 14 decimetres
- d. 16 decimetres

47. Which of the following metals catches fire immediately when kept in the open? (+1, -0.33)

- a. Lead and silver
- b. Gold and silver
- c. Sodium and potassium
- d. Magnesium

48. Vandana and Krishna were walking in opposite directions. If Vandana was walking towards the South-East then in which direction was Krishna walking? (+1, -0.33)

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

49. Select the option that has the same relationship with the third word as the second word has with the first. (+1, -0.33)

Pay : Receive :: Wash :

- a. Soil
- b. Drench
- c. Neat
- d. Clean

50. Match the following:

(+1, -0.33)

A) Phosphorus	I. Diatomic
B) Atomicity	II. 4
C) Ozone	III. Triatomic
D) Oxygen	IV. Tetratomic

a. A-IV, B-II, C-III, D-I

b. A-I, B-II, C-III, D-IV

c. A-II, B-IV, C-III, D-I

d. A-IV, B-II, C-III, D-I

51. Which could be the next figure?

(+1, -0.33)

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

52. According to the World Bank's 2018 Ease of Doing Business report, India's ranking has improved from 130th in 2016 to _____ in 2017. (+1, -0.33)

- a. 125
 - b. 102
 - c. 100
 - d. 101
-

53. Which of the following can be compared to soldiers? (+1, -0.33)

- a. Red blood cells
 - b. Platelets
 - c. Plasma
 - d. White blood cells
-

54. The term 'loan waiver' is related to which of the following? (+1, -0.33)

- a. Education
 - b. Industry
 - c. Technology
 - d. Agriculture
-

55. _____ started the Indian Civil Services in 1793. (+1, -0.33)

- a. Robert Clive
- b. Lord Cornwallis
- c. Lord Hardinge
- d. Sir John Shore

56. Some physical quantities are specified with direction along with magnitude to describe their physical properties. Such a physical quantity is called _____. (+1, -0.33)

- a. Bi-vector
- b. Scalar
- c. Vector
- d. Bi-scalar

57. Given below are two statements followed by two conclusions I and II. You have to assume the statements to be true even if they seem at variance from commonly known facts. Decide which of the conclusions follows. (+1, -0.33)

Statements:

- 1) Some peacocks are sparrows.
- 2) Some sparrows are not crows.

Conclusions:

- I) Some sparrows are peacocks.
- II) Some crows are peacocks.

- a. Only conclusion I follows
- b. Neither conclusion I nor II follows
- c. Both conclusions I and II follow

d. Only conclusion II follows

58. Read the given statements and conclusion carefully and determine whether the conclusion is true or false. (+1, -0.33)

Statement:

I. Some students are weak in English.

II. All those who are weak in English are singers.

Conclusion:

Some singers are weak in English

a. Probably true

b. Definitely true

c. Definitely false

d. Inconsistent

59. Find the missing numbers in the series: (+1, -0.33)

11, 13, 17, __, __, 29, 31, 37, 41

a. 15, 16

b. 19, 21

c. 19, 23

d. 15, 19

60. If $\sec \theta + \tan \theta = 2.5$, then what is the value of $\sec \theta - \tan \theta$? (+1, -0.33)

a. 0.6

b. 1

c. 0.8

d. 0.4

-
61. Consider the statement and following assumptions and decide which assumption is implicit in the statement. (+1, -0.33)

Statement:

The doctor warned the patient that if he wants to live a healthy life and be free from lung disease, he must quit smoking.

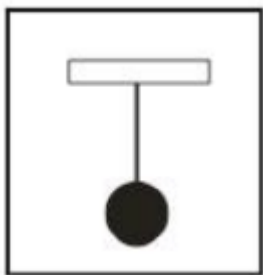
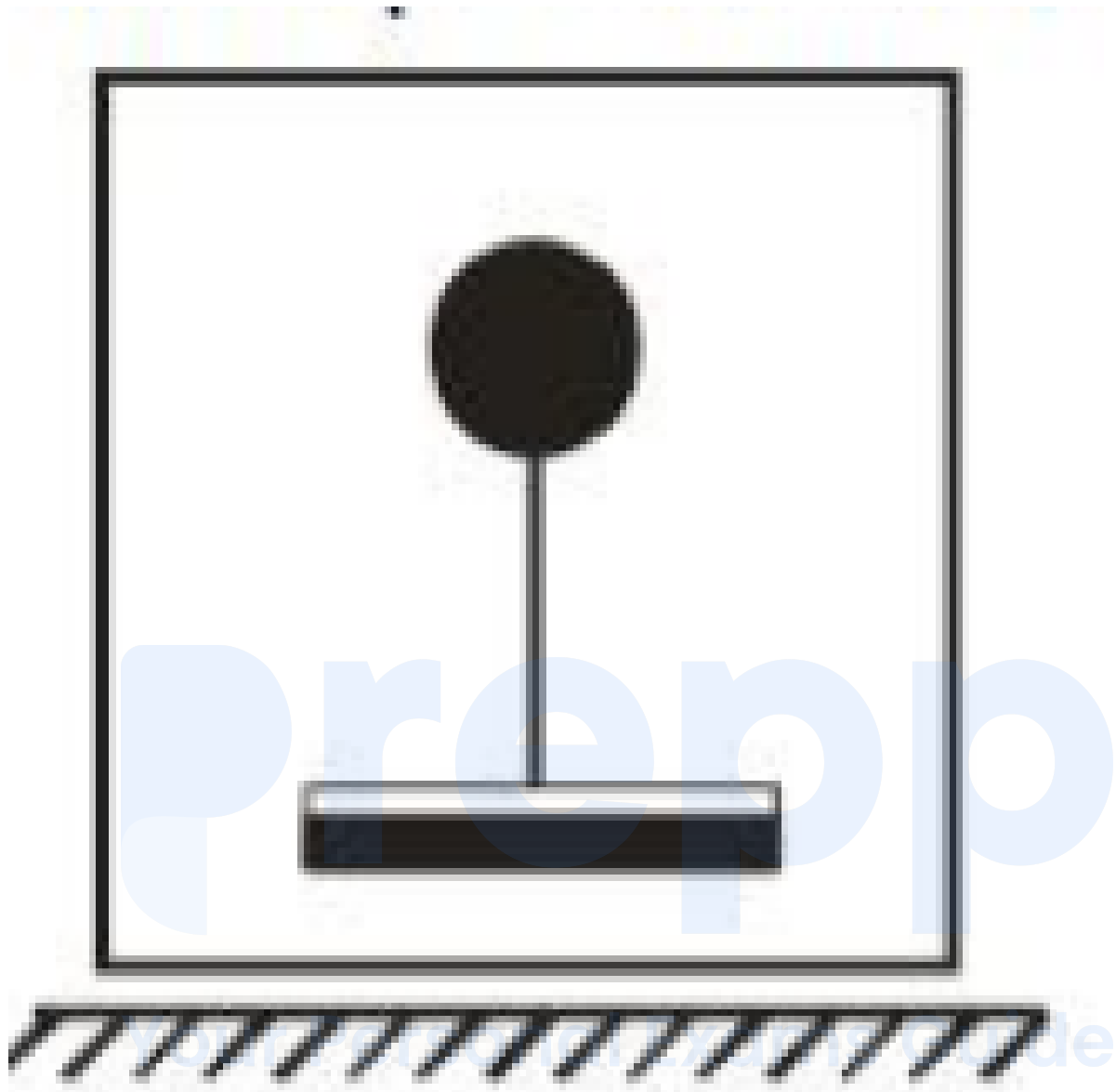
Assumptions:

I. If the patient cooperates, the doctor will be able to cure his illness.

II. The patient can heed the doctor's advice and quit smoking.

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

-
62. Select the mirror image of the figure given below- (+1, -0.33)



a.



b.



c.



d.

63. Milkha Singh's son Jeev Milkha Singh is associated with which sport? (+1, -0.33)

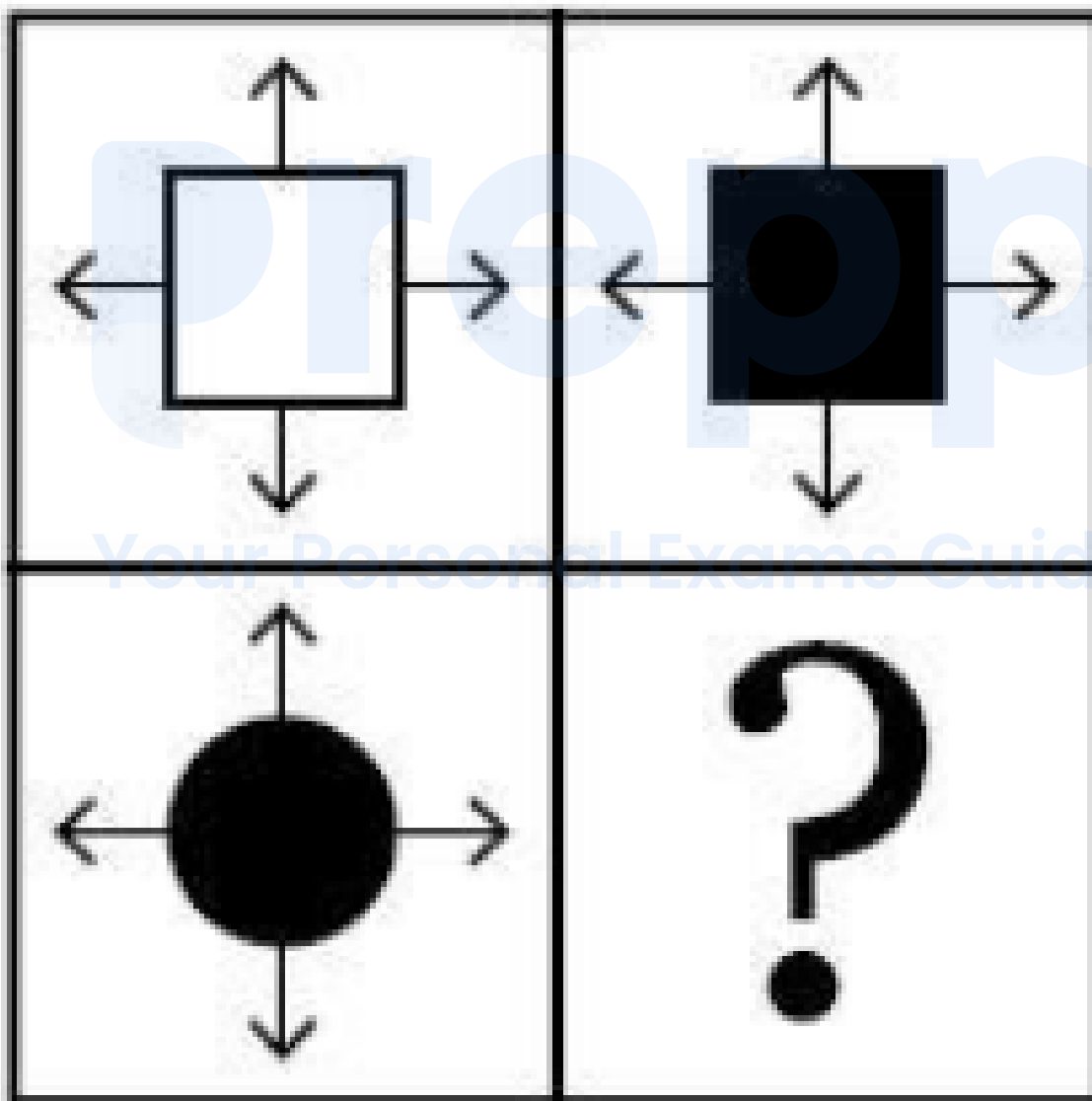
- a. Hockey
- b. Volleyball
- c. Golf
- d. Polo

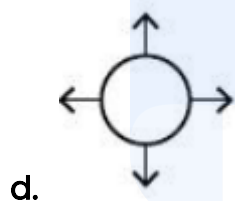
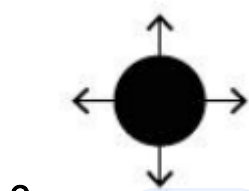
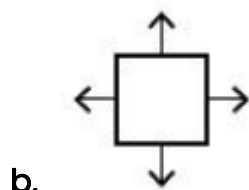
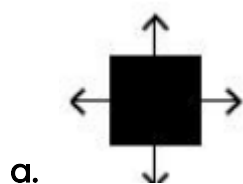
64. Which of the following pair of tissues constitutes the vascular bundle? (+1, -0.33)

- a. Xylem and phloem
- b. Sclerenchyma and xylem
- c. Parenchyma and collenchyma
- d. Sclerenchyma and phloem

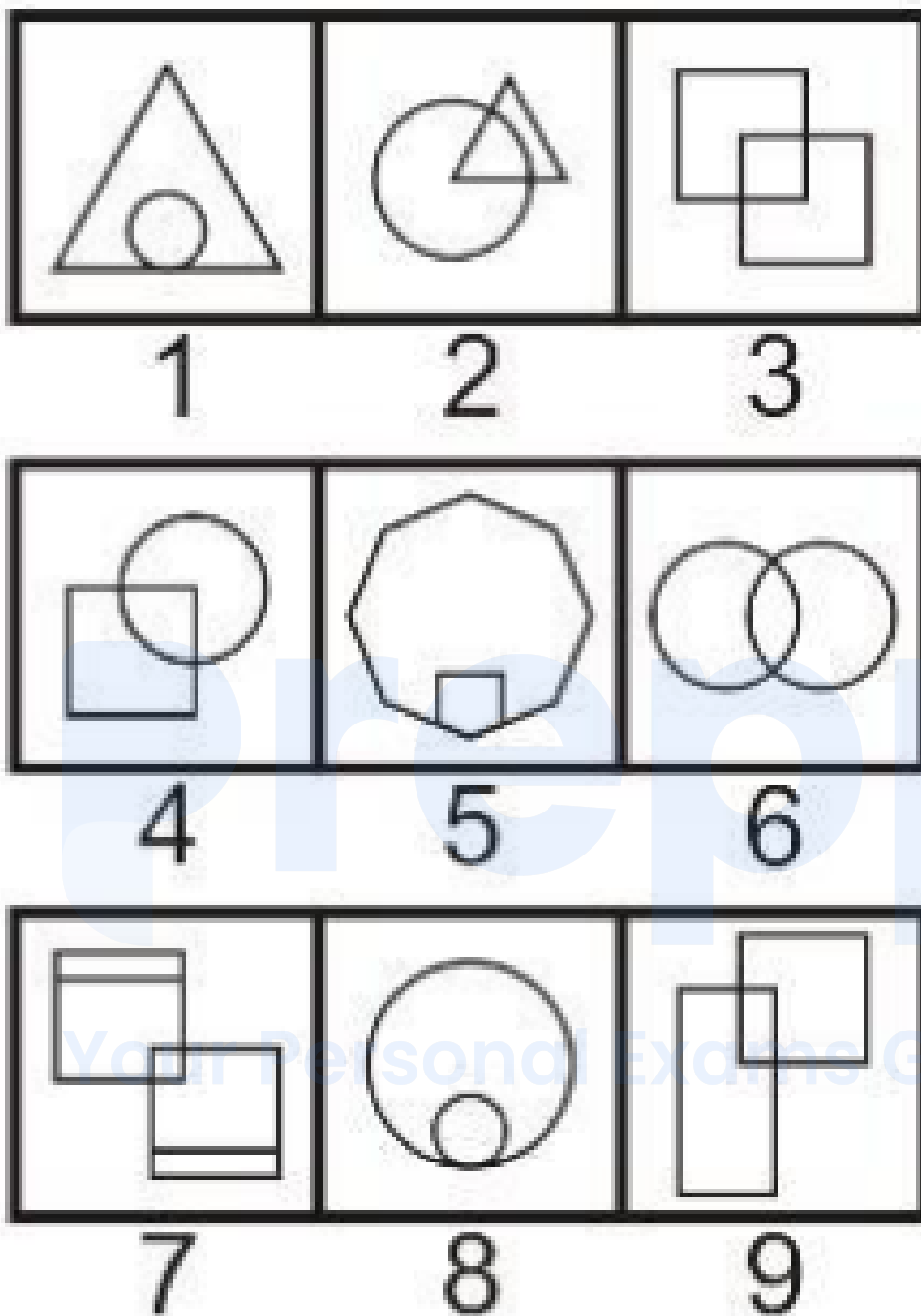
65. Which figure will appear in place of the '?' below?

(+1, -0.33)





66. From the above group select the option that represents figures of the same shape. (+1, -0.33)



- a. 1, 8, 5 ; 7, 6, 3 ; 4, 2, 9
- b. 1, 2, 8 ; 5, 6, 4 ; 3, 7, 9
- c. 1, 8, 5 ; 5, 6, 3 ; 4, 7, 9

d. 1, 2, 5 ; 8, 6, 4 ; 2, 7, 9

67. If a steel rod of length $40\frac{2}{5}$ is cut to obtain a rod of length $20\frac{4}{15}$, then the remaining length of the rod is: (+1, -0.33)

a. $19\frac{9}{15}$

b. $19\frac{7}{15}$

c. $19\frac{13}{15}$

d. $19\frac{14}{15}$

68. Which of the following films was awarded the National Film Award for Best Animated Film in the year 2016? (+1, -0.33)

a. Mahayoddha Ram

b. Motu Patlu: King of Kings

c. Sarvagunakar Srimant Shankardev

d. Chhota Bheem: Himalayan Adventures

69. A battery lights a bulb. What type of energy conversion takes place in this process? (+1, -0.33)

a. Electrical energy is converted to light energy.

b. Chemical energy is converted to electrical energy.

c. Electrical energy is converted to chemical energy.

d. Electrical energy is converted to thermal energy.

70. The largest 4-digit number X divisible by 18, 15 and 12 is: (+1, -0.33)

- a. 9989
- b. 9980
- c. 9999
- d. 9900

71. In economics which term is used for the minimum interest rate of a bank below which it cannot lend? (+1, -0.33)

- a. Reserved rate
- b. Prime Lending Rate
- c. Base Rate
- d. Marginal Rate

72. Which of the two conclusions follows from the given statements? (+1, -0.33)

Statements:

Some bags are wallets.

Some wallets are trolleys.

Conclusions:

1. Some bags are trolleys.

2. All wallets are trolleys.

- a. Only 1 follows
- b. Only 2 follows
- c. Neither conclusion 1 nor 2 follows

d. Both conclusions 1 and 2 follow

73. Find the value of $\sqrt{72 - \sqrt{72 - \sqrt{72 - \sqrt{\dots}}}}$? (+1, -0.33)

- a. 8
- b. $\sqrt{72}$
- c. 9
- d. 8.8

74. In March 2018, Maharashtra's first Mega Food Park was inaugurated in (+1, -0.33)

-
- a. Chandrapur
 - b. Nashik
 - c. Satara
 - d. Kolhapur

75. Which of the following is used as an ingredient of antacids? (+1, -0.33)

- a. Common salt
 - b. Calcium sulphate
 - c. Sodium hydrogen carbonate
 - d. Sodium carbonate
-

76. Which of the following statements is incorrect?

(+1, -0.33)

- a. The weight of an object is minimum at the poles and maximum at the equator.
- b. The weight of an object decreases when taken to a greater height.
- c. The weight of an object is maximum at the poles and minimum at the equator.
- d. The weight of an object is zero at the centre of the Earth.

77. A takes twice as long to do a piece of work as B and C together, and C takes three times as long as A and B together. If A, B and C together complete the work in 6 days, in how many days will A alone complete the same work?

(+1, -0.33)

- a. 24 days
- b. 18 days
- c. 20 days
- d. 15 days

78. To dispose of old stock, a person sold a tea-set at ₹2,565, which was 43% less than its cost price. To gain a 12% profit, the seller should have sold the set at ₹_____ more.

(+1, -0.33)

- a. 2,575
- b. 2,365
- c. 2,475

d. 2,525

79. An old car was bought for ₹4 lakh and sold at 20% profit. Find the selling price of the car (in ₹). (+1, -0.33)

a. 5,00,000

b. 4,50,000

c. 4,80,000

d. 4,72,000

80. If QUIZ = 73 and JOCK = 39, then FUJI is equal to what? (+1, -0.33)

a. 47

b. 45

c. 44

d. 46

81. At a given temperature air pressure is proportional to _____. (+1, -0.33)

a. Distance

b. Density

c. Volume

d. Velocity

82. 20% of a smaller number is added to 25% of a larger number, and the result is 23% of the sum of the two numbers. The larger number is 4 more than the smaller. Find the numbers. (+1, -0.33)

- a. 12, 16
- b. 10, 14
- c. 6, 10
- d. 8, 12

83. Who wrote the book 'Gita Govindam' during medieval India? (+1, -0.33)

- a. Meera Bai
- b. Jayadeva
- c. Tulsidas
- d. Kabir

84. If $\tan \theta + \cot \theta = 4$, then find the value of $\tan^2 \theta + \cot^2 \theta$. (+1, -0.33)

- a. 16
- b. 12
- c. 15
- d. 14

85. Variation is _____. (+1, -0.33)

- a. All of the above
 - b. differences among individuals of the same species
 - c. differences among offspring of the same parents
 - d. differences between parents and offspring
-

86. Who was the first Chief Election Commissioner of India? (+1, -0.33)

- a. R. K. Trivedi
 - b. T. N. Seshan
 - c. Kalyan Sundaram
 - d. Sukumar Sen
-

87. What is the sum of the first 2009 terms of the sequence 1, 2, 3, 4, 1, 2, 3, 4, ...? (+1, -0.33)

- a. 5221
 - b. 5017
 - c. 5023
 - d. 5021
-

88. Find the difference between the compound interest and simple interest on ₹400 at 5% per annum for 2 years. (+1, -0.33)

- a. ₹10

b. ₹4

c. ₹3

d. ₹1

89. Which of the following elements is not a reducing agent? (+1, -0.33)

a. Sodium

b. Chlorine

c. Zinc

d. Coke

90. Arun Shourie is the author of which of the following books? (+1, -0.33)

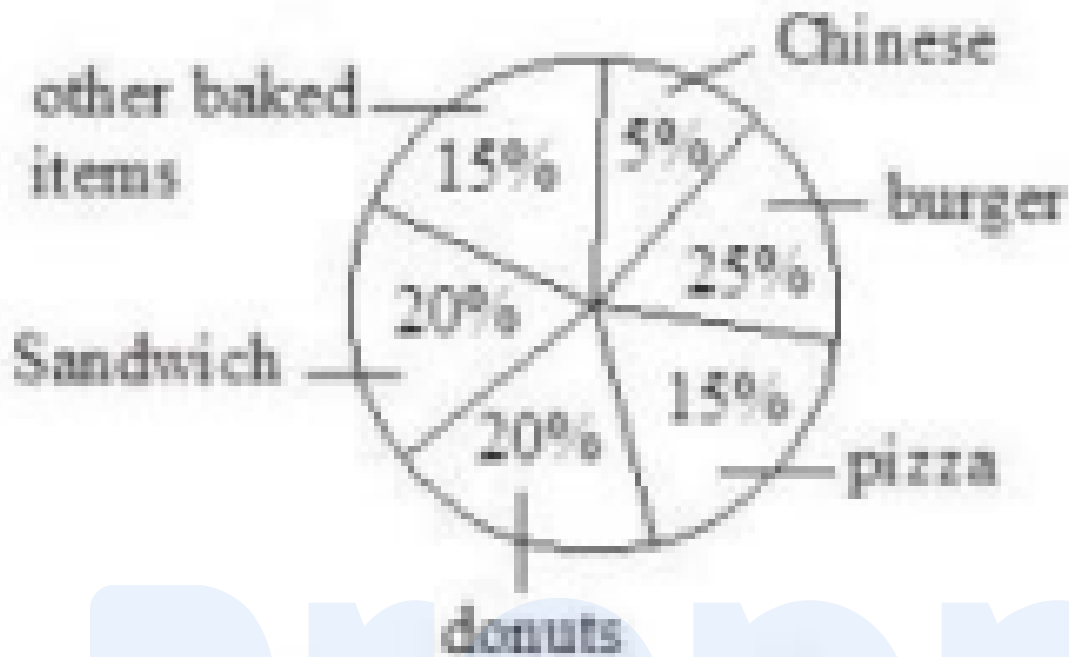
a. Anita Gets a Life

b. Anita Gets Bail

c. Anita Gets the Ball

d. Anita Gets Bale

91. The pie chart below shows the sales information of various types of food items by restaurant 'XYZ'. (+1, -0.33)



The total revenue received by the restaurant in November 2017 was 35 lakh.

How much revenue was received by 'XYZ' restaurant through the sale of Pizza in November 2017?

- a. 5.25 lakh
- b. 6.25 lakh
- c. 5 lakh
- d. 6 lakh

92. What will be the ratio of gravity at depth h below the Earth's surface and at height h above the Earth's surface, where $h \ll R$ (R is Earth's radius): (+1, -0.33)

- a. remains constant
- b. decreases
- c. increases linearly with h
- d. increases parabolically with h

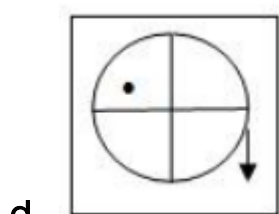
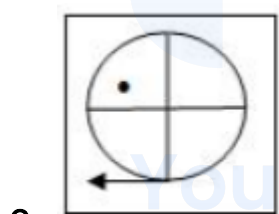
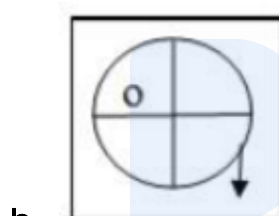
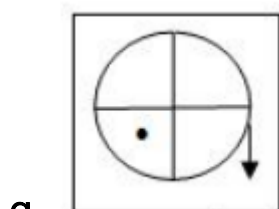
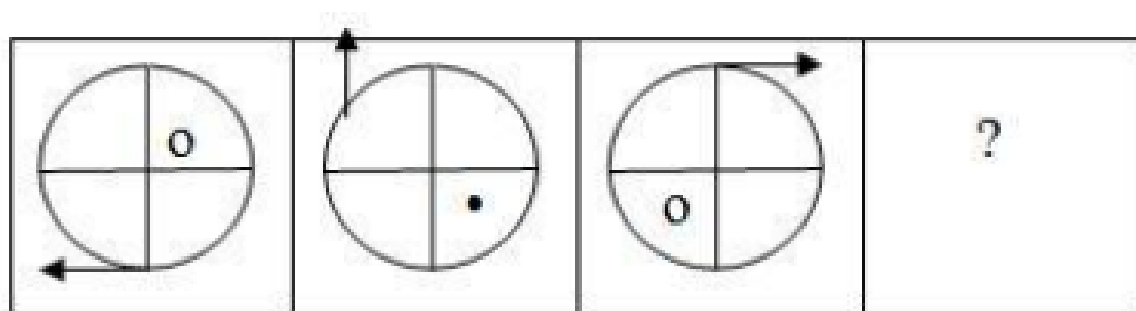
93. A famous book 'Play with Graphs' has 465 pages. If $\frac{4}{5}$ of its pages contain diagrams and $\frac{2}{3}$ of the remaining pages contain original text, find the number of pages that contain original text. (+1, -0.33)

- a. 52
- b. 62
- c. 71
- d. 42

94. The Somnath temple is located on the western coast of _____ in India. (+1, -0.33)

- a. Gujarat
- b. Maharashtra
- c. Kerala
- d. Goa

95. Find the missing figure in place of the blank space (?) above from the options given below. (+1, -0.33)



96. An object has energy of 1500 J and its mass is 15 kg. Find the height of the object above the ground. (Given $g = 10 \text{ ms}^{-2}$) (+1, -0.33)

a. 10 Pa

- b. 10 N
 - c. 10 cm
 - d. 10 m
-

97. Digital media is also called _____. (+1, -0.33)

- a. Primary medium
 - b. Fourth medium
 - c. Second medium
 - d. Third medium
-

98. $\text{LCM} \times \text{HCF} =$ (+1, -0.33)

- a. Subtraction of 2 numbers
 - b. Sum of 2 numbers
 - c. Product of 2 numbers
 - d. Division of 2 numbers
-

99. The ionisation energy of nitrogen is greater than that of oxygen due to _____. (+1, -0.33)

- a. extra stability of half-filled p-orbitals.
- b. greater attraction of electrons by the nucleus.
- c. higher penetration effect.

d. smaller size of nitrogen.

100. Which Venn diagram correctly represents the relationship between the classes given below? (+1, -0.33)

- A) Water
- B) Mountain
- C) Dam

