



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 (25-Sep-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.

Your Personal Exams Guide

Test

1. What is the name of Debanjan Nandy's animation film whose theme is 'an old man's emotional attachment to the shadow of his wife'? (+1, -0.33)
 - a. My Shadow
 - b. Old Shadow
 - c. Wherever I Go, You Come With Me
 - d. Chhaya

2. Of three pipes, the first two can fill an empty tank in 10.8 hours and 21.6 hours respectively, while the third pipe can empty a full tank in 18 hours. If the tank is empty and all three pipes are opened together, in how many hours will the tank be filled? (+1, -0.33)
 - a. 12
 - b. 13.2
 - c. 15.6
 - d. 14.4

3. _____ are electropositive in nature. (+1, -0.33)
 - a. Non-metals
 - b. Semi-metals
 - c. Metalloids
 - d. Metals

4. In a group there are 10 boys and 10 girls. After adding some boys to this group, the percentage of girls becomes 10%. How many boys were added? (+1, -0.33)

- a. 5
- b. 10
- c. 80
- d. 6

5. 'Right to Privacy' is an integral part of which of the following sections of the Constitution of India? (+1, -0.33)

- a. Fundamental Rights
- b. Directive Principles
- c. Citizenship
- d. Fundamental Duties

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

- A. Wet soil
 - B. Clay
 - C. Earth
 - D. Plastic
-
- a. D
 - b. C

c. A

d. B

7. To accelerate the Government's disinvestment programme, the Union Finance Ministry launched a second exchange-traded fund by the name ----- (+1, -0.33)

a. Bharat 24

b. Bharat 2022

c. Bharat 22

d. Bharat 20

8. The phloem in the plants does the function of: (+1, -0.33)

a. Mineral movement

b. Conduction of water

c. Conduction of food

d. Providing support to stem

9. A 162 m long train crosses a platform in 44 seconds at a speed of 54 km/hr. What will be the length of the platform? (+1, -0.33)

a. 498 m

b. 660 m

c. 822 m

d. 540 m

10. The product of mass and velocity is called: (+1, -0.33)

- a. Momentum
 - b. Force
 - c. Pressure
 - d. Thrust
-

11. The energy stored in a 10 kg object located 6 m above the ground is (g = 9.8 ms⁻²). (+1, -0.33)

- a. 588 J
 - b. 5,880 J
 - c. 5.88 J
 - d. 58.8 J
-

12. A number is divided in the ratio 9 : 5. When 8 is added to each of the parts, the ratio becomes 5 : 3. Which of the two is the greater number? (+1, -0.33)

- a. 81
 - b. 69
 - c. 80
 - d. 72
-

13. A rhombus whose perimeter equals that of the rectangle and one of whose angles measures 60° is reconstructed from a rectangle of sides 12 cm and 4 cm. What will be the area of the rhombus so formed, in cm^2 ? (+1, -0.33)

a. $24\sqrt{3}$
 b. $16\sqrt{3}$
 c. $32\sqrt{3}$
 d. $8\sqrt{3}$

14. In a 12 V battery, resistors of 0.2 ohm, 0.3 ohm, 0.4 ohm, 0.5 ohm and 12 ohm are connected together in series. How much current will flow through the 0.3 ohm resistor? (+1, -0.33)

a. 0.798 A
 b. 0.895 A
 c. 0.879 A
 d. 0.795 A

15. What will be the next term in the following series? (+1, -0.33)

22P, 2Z, 24Q, 4Y, 26R, _____?

a. 6S
 b. 24X
 c. 6X
 d. 24S

16. The simplest form of $\frac{273}{195}$ is: (+1, -0.33)

- a. $\frac{91}{65}$
- b. $\frac{14}{10}$
- c. $\frac{28}{20}$
- d. $\frac{7}{5}$

17. The mass of 0.6 mole of nitrogen is: (+1, -0.33)

- a. 0.168 g
- b. 168 g
- c. 1.68 g
- d. 16.8 g

18. _____ was constituted by the Central Government with a view to mobilising resources from the government as well as non-governmental sources, including the private/corporate sector and non-resident Indians, for promotion of sports and games in India. (+1, -0.33)

- a. Khel Ratna Fund
- b. Indian Sports Development Fund
- c. Khelo India Fund
- d. National Sports Development Fund

19. Read the question and both statements given below.

(+1, -0.33)

Question:

There are 5 crates in a vegetable shop and all have equal weight. What is their total weight?

Statements:

1. One-fourth of a crate's weight is 4 kg
2. The crates are filled with mangoes and apples

Which of the statements is sufficient to answer the given question?

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

20. When a natural number is divided by 5, 6, 7 or 8, in each case the remainder is 4. Arranging such numbers in ascending order, which is the second number?

(+1, -0.33)

- a. 1264
- b. 1688
- c. 1684
- d. 844

21. What will be the lateral mirror image of B62C34?

(+1, -0.33)

B62C34	4ECS28	B85C34	B62C34
A	B	C	D

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

22. Akshay borrows ₹3000 at a simple interest rate of 6% per annum for 2 years and lends the same amount to his friend at a simple interest rate of 9% per annum for 2 years. How much profit will Akshay make in one year? (+1, -0.33)

- a. ₹ 180
- b. ₹ 90
- c. ₹ 120
- d. ₹ 150

23. Who among the following formulates the monetary policy of the Government of India? (+1, -0.33)

- a. Prime minister
- b. Finance minister

- c. Governor of RBI
 - d. President
-

24. The pH value of a neutral solution is: (+1, -0.33)

- a. 6
 - b. 7
 - c. 4
 - d. 5
-

25. The product of mass and acceleration = ----- (+1, -0.33)

- a. Velocity
 - b. Force
 - c. Pressure
 - d. Thrust
-

26. In 2017, which state police launched the 'Taare Zameen Par' programme to make children in Naxal-affected areas aware? (+1, -0.33)

- a. Uttar Pradesh
- b. Karnataka
- c. Delhi
- d. Jharkhand

27. In the modern periodic table, the zig-zag lines separate _____. (+1, -0.33)

- a. halogens from metals
- b. non-metals from metals
- c. metalloids from metals
- d. metalloids from non-metals

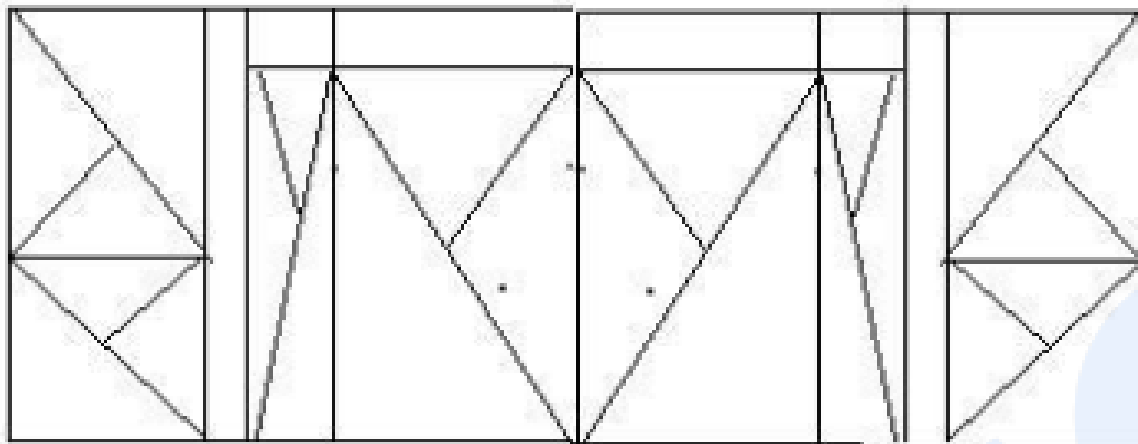
28. On 27 October 1605, _____ died at Fatehpur Sikri and was buried at Sikandra, Agra. (+1, -0.33)

- a. Emperor Shah Jahan
- b. Empress Mumtaz Mahal
- c. Emperor Akbar
- d. Emperor Humayun

29. The molecular mass of sodium carbonate is _____. (+1, -0.33)

- a. 105
- b. 106
- c. 104
- d. 115

30. How many triangles are there in the following figure? (+1, -0.33)



- a. 35
- b. 32
- c. 34
- d. 24

31. Which Venn diagram correctly represents the relationship between the following classes? (+1, -0.33)

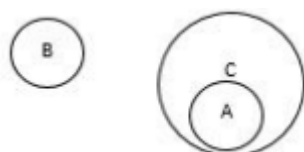
- A) Lion
- B) Pitcher
- C) Forest



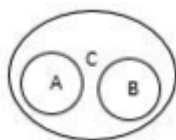
a.



b.



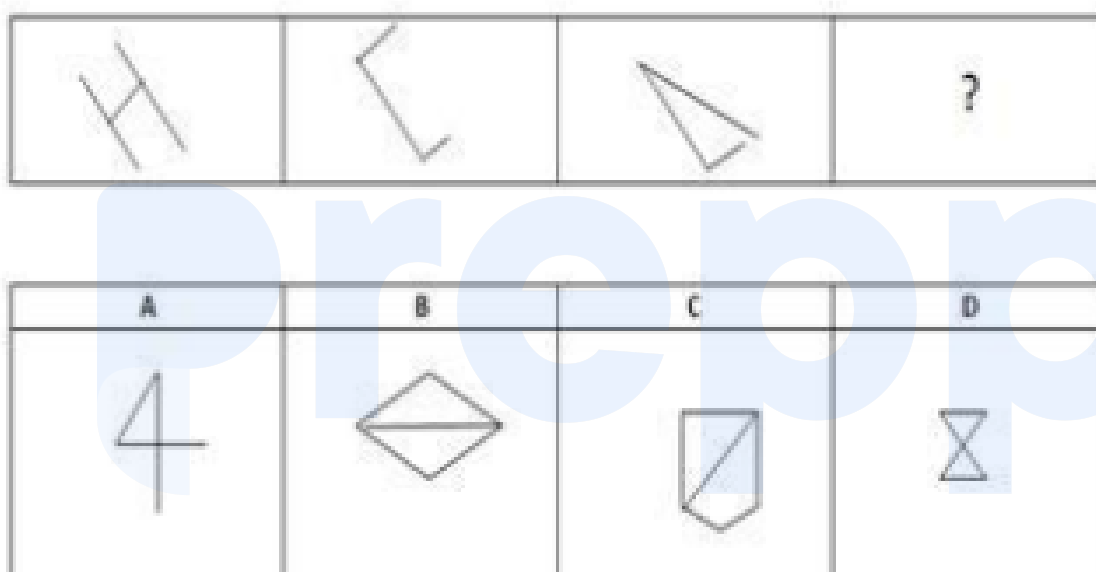
c.



d.

32. Select the option that can replace the question mark (?) in the given figure series.

(+1, -0.33)



a. D

b. B

c. C

d. A

33. Choose the correct option based on the sequences given in I and II.

(+1, -0.33)

i. 5876, 5874, 5873

ii. 9875, 9873, 9872

a. 7654, 7653, 7651

b. 6789, 6788, 6778

c. 5643, 5641, 5642

d. 1238, 1236, 1235

34. What is the angle between the hour hand and the minute hand at 2:12 p.m.? (+1, -0.33)

a. 10°

b. 6°

c. 12°

d. 0°

35. When was the Society for National Institutes of Physical Education and Sports (SNIPES) merged into the Sports Authority of India (SAI)? (+1, -0.33)

a. 1983

b. 1987

c. 1985

d. 1989

36. Supriya is Akhil's sister. How is Akhil's father's mother related to Supriya? (+1, -0.33)

- a. Mother
- b. Grandmother
- c. Sister
- d. Aunt

37. A, B and C together can complete a work in 2 days. If A and B together need 2.4 days to do the same work, and B and C together take 4 days, in how many days will B alone finish the work? (+1, -0.33)

- a. 9
- b. 5
- c. 4.4
- d. 6

38. The _____ divides Indian landmass into almost two equal halves. (+1, -0.33)

- a. Prime Meridian
- b. Equator
- c. Tropic of Capricorn
- d. Tropic of Cancer

39. If α and β are the two roots of the quadratic equation $6x^2 - 5x + 1 = 0$, then the sum of their squares will be: (+1, -0.33)

- a. $\frac{13}{36}$

b. $\frac{13}{26}$

c. $\frac{13}{23}$

d. $\frac{11}{23}$

40. What is the value of $\cos^2 5^\circ + \cos^2 10^\circ + \dots + \cos^2 90^\circ$? (+1, -0.33)

a. 8

b. 4

c. $9\frac{1}{2}$

d. $8\frac{1}{2}$

41. A question is followed by two arguments below. You have to decide which arguments are strong with respect to the statement. (+1, -0.33)

Question:

Should we promote community washing centres?

Arguments:

I. Yes, it will save a lot of resources.

II. No, this concept is still new in India, as people wash their clothes at home.

a. Neither argument I nor argument II is strong

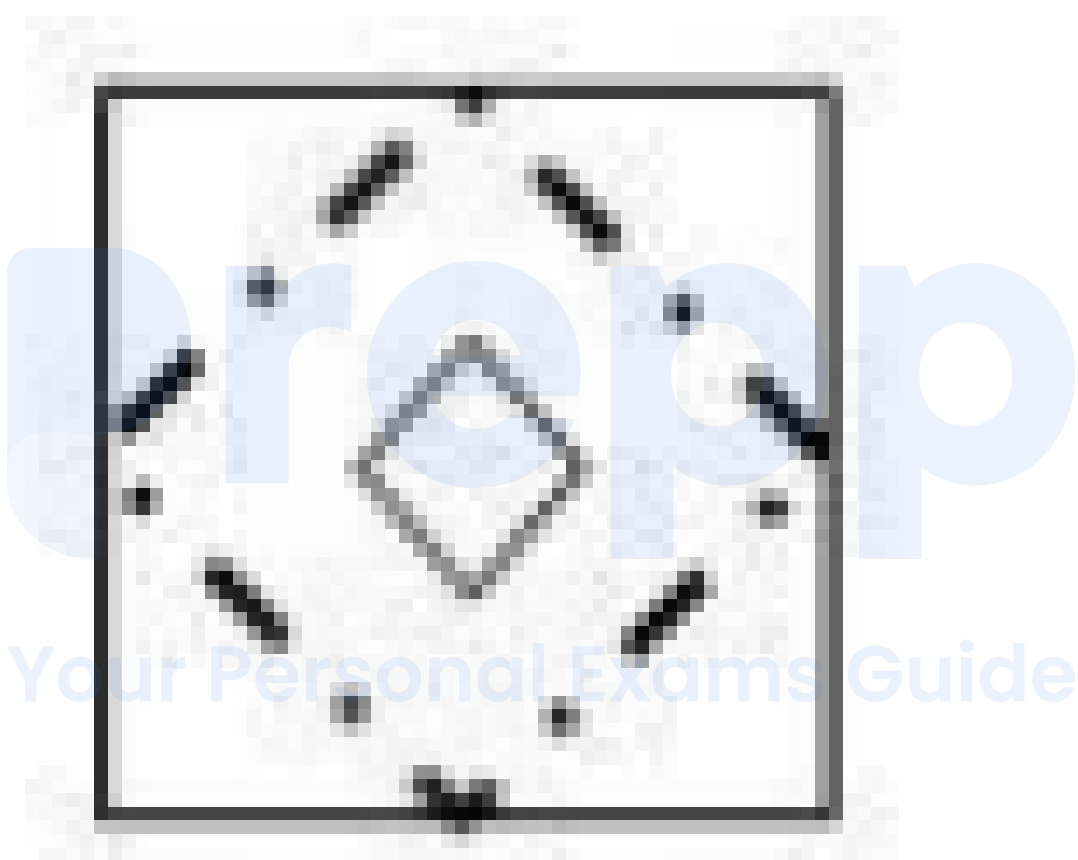
b. Only argument II is strong

c. Both arguments I and II are strong

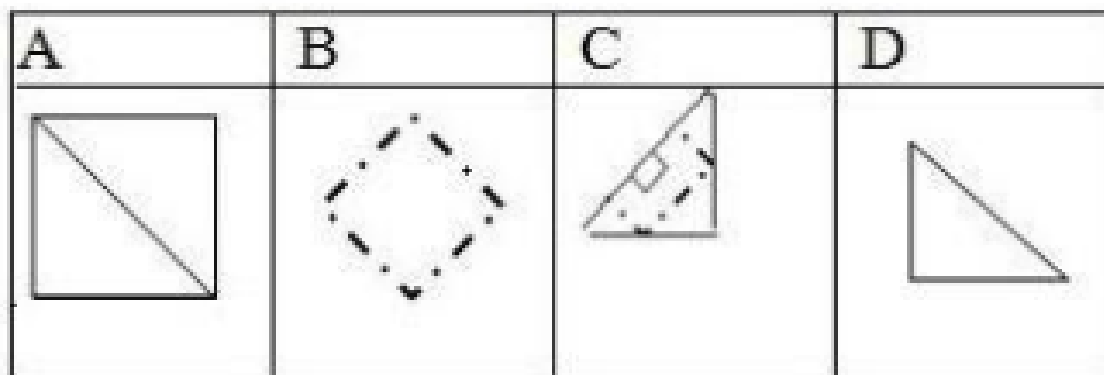
d. Only argument I is strong

42. A given picture printed on a sheet is cut diagonally. Which of the option figures will it look like? (+1, -0.33)

Question figure



Option figure



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

43. Which option figure will come in place of '?' in the given figure series? (+1, -0.33)

Question figure



Option figure

A	B	C	D
$\pi \pi \blacktriangleleft$	$\pi \blacktriangleright \pi$	$\pi \pi \blacktriangleright$	$\pi \blacktriangleright \pi$

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

44. In a code language, if TEEN is written as 205514, then what will be the code for ENTER in the same language? (+1, -0.33)

- a. 51420618
- b. 51520618
- c. 51520518
- d. 51420518

45. Two arguments I and II are given with respect to the statement below. (+1, -0.33)
Considering the statement and arguments, decide which arguments are strong with respect to the statement.

Statement:

Does eating an apple a day keep diseases away?

Arguments:

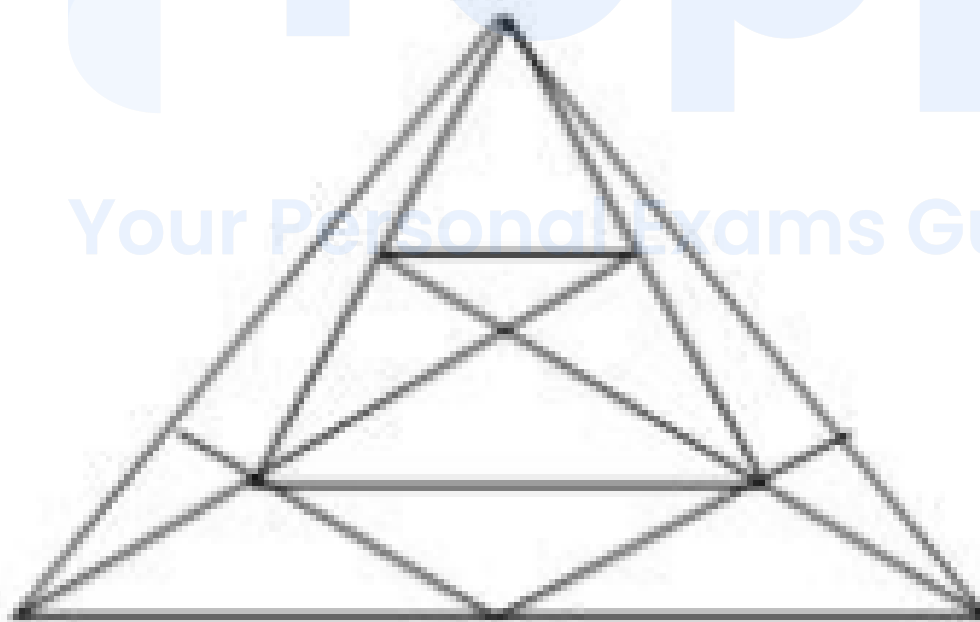
I. Yes, eating an apple daily supplies the body with the necessary nutrients.

II. No, consumption of all types of fruits is essential for healthy physical development.

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

46. How many triangles are there in the following figure?

(+1, -0.33)

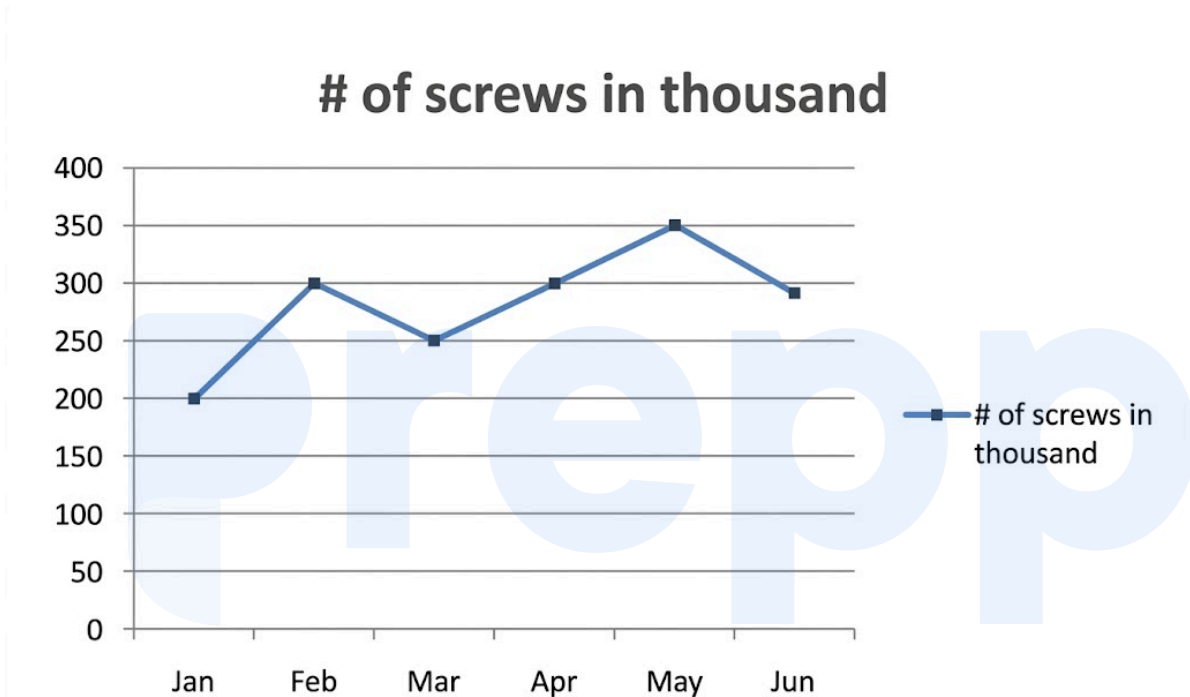


- a. 20
- b. 22

c. 27

d. 21

47. Based on the following chart, in which month were fewer than 250 screws manufactured? (+1, -0.33)



a. January

b. May

c. June

d. February

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

Statement:

Should music therapy be introduced in hospitals?

Arguments:

I. Yes, it has been proved that music has a wholesome effect on the body and mind. It will help patients recover faster.

II. No, it will not help.

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

49. An object travels 20 m in 4 s and then the next 15 m in 2 s. What is the average speed of the object? (+1, -0.33)

- a. 5.84 ms^{-1}
- b. 5.84 m
- c. 5.83 ms^{-1}
- d. 5.84 s^{-1}

50. Vicky is the son of Vinod. Vinod and Vishal are brothers. What is Vicky to Vishal? (+1, -0.33)

- a. Father
- b. Brother
- c. Nephew

d. Maternal uncle

51. Which actor's autobiography is titled as 'Khullam Khulla'? (+1, -0.33)

- a. Raj Kapoor
 - b. Rajiv Kapoor
 - c. Rishi Kapoor
 - d. Ranbir Kapoor
-

52. Who is responsible for the formulation of all-India development policy? (+1, -0.33)

- a. Lok Sabha
 - b. Lok Sabha Speaker
 - c. Rajya Sabha
 - d. Parliament
-

53. Who became the first Indian brand ambassador of Laureus? (+1, -0.33)

- a. John Abraham
 - b. Yuvraj Singh
 - c. Sachin Tendulkar
 - d. Shah Rukh Khan
-

54. The SI unit of pressure is: (+1, -0.33)

- a. Joule
- b. Pascal
- c. Newton
- d. Dyne

55. What is the minimum value of x so that $\frac{55}{x-19}$ becomes an integer? (+1, -0.33)

- a. 74
- b. -36
- c. 30
- d. -14

56. Who is the director of the 2017 released film 'Baahubali-2'? (+1, -0.33)

- a. Rajkumar Hirani
- b. Trivikram Srinivas
- c. S.S. Rajamouli
- d. Sanjay Leela Bhansali

57. $84 \div [-5 + (-4) \text{ of } \{32 \div (-16 \div -2)\}] = ?$ (+1, -0.33)

- a. 1
- b. 2

c. -2

d. -4

58. If ' $<$ ' is treated as ' $-$ ', ' $-$ ' is treated as ' $\times$ ' and ' $\div$ ' is treated as ' $+$ ', what will be the value of $((7 \div 5) - 2) - 5$? (+1, -0.33)

a. 120

b. 125

c. 130

d. 150

59. _____ tissue is made up of a combination of dead cells. (+1, -0.33)

a. Collenchyma

b. Sclerenchyma

c. Parenchyma

d. Aerenchyma

60. Development of a baby inside the mother's body (in case of humans) takes approximately _____ months. (+1, -0.33)

a. 7

b. 10

c. 9

d. 8

61. When was the National Development Council (NDC) established? (+1, -0.33)

- a. 1954
- b. 1952
- c. 1956
- d. 1953

62. Project 'Sashakt' was recently (in July 2018) launched by which Union Minister? (+1, -0.33)

- a. Home Minister
- b. Defence Minister
- c. Finance Minister
- d. Agriculture Minister

63. Which of the following is different from the rest? (+1, -0.33)

A	B	C	D
I3	L4	O7	R6

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

d. A

64. Apart from Virender Sehwag, which of the following Indian cricketers has the honour of scoring a triple century in a Test match? (+1, -0.33)

- a. Karun Nair
 - b. Rahul Dravid
 - c. K.L. Rahul
 - d. Virat Kohli
-

65. What is the study of fossils called? (+1, -0.33)

- a. Palaeobotany
 - b. Palaeobiology
 - c. Palaeontology
 - d. Taxonomy
-

66. Which of the following river does NOT originate in India? (+1, -0.33)

- a. Koel
 - b. Sankh
 - c. Brahmani
 - d. Brahmaputra
-

67. _____ atom has the smallest atomic volume. (+1, -0.33)

- a. Si
- b. P
- c. He
- d. S

68. Illaiyaraja received the _____ award for his contribution to the field of Art-Music in 2018. (+1, -0.33)

- a. Sahitya Akademi
- b. Padma Bhushan
- c. Padma Shri
- d. Padma Vibhushan

69. The ratio of present ages of X and Y is 5:4. Three years from now, the ratio of their ages will become 11:9. What is Y's present age? (+1, -0.33)

- a. 27 years
- b. 26 years
- c. 24 years
- d. 22 years

70. The shape of the path of a free electron in a metal is: (+1, -0.33)

- a. Square
 - b. Straight line
 - c. Curved
 - d. Circular
-

71. The average weight of 25 items is 50 kg. If the weight of another item X is included, the average weight increases by 500 g. What is the weight of item X? (+1, -0.33)

- a. 28 kg
 - b. 36 kg
 - c. 82 kg
 - d. 63 kg
-

72. Which option figure bears the closest resemblance to the question figure? (+1, -0.33)
Question figure



Option figure

A	B	C	D

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

d. C

73. _____ built a network of several rest houses, mosques and roads, of which the Grand Trunk Road is considered the most famous. (+1, -0.33)

- a. Emperor Aurangzeb
- b. Emperor Humayun
- c. Emperor Sher Shah Suri
- d. Emperor Akbar

74. Read the following question and decide which of the statements are sufficient to answer the question? (+1, -0.33)

Question:

Mridula has four shelves and 24 books. She wants to arrange all the books on these shelves. How many books can be kept on the first shelf?

Statements:

- 1. Shelf one can hold twice as many books as shelf two.
- 2. Shelf four can hold 12 books.
- 3. Shelf three can hold only 6 books.

- a. Only statement 2 is sufficient.
- b. Statements 1, 2 and 3 together are sufficient.
- c. Only statement 1 is sufficient.
- d. Neither statement 1 nor statement 2 is sufficient.

75. In a class, the average marks obtained by 18 boys in a test is 16, while the average of all 30 students in the class is 18.1. What is the average marks obtained by the girls? (+1, -0.33)

- a. 20.5
- b. 20.75
- c. 21
- d. 21.25

76. Select the correct statement from the following. (+1, -0.33)

- a. Helium has the maximum ionisation potential
- b. Sc, Fr, Hg, Ga and Br are liquid elements
- c. Cu, Au and As are coinage metals
- d. Scandium is the lightest metal

77. Sound travels fastest in _____. (+1, -0.33)

- a. Air
- b. Water
- c. Steel
- d. Kerosene oil

78. 76% of a number is 95. The number is: (+1, -0.33)

- a. 130
- b. 120
- c. 124
- d. 125

79. Indra and Chandra alone can finish a work in 20 and 80 days respectively. Indra starts the work, works for 3 days and then takes a 5-day leave, during which Chandra continues the work. This pattern continues until the work is completed. How many days will it take in total to complete the work? (+1, -0.33)

- a. $57\frac{1}{2}$
- b. 35
- c. 16
- d. $37\frac{11}{17}$

80. If '>' becomes '+', '<' becomes '-' and '×' becomes '÷', then what will be the value of $((1 > 2 < 3) > 15) \times 10$? (+1, -0.33)

- a. 1
- b. -1.5
- c. 1.5
- d. 0

81. Catalysts are substances that - (+1, -0.33)

- a. release the reactants
- b. speed up reactions
- c. slow down reactions
- d. deactivate reactions

82. Consider the given statements and decide which of the conclusions logically follow from the statements. (+1, -0.33)

Statements:

- Some toys are plastic.
- Some plastic are black.

Conclusions:

- 1. All toys are black.
 - 2. All toys are plastic.
- a. Both conclusions follow.
 - b. Neither conclusion 1 nor 2 follows.
 - c. Only conclusion 2 follows.
 - d. Only conclusion 1 follows.

83. In a code language if TAIL is written as 201912, then what will be the code for HORN in the same language? (+1, -0.33)

- a. 8151814
- b. 8141815

c. 8161815

d. 9151814

-
84. You are given a question and two statements. Decide which of the statements are sufficient to answer the question. (+1, -0.33)

Question:

What will be the code for 'Home'?

Statements:

1. The code for 'This is my home' is 'Te e me huch'.
 2. The code for 'Home sweet home' is 'huch tee huch'.
- a. Neither statement 1 nor statement 2 is sufficient.
 - b. Both statements 1 and 2 together are sufficient.
 - c. Only statement 2 is sufficient.
 - d. Only statement 1 is sufficient.

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

Statement:

Kajal said to her husband, "Let us go to watch a movie."

Assumptions:

- I. Kajal likes watching movies.
- II. They are thinking where to go.

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

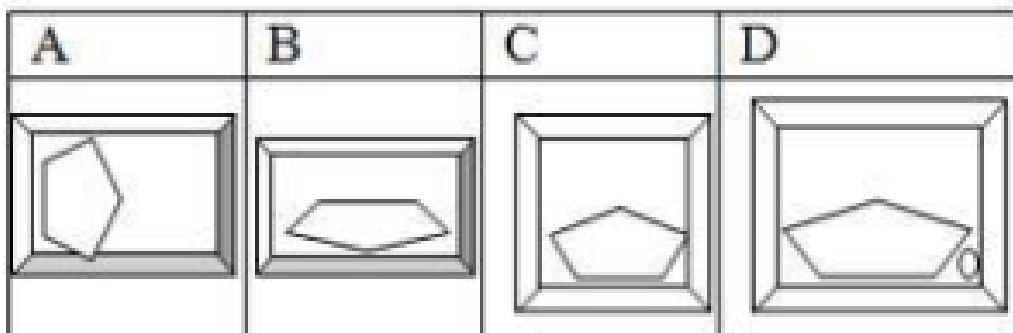
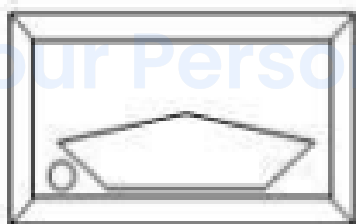
86. Which of the following numbers is divisible by 9?

(+1, -0.33)

- a. 45699
- b. 12381
- c. 45696
- d. 12348

87. Which option shows the closest similarity with the figure given below?

(+1, -0.33)



- a. A

b. C

c. B

d. D

88. The most abundant element found in the Sun's atmosphere is (+1, -0.33)

a. Helium

b. Hydrogen

c. Oxygen

d. Neon

89. $108 \div 18 \times (55 - 35 \div 5) \div 3 = ?$ (+1, -0.33)

a. 96

b. 144

c. 18

d. 120

90. If the focal length of a mirror is +15, then it is: (+1, -0.33)

a. Convex mirror

b. Concave mirror

c. Double lens

d. Plane mirror

91. Which of the following figure cuts has been used on a transparent sheet to produce the figure given below? (+1, -0.33)

Question figure



Option figure

A	B	C	D
			

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

92. Express $\frac{7}{11}$ in decimal form.

(+1, -0.33)

- a. 0.623
- b. $0.\overline{63}$
- c. 0.633
- d. $0.\overline{62}$

93. Who was the first Muslim President of India?

(+1, -0.33)

- a. V. V. Giri
- b. Dr. Zakir Husain
- c. Dr. A. P. J. Abdul Kalam
- d. Dr. Fakhruddin Ali Ahmed

94. Rings of _____ are present in the throat. (+1, -0.33)

- a. Cartilage
- b. Areolar
- c. Joint
- d. Ligament

95. Inlet pipe P can fill a tank in 7 hours while outlet pipe Q can completely empty a fully filled tank in 6 hours. If only P is opened for the first 3 hours and after that Q is also opened, how many hours will be required to empty the tank? (+1, -0.33)

- a. 28
- b. 24
- c. 21
- d. 18

96. An object travels 21 m in 4 s and then the next 15 m in 2 s. What is the average speed of the object? (+1, -0.33)

- a. 6.00 ms^{-1}
- b. 6.00 s^{-1}
- c. 6.00 m
- d. 6.00 ms^1

97. A sphere is divided in the ratio 2:3. The larger part is moulded into a cone (+1, -0.33)
whose height equals the radius of its base, while the smaller part is
moulded into a cylinder whose height equals the radius of its base. What
is the ratio of the radius of the cone's base to the height of the cylinder?

a. $\sqrt[3]{9} : \sqrt[3]{2}$

b. 3 : 1

c. $\sqrt[3]{9} : 1$

d. 1 : $\sqrt[3]{3}$

98. _____ is not an allotrope of carbon. (+1, -0.33)

a. Diamond

b. Graphite

c. Coal

d. Fullerene

99. Consider the given statement and decide which of the given inferences is (+1, -0.33)
implicit in the statement.

Statement:

"Nowadays people know that walking on grass gives energy to the body."

Inferences:

I. Stress and anxiety are major threats of the modern era.

II. Walking on grass is actually a very easy exercise.

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

100. $(77 + 14) - \frac{42}{7} \times 3 + (12 - 9) = ?$

(+1, -0.33)

- a. 90
- b. 24
- c. 92
- d. 76

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