



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 (23-Oct-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.

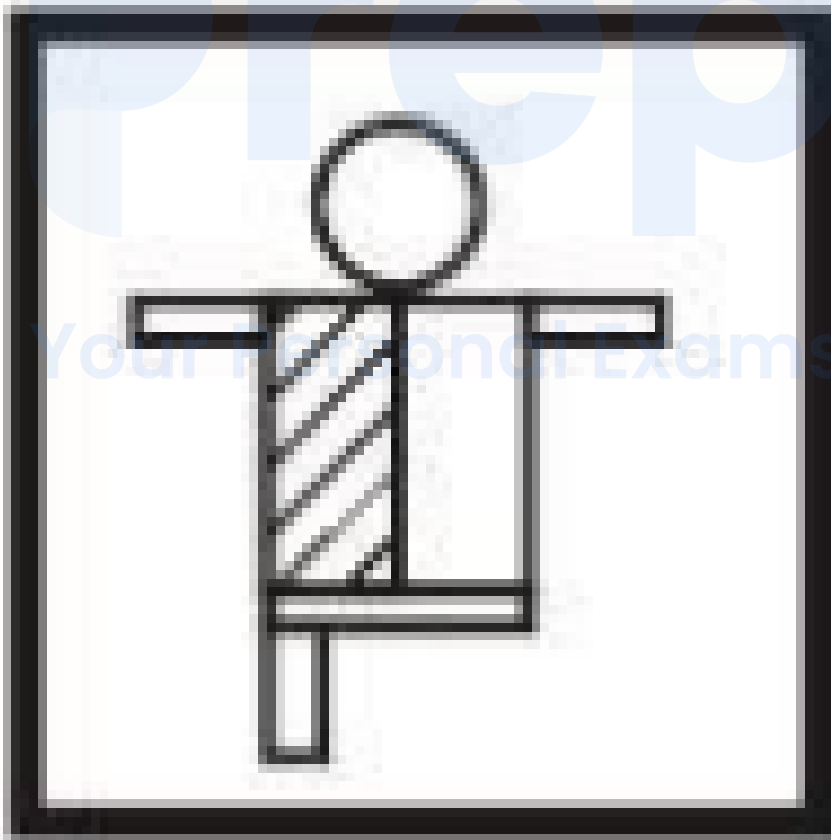
Navigating & Answering a Question

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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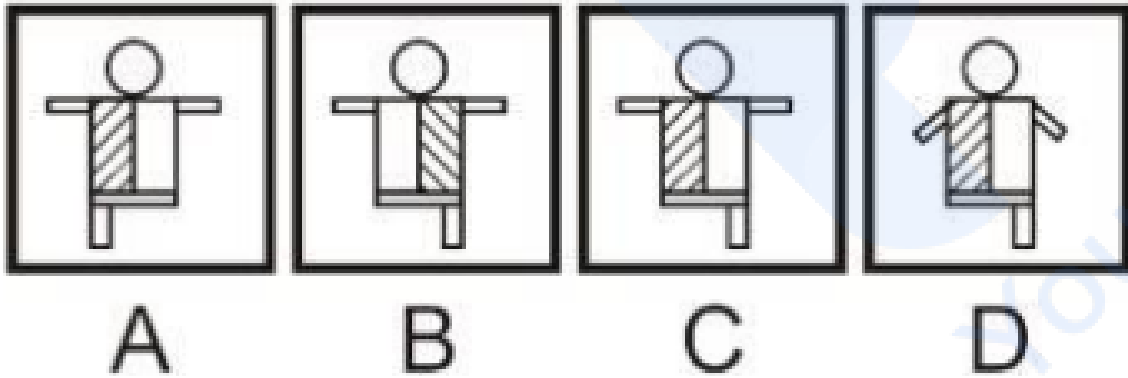
Test

1. When a body is immersed in water, an upward force acts on it. What is this force called? (+1, -0.33)
- a. Force of Friction
 - b. Force of Buoyancy
 - c. Force of Gravity
 - d. Force of Gravitation
-



2. The mirror image of the given figure is: [Image]

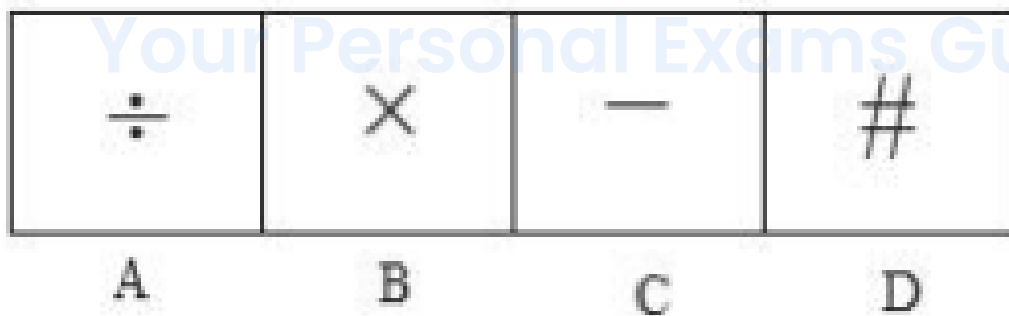
(+1, -0.33)



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

3. Find the odd one out:

(+1, -0.33)



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

-
4. Consider the statement and the following arguments and decide which argument is strong in relation to the statement. (+1, -0.33)

Statement:

Can the government, local authorities, and citizens cooperate in tackling the problem of air pollution in the city?

Arguments:

I. Yes, they should jointly come up with a solution because it affects everyone living in the city.

II. No, it is the responsibility of the government to ensure clean air.

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

-
5. Which element has the maximum melting and boiling point? (+1, -0.33)

- a. Tungsten
- b. Gold
- c. Lithium
- d. Osmium

-
6. Pollination is a characteristic of plants from the group: (+1, -0.33)

- a. Allogamy

- b. Angiosperm
 - c. Bryophytes
 - d. Pteridophytes
-

7. The energy possessed by an object because of its position or shape is called _____. (+1, -0.33)

- a. static energy
 - b. potential energy
 - c. latent energy
 - d. kinetic energy
-

8. If a polyhedron has 10 faces and 23 edges, then the number of vertices are _____. (+1, -0.33)

- a. 15
 - b. 16
 - c. 11
 - d. 14
-

9. If + means $\div$, - means +, $\times$ means - and $\div$ means $\times$, then what is the value of $19 \div 10 - 36 + 6$? (+1, -0.33)

- a. 196
- b. 200

c. 199

d. 187

10. Sohrab started his journey at 5:24:37 p.m. and reached his destination at 7:34:48 p.m. Bheema started the same journey 48 minutes 23 seconds after Sohrab and reached the same destination 40 minutes 12 seconds after him. How long did Bheema take to complete the journey? (+1, -0.33)

a. 2 hours 2 seconds

b. 2 hours 1 minutes 12 seconds

c. 2 hours 2 minutes

d. 1 hour 59 minutes

11. Choose the only person who does not belong to the group. (+1, -0.33)

a. Sachin Tendulkar

b. M.S. Dhoni

c. Sudha Chandran

d. Virat Kohli

12. Which team won the 2018 ICC Under-19 Cricket World Cup tournament? (+1, -0.33)

a. India

b. New Zealand

c. Australia

d. Pakistan

13. Mr. X runs a marathon starting from point A. He runs 5 km north to B, then turns right runs 6 km to C, then turns right runs 8 km to D, then turns right runs 10 km to E, then turns right runs 6 km to F, then turns right runs 1 km to G, then turns right runs 3 km to H. (+1, -0.33)
- The shortest distance between point G and A is:

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

14. At what temperature can water be in both liquid and gaseous state? (+1, -0.33)

- a. 0°C
 - b. 100°C
 - c. 273°C
 - d. 105°C
-

15. Group 1 elements are called _____. (+1, -0.33)

- a. Alkaline earth metals
- b. Noble gases
- c. Alkali metals

d. Halogens

16. How much work is done in moving a charge of 5 C across two points having a potential difference of 14 V? (+1, -0.33)

a. 48 J

b. 44 J

c. 70 J

d. 14 J

17. Find the next number in the series 16, 19, 24, 31, 40, ? (+1, -0.33)

a. 63

b. 62

c. 50

d. 51

18. A body of mass 1 kg is moved towards East with a uniform speed of 2 m/s. A force of 1.5 N is applied to it towards North. The magnitude of displacement of the body after 2 seconds is: (+1, -0.33)

a. -5 m

b. 3 m

c. 4 m

d. 5 m

19. Mr. X invested ₹300 for three years at a simple interest rate of 11.03%. How much should Mr. Y invest to get the same return after three years at a compound interest rate of 10%? (+1, -0.33)

a. ₹400

b. ₹350

c. ₹250

d. ₹300

20. The statement given below is followed by arguments I and II. Decide which of the following is a strong argument. (+1, -0.33)

Statement: Should children be allowed to drink coke?

Arguments:

I. Yes, coke is an energising product and children like it a lot.

II. No, gas-filled drinks do not have enough nutrients required for a child's growth.

a. Only argument I is strong.

b. Both I and II are strong.

c. Neither I nor II is strong.

d. Only argument II is strong.

21. Who among the following was awarded with the Arjuna Award 2017, in the category of archery? (+1, -0.33)

- a. Deepika Kumari
 - b. Jayanta Talukdar
 - c. Jyothi Surekha Vennam
 - d. Dola Banerjee
-

22. A group of 150 employees of a firm were asked whether they know three of the new technologies the company is going to introduce. 50 responded that they know software 1 and 2, 30 know software 2 and 3, 90 know software 1 and 3, and 20 know all three. How many know exactly one software? (+1, -0.33)
- a. 20
 - b. 27
 - c. 24
 - d. 25
-

23. Who was awarded the 2016 Sangeet Natak Akademi Puraskar? (+1, -0.33)
- a. AV Narasimha Murthy
 - b. Satyabrata Rout
 - c. K Vishwanath
 - d. Soumitra Chatterjee
-

24. As of August 2018, who is the Chief Minister of Meghalaya? (+1, -0.33)

- a. Yogi Adityanath
 - b. Mukul Sangma
 - c. Mamata Banerjee
 - d. Conrad Sangma
-

25. Pointing at a picture Divya says, 'He is the only son of my grandmother.' (+1, -0.33)
Who is Divya pointing at?

- a. her brother
 - b. her maternal uncle
 - c. her father
 - d. her paternal uncle
-

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

- A. Out of 114 elements, 32 are non-metals and others are metals.
- B. Every ore is a mineral but every mineral is not an ore.

- a. Only A is true
 - b. A and B are both false
 - c. A and B are both true
 - d. Only B is true
-

27. Which of the following airports won the 'Golden Peacock Award for (+1, -0.33)
Corporate Social Responsibility (CSR)' in the transportation sector under
the Aviation category for 2016?

- a. Goa International Airport
 - b. Trivandrum International Airport
 - c. Kempegowda International Airport
 - d. Delhi International Airport (Private) Limited
-

28. Which of the following is a non-vascular plant? (+1, -0.33)

- a. Chara
 - b. Fern
 - c. Marsilea
 - d. Deodar
-

29. Kathakali is a classical dance-drama of _____. (+1, -0.33)

- a. Andhra Pradesh
 - b. Kerala
 - c. Manipur
 - d. Tamil Nadu
-

30. Simplify using BODMAS rule: (+1, -0.33)

$$11 - [2 \times 9 - \{12 \div (7 - 2 + 1)(13 - 11)\}] = ?$$

- a. -4
- b. -5

c. -6

d. -5.5

31. By reducing the price of an article by 20%, the sales increase by 20%. What is the effect on revenue earned? (+1, -0.33)

a. 5% reduce

b. 4% increase

c. 5% increase

d. 4% reduce

32. The SI unit of Momentum is _____. (+1, -0.33)

a. Kg ms^{-1}

b. Newton

c. Dyne

d. Kg ms^{-2}

33. Find the potential difference when the current is 10 A and the resistance is 50 ohms. (+1, -0.33)

a. 5 V

b. 50 V

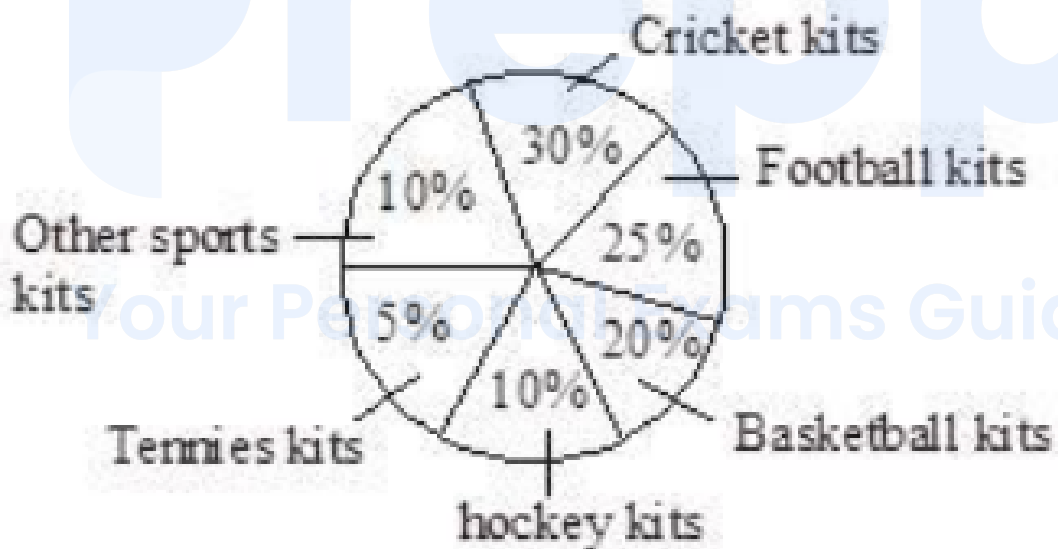
c. 500 V

d. 500 Ohm

34. The mass of an object on Earth is 60 kg. What is its mass on the Moon? (+1, -0.33)

- a. 10 kg
- b. 10 N
- c. 60 N
- d. 60 kg

35. The following pie diagram shows information on sale of sports kits by company XYZ. The total revenue made during 2016 is ₹36,82,000. (+1, -0.33)



How much revenue was made by company XYZ in 2016 through Cricket kits sales (in \$)?

a. 2,76,150

b. 11,04,600

c. 5,52,300

d. 1,38,075

36. Deepa bought a set of cups for ₹185, but had to sell it later for ₹170.20 to clear old stocks. What percentage loss did she bear? (+1, -0.33)

a. 16

b. 14

c. 8

d. 7

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

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

B. In water (distilled), the speed of sound is 1498 m/s.

a. Only A is true

b. Both A and B are true

c. Only B is true

d. Neither A nor B is true

38. Endocrine glands are also known as: (+1, -0.33)

a. Ductless glands

- b. Hepatic glands
- c. Pituitary glands
- d. Thyroid glands

39. Which Union Ministry launched India's first digital online oncology tutorial series? (+1, -0.33)

- a. Ministry of Tribal Affairs
- b. Ministry of AYUSH
- c. Ministry of Women and Child Development
- d. Ministry of Health and Family Welfare

40. Three of the following four words are related in some way and one is different. Choose the odd one. (+1, -0.33)

- a. Parrot
- b. Swan
- c. Rabbit
- d. Hawk

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

- A. A balanced chemical equation has an equal number of formula of different elements in the reactants and products.
- B. An unbalanced chemical equation has an unequal number of atoms of one or more elements in the reactants and products.

- a. Only A is true
 - b. Only B is true
 - c. A and B are both false
 - d. A and B are both true
-

42. The first Muslim dynasty to rule over the subcontinent for about 84 years was the _____. (+1, -0.33)

- a. Khalji Dynasty
 - b. Slave Dynasty
 - c. Tughlaq Dynasty
 - d. Mughal Dynasty
-

43. What is the characteristic of Rare Earth Elements? (+1, -0.33)

- a. Their one outermost shell is incomplete.
 - b. Their three outermost shells are incomplete.
 - c. Their outermost shell is complete.
 - d. Their two outermost shells are incomplete.
-

44. The headquarters of World Health Organization (WHO) are located in: (+1, -0.33)

- a. France
- b. Switzerland

c. South Africa

d. USA

Prepp

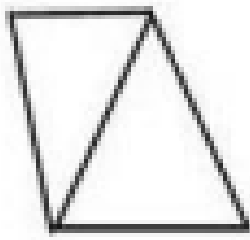
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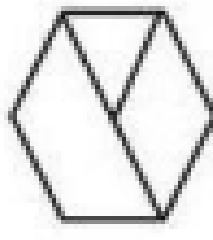
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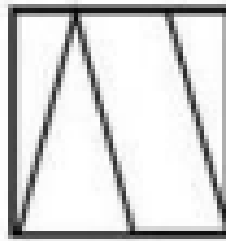
45. The above figure is embedded in any of these four figures. The correct picture containing the above picture is: (+1, -0.33)



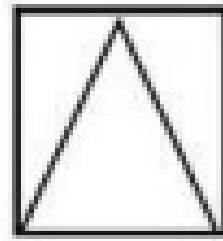
A



B



C



D

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

46. Solve the below equation. (+1, -0.33)

$$34.508 + 3.4508 + 345.08 - 32.89 = ?$$

- a. 320.1488
- b. 350.1488
- c. 355.1488
- d. 450.1488

47. Who was selected for the fifth Yash Chopra Memorial Award? (+1, -0.33)

- a. Karan Johar
- b. Asha Bhosle

- c. Shah Rukh Khan
 - d. Amitabh Bachchan
-

48. What is 46% of 250? (+1, -0.33)

- a. 115
 - b. 126.5
 - c. 103.5
 - d. 92
-

49. Who among the following compiled the book "Mricchakatika" in ancient India? (+1, -0.33)

- a. Kalhana
 - b. Banabhatta
 - c. Vikramaditya
 - d. Sudraka
-

50. If Y's sister is X, Y's mother is Z, Z's father is W, and X's sister is not Y, then Y is X's _____. (+1, -0.33)

- a. cousin brother/sister
- b. brother-in-law/dever
- c. niece

d. brother

51. The word 'mole' was introduced around 1896 by:

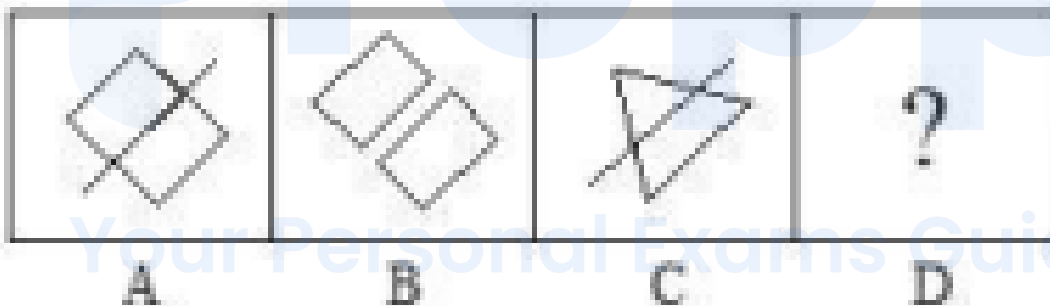
(+1, -0.33)

- a. John Dalton
- b. Joseph Proust
- c. Wilhelm Ostwald
- d. Maharishi Kanad

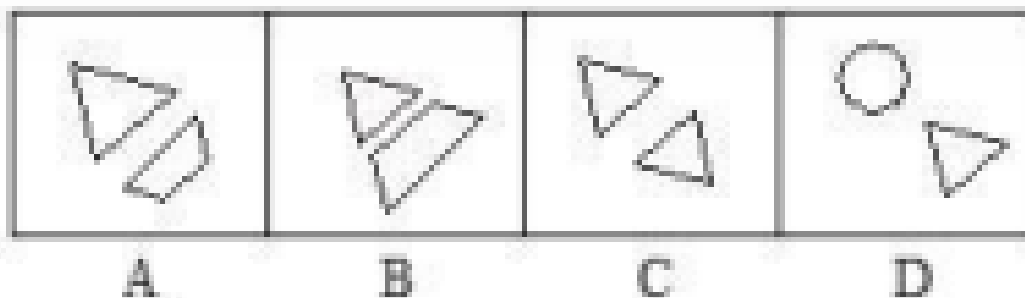
52. Find the missing figure for the given series:

(+1, -0.33)

Problem Figures:



Answer Figures:



a. A

b. B

c. C

d. D

53. What is the greatest number smaller than 5000 which, when divided by 5, 6 and 7 respectively, leaves remainders of 4, 5 and 6? (+1, -0.33)

a. 4831

b. 4829

c. 4830

d. 4845

54. Select the word which is related to the third word in the same way as the second word is related to the first word. (+1, -0.33)

Heart : Cardiologist :: Bone : ?

a. Dermatologist

b. Orthokeer

c. Orthopedist

d. Odontologist

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

Question:

L, J, K and N are standing in ascending order of their height. Who is standing last?

Statements:

1. L is taller than K and N.
2. J is taller than L.

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

56. The caves of Ajanta and Ellora are among the finest examples of some of the earliest _____ architecture, cave paintings and sculpture. (+1, -0.33)

- a. Hindu
- b. Buddhist
- c. Rajput
- d. Jain

57. A contractor decides to build a house in 30 days. He employed 50 men in the beginning and 50 more after 25 days and completed the construction in stipulated time. If he had not employed the additional men, how many more days would be required to complete the work? (+1, -0.33)

- a. 40 days
- b. 30 days
- c. 35 days
- d. 45 days

58. In which year was Sachin Tendulkar awarded the Bharat Ratna? (+1, -0.33)

- a. 2014
- b. 2016
- c. 2013
- d. 2015

59. The middle portion of a solid object has the shape of a right circular cylinder (length = 14 cm). One end of the cylinder is a right circular cone and the other end is hemispherical. The radius of all three shapes is 3 cm. If the total length of the cylindrical object including the cone and the hemisphere is 21 cm, find out the total surface area of the solid object in cubic centimeter. (+1, -0.33)

- a. 117π
- b. 121π
- c. 115π
- d. 119π

60. The statement given below is followed by Arguments I and II. You have to decide which one of the following arguments is a strong argument. (+1, -0.33)

Question:

Should Computer Science be made a compulsory subject in schools?

Arguments:

1. Yes, we need to compete at the international level, for which the study of computers is necessary.
 2. No, computers are not needed by everyone.
- a. Neither 1 nor 2 is strong.
 - b. Both 1 and 2 are strong.
 - c. Only argument 1 is strong.
 - d. Only argument 2 is strong.

61. Find the odd one out:

(+1, -0.33)



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

62. What comes next in the given series: 8E, 14H, 20K, 26N, ?

(+1, -0.33)

- a. 30 T

b. 32 Q

c. 25 J

d. 35 W

63. Which of the following schemes was introduced by the Government of India to accelerate financial inclusion? (+1, -0.33)

a. Krishi Vikas Yojana

b. Jan Dhan Yojana

c. Krishi Sinchai Yojana

d. Gram Jyoti Yojana

64. _____ is NOT a photochemical reaction. (+1, -0.33)

a. Synthesis of ammonia from nitrogen and hydrogen

b. Free radical chlorination of methane

c. Photosynthesis

d. Photography

65. Navjot Singh Sidhu recently joined which political party? (+1, -0.33)

a. Aam Aadmi Party

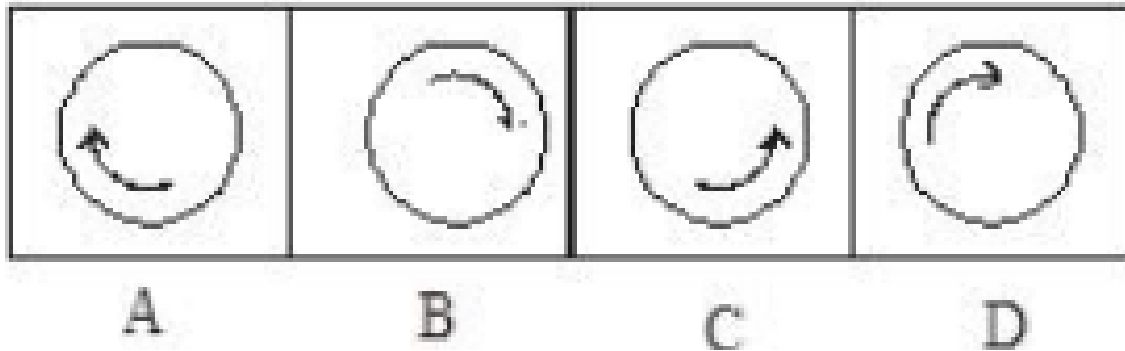
b. Bahujan Samaj Party

c. Bharatiya Janta Party

d. Indian National Congress

66. Find the odd one out:

(+1, -0.33)



a. C

b. D

c. A

d. B

67. When an object is _____ of a convex lens, the nature of the image is enlarged, virtual and erect. (+1, -0.33)

a. At $2F_1$

b. Between F_1 and O

c. At infinity

d. At F_1

68. A student travels 420 km in 7 hours. He travels for some time at 75 km/hr and the rest of the time at 55 km/hr. How long did he travel at the higher speed? (+1, -0.33)

- a. 1 hour 15 mins
- b. 1 hour 25 mins
- c. 1 hour 35 mins
- d. 1 hour 45 mins

69. The length of each of the sides of a rhombus is given as 30 m and the length of one of its diagonals is 36 m. Find the area of the rhombus. (+1, -0.33)

- a. 840 m^2
- b. 860 m^2
- c. 856 m^2
- d. 864 m^2

70. Complete the alphabet series: _____, DED, _____, HIH, JKJ. (+1, -0.33)

- a. CBC, HJH
- b. CDC, JHJ
- c. CBC, IJI
- d. BCB, FGF

71. If $a + b + c = 0$, find the value of $\frac{a^2+b^2+c^2}{a^2-bc}$ (+1, -0.33)

- a. 0
- b. 5

c. 2

d. 4

72. Gymnosperms are often referred to as having _____ type of seeds (+1, -0.33)
because they do not have flowers, and their seeds develop on the surface
of reproductive structures rather than in a specialised ovary.

a. true traits

b. naked

c. non-motile male gametes

d. winged

73. A can complete a task alone in 12 days, while B takes 16 days to do it by (+1, -0.33)
herself. Together with C it takes them 6 days to complete the task. If C
and D work together, they can do the work in 30 days, then how many
days will D need to complete the task by herself?

a. 90

b. 75

c. 80

d. 84

74. Read the given statement(s) and conclusions carefully and select which (+1, -0.33)
of the conclusions logically follows from the statement(s).

Statements:

- I. All bends are curves.
- II. All curves are dangerous.

Conclusions:

- 1. All bends are dangerous.
 - 2. Some curves are bends.
- a. Conclusion 2 alone follows.
 - b. Conclusion 1 alone follows.
 - c. Neither 1 nor 2 follows.
 - d. Both 1 and 2 follow.

-
75. What is the difference between the place values of the two 3's in 935071360? (+1, -0.33)
- a. 29999701
 - b. 29999400
 - c. 29999700
 - d. 29999600

-
76. A chain of tea kiosks installed in different areas yield sales as shown in the following table. (+1, -0.33)

	Sales (in lakhs)
Area 1	3
Area 2	5
Area 3	8
Area 4	12

Compared with Area 3, Area 4 has:

- a. 25% less sales
- b. 20% more sales
- c. 25% more sales
- d. 50% more sales

77. Find the number between 300 and 500 which is exactly divisible by 6, 8, 10 and 12: (+1, -0.33)

- a. 320
- b. 490
- c. 340
- d. 360

78. The Paithan (Jayakwadi) Hydro-electric project, completed with the help of Japan, is on the river _____ (+1, -0.33)

- a. Mahanadi

- b. Narmada
 - c. Krishna
 - d. Godavari
-

79. The Prime Minister of India has recently announced the launching of an App that will convert mobile phones into 'banks'. Identify the financial app named after a Pandava Prince. (+1, -0.33)

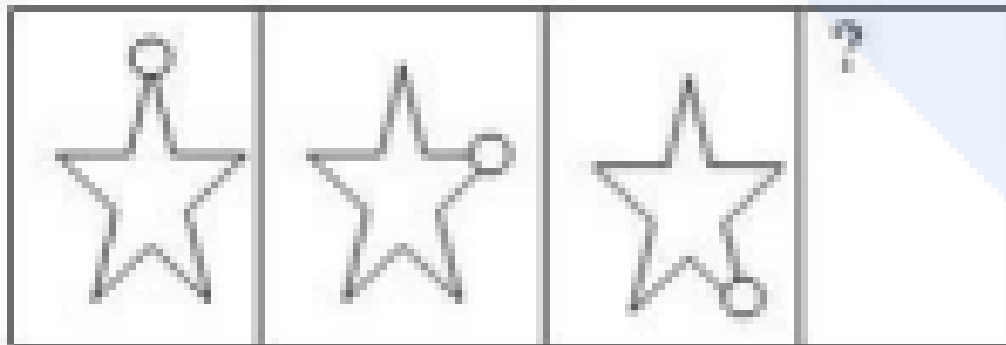
- a. BHIM
 - b. ARJUN
 - c. DHARMA
 - d. NAKUL
-

80. Vijay Hazare Trophy held annually is associated with which sport? (+1, -0.33)

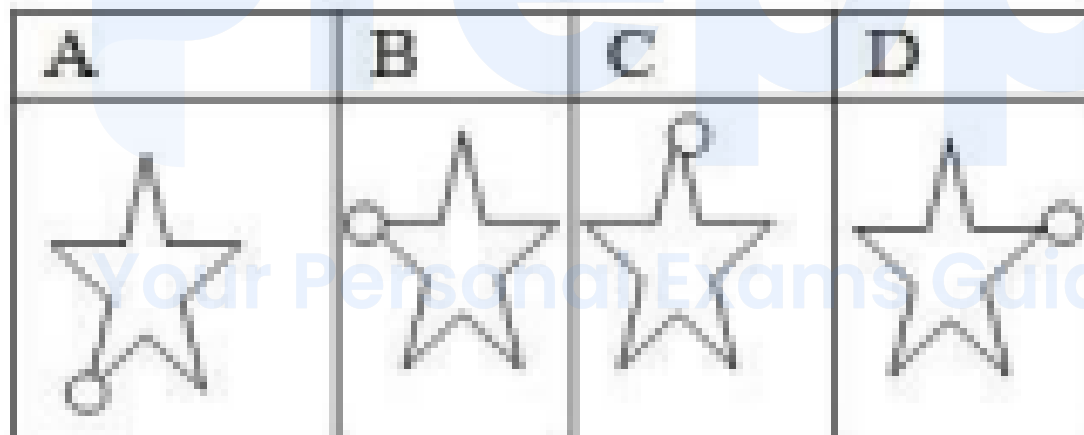
- a. Tennis
 - b. Shooting
 - c. Wrestling
 - d. Cricket
-

81. Select the option figure that will complete the series of question figures. (+1, -0.33)

Question figures:



Option Figures:



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

82. In the following question, the symbols #, @, , %, and \$ are used with the following meanings: (+1, -0.33)

- $M \% N$ means M is greater than N.
- $M * N$ means M is equal to N.
- $M \$ N$ means M is smaller than N.
- $M \# N$ means M is either smaller than N or equal to N.
- $M @ N$ means M is either greater than N or equal to N.

Read the given statement(s) and conclusions carefully and select which of the following conclusion(s) logically follow(s).

Statements:

$P \# R, M * P, L \$ M, R \% V$

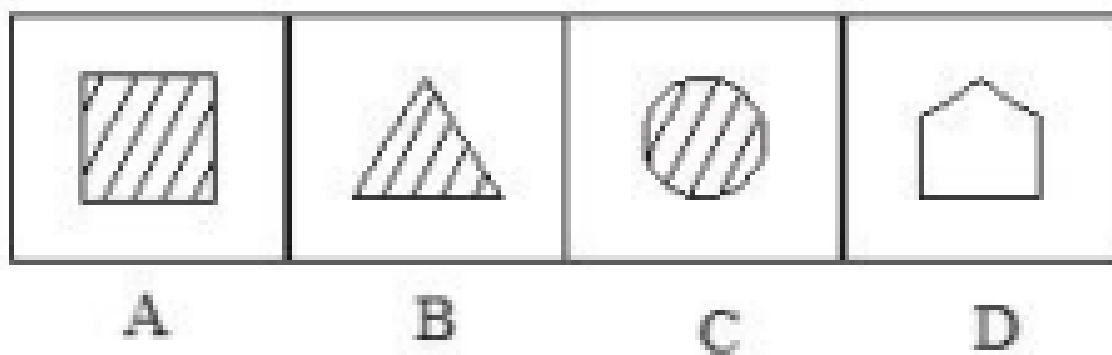
Conclusions:

I. $R @ M$

II. $V \% M$

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follows

83. Find the odd one out: (+1, -0.33)



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

84. New individual develops from buds: (+1, -0.33)

- a. Amoeba
- b. Paramecium
- c. Hydra
- d. Bacteria

85. x and y , given correct to 2 decimal places, are 3.57 and 3.42 respectively. (+1, -0.33)
What is the upper bound of $x + y$?

- a. 7.01
- b. 7
- c. 6.99

d. 6.995

86. A boy of mass 50 kg runs up a staircase of 40 steps in 10 s. If the height of each step is 15 cm, find his power. Take $g = 10 \text{ ms}^{-2}$. (+1, -0.33)

a. 300 J

b. 300 W

c. 300 ms

d. 337.5 W

87. Evaluate the following expression: (+1, -0.33)
 $28 - 2(20 - 12 \div 4 \times 3 - 2 \times 2) + 22 = ?$

a. 4

b. 0

c. 2

d. -2

88. The scores of Rahul Sharma in ten consecutive innings are the first ten natural numbers respectively. Find the mean of the given data. (+1, -0.33)

a. 5

b. 6

c. 5.5

d. 6.5

89. What is the property of a metal having a shining surface called? (+1, -0.33)

- a. Ductility
- b. Malleability
- c. Metallic lustre
- d. Hardness

90. Which scheme has the Union Cabinet approved with a focus on doctoral students pursuing research in areas related to technology? (+1, -0.33)

- a. Technical Research Fellows (TRF) Scheme
- b. Prime Minister's Research Fellows (PMRF) Scheme
- c. Medical Research Fellows (MRF) Scheme
- d. Medical Technology Research Fellows (MTRF) Scheme

91. The sum of the values of all the six trigonometric ratios when the angle $\alpha = 45^\circ$ is: (+1, -0.33)

- a. 6
- b. $\frac{6+3\sqrt{2}}{2}$
- c. $2 + 4\sqrt{2}$
- d. $2 + 3\sqrt{2}$

92. $\frac{\cot 45^\circ}{1+\sin 45^\circ} + \frac{1+\sin 45^\circ}{\cot 45^\circ} = ?$ (+1, -0.33)

a. $3 - 2\sqrt{2}$

b. $\frac{\sqrt{2}}{2}$

c. $3 - \frac{\sqrt{2}}{2}$

d. $\sqrt{2}$

93. Evaluate: $35 - 42 \div 6 + 13 \times 2 = ?$

(+1, -0.33)

a. -10

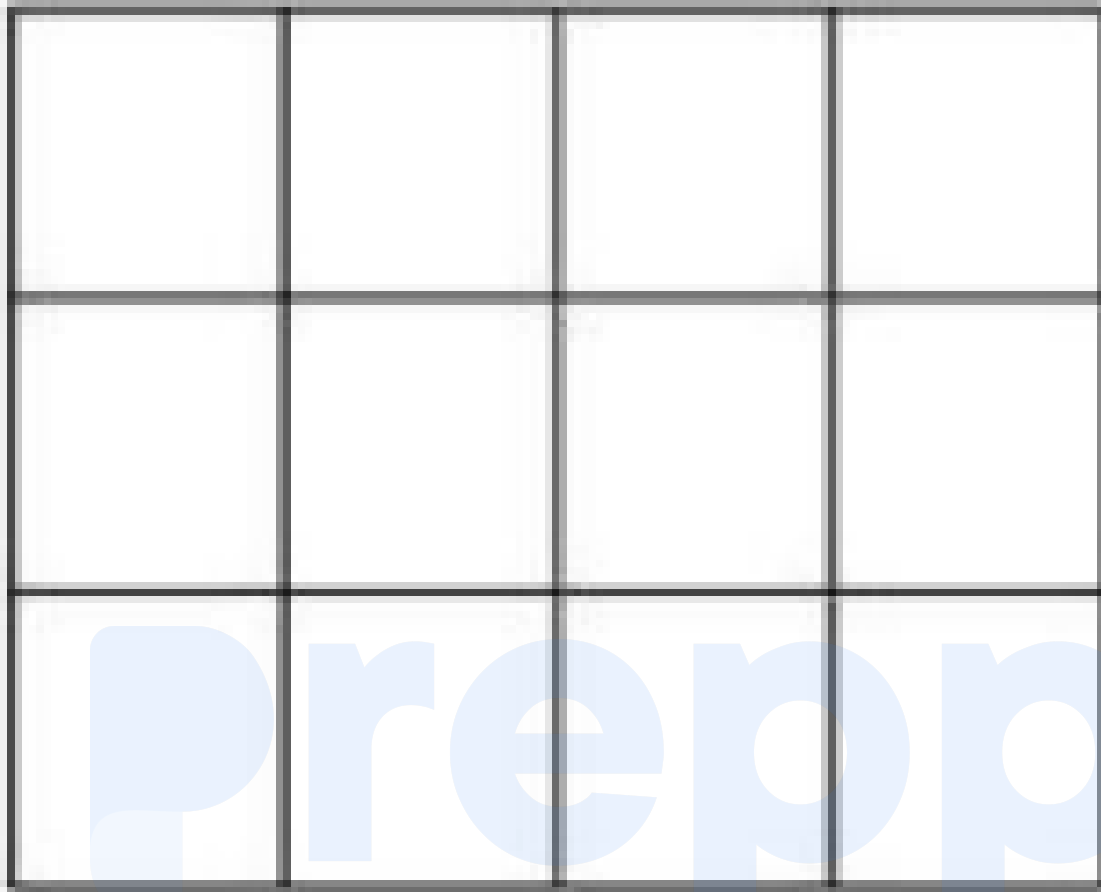
b. 54

c. 1

d. 33

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94. How many squares are there in the above figure? (+1, -0.33)

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- a. 25
- b. 20
- c. 18
- d. 22

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

Question:

How many classrooms does the college have?

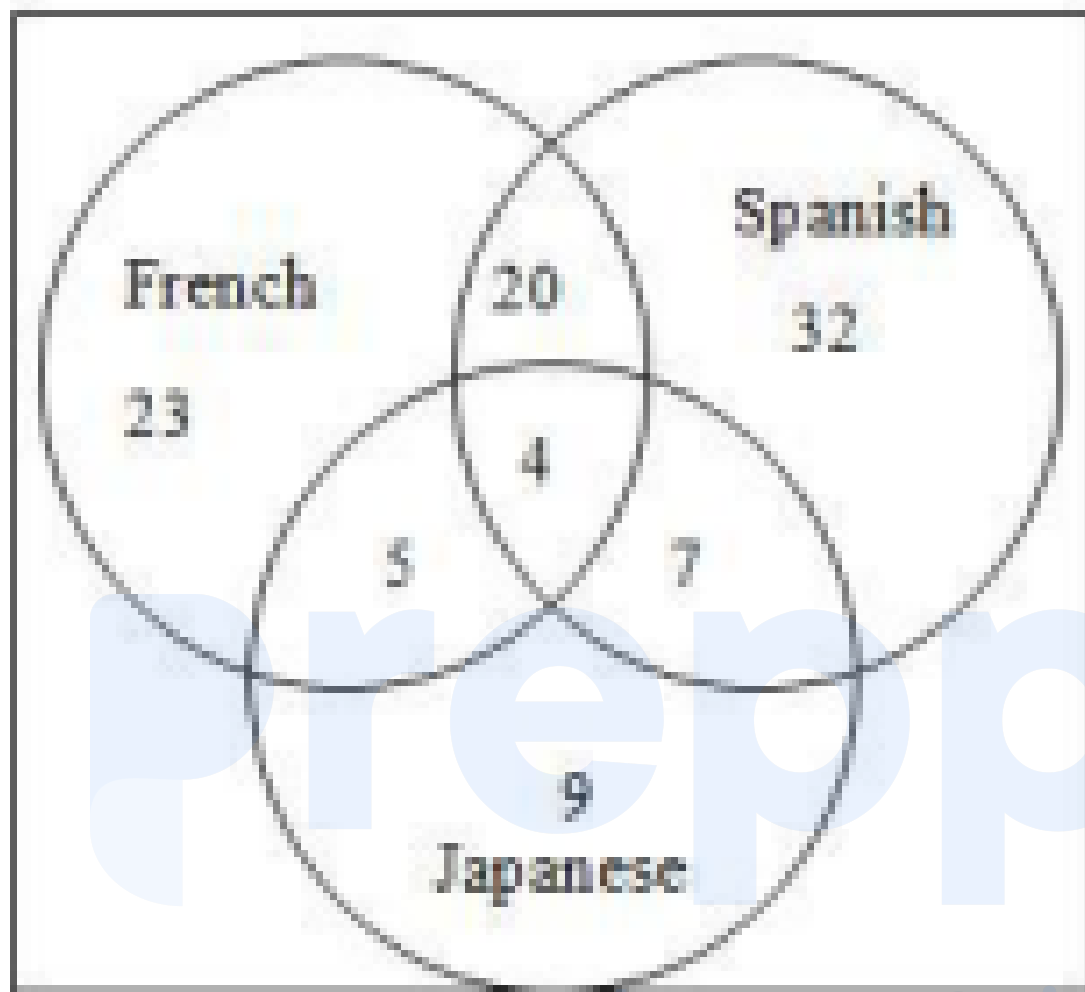
Statements:

1. Each block has 10 classrooms, which is equal to the total number of buildings in the college.
2. Each building has 4 blocks.

- a. Either statement 1 or 2 alone is sufficient
- b. Both statements 1 and 2 together are sufficient
- c. Statement 2 alone is sufficient while 1 is not
- d. Statement 1 alone is sufficient while 2 is not

96. ₹5,100 is to be divided among A and B in the ratio 8 : 9. The share of B will exceed that of A by: (+1, -0.33)

- a. ₹350
 - b. ₹200
 - c. ₹250
 - d. ₹300
-



97. The diagram represents the number of students in a class who study 3 languages. (+1, -0.33)
The total number of students in the class is?

- a. 101
- b. 100
- c. 45
- d. 64

98. The SI unit of resistivity is: (+1, -0.33)

- a. Joule
- b. Ampere
- c. Ohm
- d. Ohm·m

99. Who recently won the 'Sahitya Akademi Bhasha Samman Award' for their contribution to Magahi Language? (+1, -0.33)

- a. Smt. T. S. Saroja Sundararajan
- b. Sri Visvanatha Satyanarayana
- c. Shesh Anand Madhukar
- d. Sri Harihar Vaishnav

100. A tank can be filled by tap A in 15 h and tap B in 24 h. Tap C can empty the filled tank in 30 h. If all three taps are opened simultaneously, how much time will be taken to fill the tank completely? (+1, -0.33)

- a. $\frac{40}{7}$ h
- b. $\frac{40}{3}$ h
- c. 3 h
- d. $\frac{67}{7}$ h