



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 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

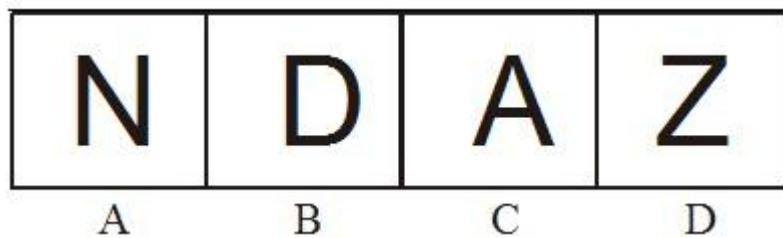
1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

Your Personal Exams Guide

Test

1. Identify the odd one out:

(+1, -0.33)



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

2. Ramya said to Renuka, "Your mother's husband's sister is my aunt." How is Ramya related to Renuka?

(+1, -0.33)

- a. Daughter
- b. Mother
- c. Niece
- d. Cousin

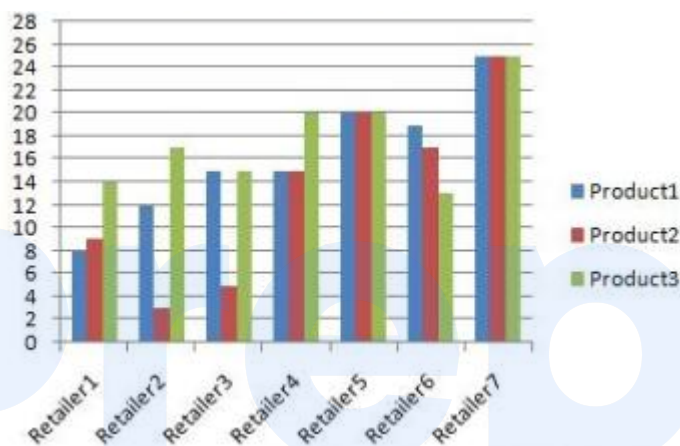
3. A bus's odometer reads 3000 km at the start of a journey and 3600 km at the end. If the journey takes 8 hours, calculate the average speed of the bus in kmh^{-1} .

(+1, -0.33)

- a. 70

- b. 85
- c. 80
- d. 75

4. As per the given graph, which retailer offers product 3 in the price range of ₹ 16 to ₹ 18? (+1, -0.33)



Note: X-axis represents retailers and Y-axis indicates the price in rupees.

- a. Retailer 1
- b. Retailer 2
- c. Retailer 6
- d. Retailer 7

5. The quantity of electric charge flowing through a circuit is 300 C when a current of 0.5 A is drawn by the filament of an electric bulb. Find the time. (+1, -0.33)

- a. 60 s
- b. 600 s

c. 6000 s

d. 6 s

6. From the following options, choose the item that does not belong to the group: (+1, -0.33)

a. Screwdriver

b. Hand drilling machine

c. Spanner

d. Hammer

7. In the following question, a statement is given followed by two arguments I and II. You have to decide which of the following arguments is a strong argument. (+1, -0.33)

Statement:

Should seven-star hotels be banned in India?

Arguments:

I. Yes, international criminals operate from seven-star hotels.

II. No, non-arrival of wealthy tourists would cause a loss of tourism revenue.

a. Neither I nor II is strong.

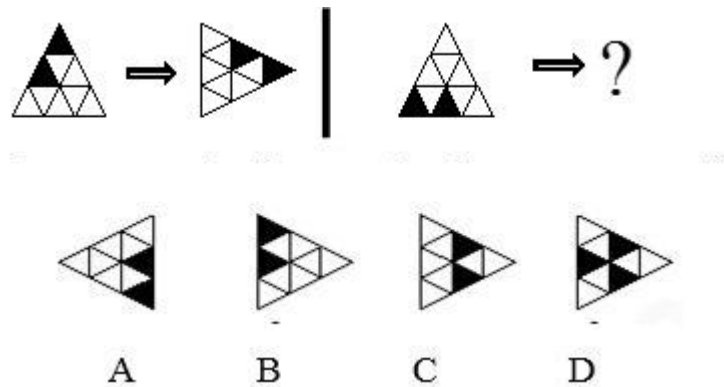
b. Both I and II are strong.

c. Only Argument I is strong.

d. Only Argument II is strong.

8. The most appropriate figure for the blank space is:

(+1, -0.33)



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

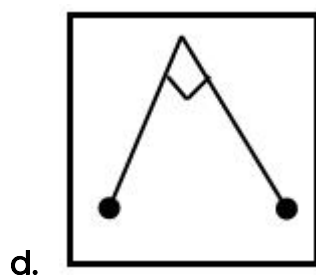
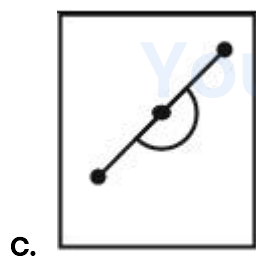
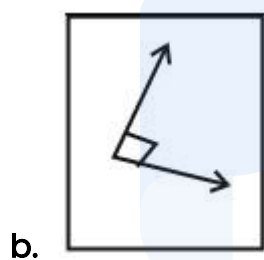
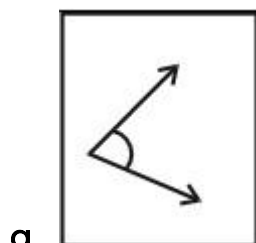
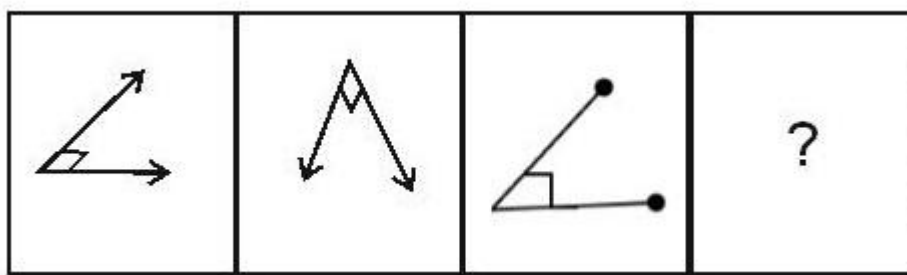
9. Dorothy Rose reads an equal number of pages of her book each day. After 10 days, $11/12$ of her book remains to be read. After another 5 days, she has 210 pages left to read. How many pages does Dorothy read in a day?

(+1, -0.33)

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

10. Which of the following options will be the next figure in the given sequence?

(+1, -0.33)



11. If $(a + 1/a) = 5$, then $(a^4 + 1/a^4) = ?$ (+1, -0.33)

- a. 527
- b. 529
- c. 429
- d. 427

12. The number of chromosomes in a male sperm is: (+1, -0.33)

- a. 23
- b. 48
- c. 46
- d. 24

13. Laila has some dogs and keeps a kennel. She buys supplies for them on a monthly basis and her expenditure pattern is as follows: (+1, -0.33)

Expense	Expense %
Dog food	50
Treats	40
Shampoo	5
Oral care and hygiene	2
Other supplies	3

If she spends ₹ 4,000 on treats, what will be her estimated expenditure on dog food, oral care and hygiene?

- a. ₹ 3,550

b. ₹ 55,250

c. ₹ 3,500

d. ₹ 5,200

14. Who reached the number 1 position in the ICC/ODI international cricket rankings in the year 2017? (+1, -0.33)

a. Shikhar Dhawan

b. Rohit Sharma

c. Virat Kohli

d. M.S. Dhoni

15. In the modern periodic table, periods _____ and _____ do not include any metalloids. (+1, -0.33)

a. 1, 7

b. 2, 3

c. 5, 6

d. 1, 2

16. Who is the Chief Minister of Gujarat in 2018? (+1, -0.33)

a. Nitin Patel

b. Dilip Thakor

- c. Kaushik Patel
 - d. Vijay Rupani
-

17. Naresh and Shahi are playing chess in the morning, seated in the standard chess playing arrangement. If Naresh is watching the sunrise while playing, which direction is Shahi facing? (+1, -0.33)

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

18. In a group of 200 students, each student studies 8 subjects and each subject is studied by 20 students. What is the total number of subjects: (+1, -0.33)

- a. Definitely 80
 - b. Perhaps 100
 - c. At most 50
 - d. At least 10
-

19. Somdev Devvarman was awarded the Padma Shri in 2018 for his contribution in which field? (+1, -0.33)

- a. Art and Craft
- b. Medicine

- c. Sports – Tennis
 - d. Trade and Industry
-

20. Name the Indian architect who won the Pritzker Architecture Prize 2018, often described as the Nobel Prize of architecture. (+1, -0.33)

- a. Raj Rewal
 - b. Hafeez Contractor
 - c. Rahul Mehrotra
 - d. Balkrishna Doshi
-

21. If the mode of the observations 4, 2, 3, 3, 32, 2, 4, 2, 4, x, 3, 4, 4, 3, 3, 4 is 4, then x cannot be ----- (+1, -0.33)

- a. 5
 - b. 3
 - c. 7
 - d. 2
-

22. Which of the following options is a chemical change? (+1, -0.33)

- a. Dissolving sugar in water
- b. Dissolving sand in water
- c. Conversion of milk to curd

d. Sublimation of dry ice

23. If $3x^2 + ax + b$ when divided by $x + 3$ leaves remainder 23, and $x^2 + 2bx + a$ when divided by $x - 3$ leaves remainder 4, what is the value of $a + b$? (+1, -0.33)

a. -1

b. 1

c. -2

d. 0

24. Power = W/T , where W denotes _____. (+1, -0.33)

a. Weight

b. Watt

c. Energy

d. Work

25. What are the elements of Group 1 of the modern periodic table called? (+1, -0.33)

a. Alkaline earth metals

b. Halogens

c. Alkali metals

d. Noble gases

26. Evaluate the given expression:

(+1, -0.33)

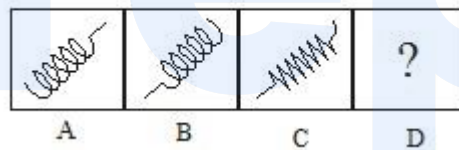
$$25 - [20 - \{16 \div 8 - (15 - 35 \div 7) \div 2\}]$$

- a. -20
- b. +2
- c. -2
- d. +20

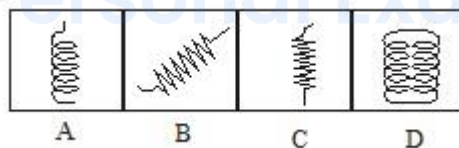
27. What will be the next figure in the following series?

(+1, -0.33)

Problem figures:



Answer figures:



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

28. The programme _____ aims to provide information about the functioning of the Ministry of External Affairs (MEA) to school and college students in India. (+1, -0.33)

- a. DGARM
 - b. DARPAN
 - c. SAMEEP
 - d. VAJRA
-

29. The common name of ethanoic acid is _____. (+1, -0.33)

- a. Butanoic acid
 - b. Acetic acid
 - c. Formic acid
 - d. Propanoic acid
-

30. In the context of agriculture in India, what is the full form of MSP? (+1, -0.33)

- a. Minimum Support Price
 - b. Maximum Support Price
 - c. Minimum Supply Production
 - d. Maximum Supply Production
-

31. In an election, a candidate secured 80% of the total valid votes. 20% of the total votes were declared invalid. The total number of votes is 64000. Find the number of valid votes cast in favour of the candidate. (+1, -0.33)

- a. 5120
- b. 10240
- c. 38280
- d. 40960

32. A and B can complete a work in 28 days, B and C can complete the same work in 35 days, while C and A can complete the same work in 42 days. In how many days can C alone complete this work? (+1, -0.33)

- a. 124
- b. 122
- c. 125
- d. 120

33. Which of the following is NOT correct about the cerebellum? (+1, -0.33)

- a. It is a fairly small part of the brain, about 25%.
- b. It is situated in the posterior region of the brain.
- c. It has three parts: two lateral cerebellar hemispheres and a central vermis.
- d. It is a part of the hindbrain.

34. Which Indian actress was appointed as the brand ambassador of the NGO 'Educate Girls' in 2018? (+1, -0.33)
- a. Priyanka Chopra
 - b. Deepika Padukone
 - c. Katrina Kaif
 - d. Vidya Balan
-

35. A train 165 m long crosses a bridge 755 m long in 46 seconds. What is the speed of the train? (+1, -0.33)
- a. 80 km/h
 - b. 78 km/h
 - c. 72 km/h
 - d. 75 km/h
-

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

Statements:

- I. All mats are rugs.
- II. No cloth is a rug.

Conclusions:

- 1. Some mats are cloths.

2. Some rugs are mats.
- a. Neither 1 nor 2 follows.
 - b. Only conclusion 1 follows.
 - c. Only conclusion 2 follows.
 - d. Both 1 and 2 follow.
-

37. Which of the following statements is correct about Newton's third law of motion? (+1, -0.33)
- a. The force is applied on different bodies in opposite directions.
 - b. The force is applied on the same body in opposite directions.
 - c. The force is applied on the same body.
 - d. The force depends on distance.
-

38. Select the item which does not belong to the group. (+1, -0.33)
- a. Gold
 - b. Carbon
 - c. Platinum
 - d. Copper
-

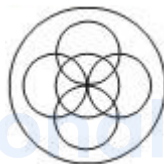
39. In which year was the Veda Samaj established in Madras? (+1, -0.33)
- a. 1864

- b. 1847
- c. 1860
- d. 1852

40. In which year did the writer Arundhati Roy publish her book 'The Ministry of Utmost Happiness'? (+1, -0.33)

- a. 2015
- b. 2018
- c. 2017
- d. 2016

41. Count the total number of circles in the figure given below: (+1, -0.33)



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

42. Atin and Malin together can finish a part of a work in 15 days. They start together, but Malin had to leave 6 days before the work ended. As a result (+1, -0.33)

the work took a total of 18 days to complete. In how many days would Atin alone have completed the work?

- a. 20
 - b. 30
 - c. 24
 - d. 28
-

43. A 300 W electric fan is used for 8 hours per day. The amount of energy consumed by that fan in a day is _____ units. (+1, -0.33)

- a. 2400
 - b. 24
 - c. 0.24
 - d. 2.4
-

44. A _____ is used to measure the force and velocity of wind. (+1, -0.33)

- a. Lactometer
 - b. Thermometer
 - c. Speedometer
 - d. Anemometer
-

45. Solve the following expression. (+1, -0.33)

$$800 - 5 + 600 - 4586 + 58694 - 45 + 5 - 546258 = ?$$

- a. -343495
- b. +343495
- c. +490795
- d. -490795

46. What are the components of solder? (+1, -0.33)

- a. Pb + Sn
- b. Pb + Zn
- c. Cu + Zn
- d. Cu + Sn

47. In the class Reptilia _____. (+1, -0.33)

- a. there is glandular skin with hair.
- b. there is dry and glandless skin with feathers.
- c. there is dry and glandless skin with scales.
- d. there is dry and glandless skin with hair.

48. Which of the following is found at the tips of stems and roots? (+1, -0.33)

- a. Lateral meristem

- b. Parenchyma
- c. Apical meristem
- d. Sclerenchyma

49. The simple interest on a sum of money for 3 years at 12% per annum is ₹ 6,750. What will be the compound interest, compounded annually, on the same sum at the same rate for the same period? (+1, -0.33)

- a. ₹ 7,500.40
- b. ₹ 7,592.40
- c. ₹ 7,000
- d. ₹ 7,092.40

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

A. Shape: Depending on the type of substance, shape varies based on the position of particles. For example, solids have a definite shape whereas liquids take the shape of their container and gases have no shape.

B. Compressibility: It is a property of a substance that flows easily and allows a change in its shape under external forces, and this property is exhibited by both liquids and gases.

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

51. The ratio of the lengths of two legs of a table is 5 : 7. If the difference between them is 18 m, what is the length of the longer leg? (+1, -0.33)

- a. 63
- b. 56
- c. 50
- d. 69

52. What is the probability of drawing a face card from a pack of playing cards? (+1, -0.33)

- a. $\frac{3}{26}$
- b. $\frac{3}{13}$
- c. $\frac{6}{13}$
- d. $\frac{12}{13}$

53. What is VINBAX 2018? (+1, -0.33)

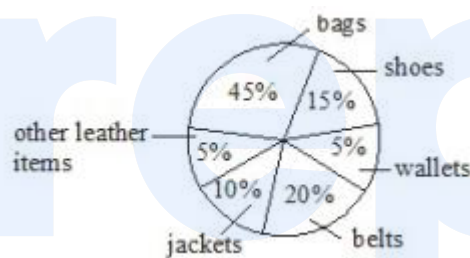
- a. Joint military exercise between India and Vietnam
- b. Joint trade between India and Bhutan
- c. Joint military exercise between India and Bhutan
- d. Joint trade between India and Vietnam

54. Simplify: (+1, -0.33)

$$217 - [1/9\{42 + (56 - 8 + 9)\} + 108] = ?$$

- a. 100
- b. 89
- c. 110
- d. 98

55. The following pie chart shows the revenue of company ABC, a manufacturer of leather products. The total revenue of the company for the year 2015 was ₹ 36,28,000. (+1, -0.33)



How much total revenue was earned from the sale of wallets?

- a. ₹ 75,600
 - b. ₹ 3,62,800
 - c. ₹ 90,700
 - d. ₹ 1,81,400
56. Evaluate. (+1, -0.33)

$$\sqrt{19600} + \sqrt{0.0196} + \sqrt{0.00000196}$$

- a. 141.1414

b. 140.1414

c. 143.1414

d. 142.1414

57. The number of molecules present in 88 g of CO₂ is: (+1, -0.33)

a. 1

b. 2

c. 3

d. 4

58. Sound can propagate through _____. (+1, -0.33)

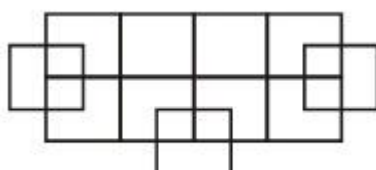
a. liquid medium only

b. all the options

c. solid medium only

d. gaseous medium only

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



a. 21

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

60. In which of the following is a convex mirror used? (+1, -0.33)

- a. Search light
 - b. Headlights of vehicles
 - c. Torch
 - d. Rear-view mirror
-

61. To obtain a high temperature, _____ is generally used in electric heating appliances. (+1, -0.33)

- a. alloy
 - b. metalloid
 - c. metal
 - d. non-metal
-

62. Who won the 2017 IBSF World Snooker Championship title in Doha? (+1, -0.33)

- a. Geet Sethi
- b. Pankaj Advani
- c. Amir Sarkhosh

d. Subhash Agrawal

63. What is the energy contained in a 12 kg object when it is at a height of 5 m from the ground? Given $g = 9.8ms^{-2}$ (+1, -0.33)

a. 528 J

b. 520 J

c. 539 J

d. 588 J

64. A person has kept part of his savings in a bank and the remaining in a post office at simple interest rates of 10% and 8% respectively. If the person keeps his entire savings of ₹ 57,000 in the bank, he would earn ₹ 500 more in interest in one year; find how much he has kept in the bank. (+1, -0.33)

a. ₹ 30,000

b. ₹ 29,000

c. ₹ 32,000

d. ₹ 25,000

65. If the pH value of a salt is zero, then it is a salt of _____. (+1, -0.33)

a. weak acid and weak base

b. strong acid and strong base

c. strong acid and weak base

d. weak acid and strong base

66. A pipe can fill a tank in 8 hours. Due to a leak at the bottom, it takes 12 hours to fill. When the tank is full, how long will the leak take to empty it? (+1, -0.33)

a. 28 hrs

b. 24 hrs

c. 26 hrs

d. 25 hrs

67. There are two vertical poles of heights 8 m and 12 m. A rope is drawn from the top of one pole to the foot of the other. At what height above the ground do the ropes intersect each other? (+1, -0.33)

a. $29/6$ m

b. $24/5$ m

c. $22/7$ m

d. $31/8$ m

68. The statement below is followed by assumptions I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. (+1, -0.33)

Statement:

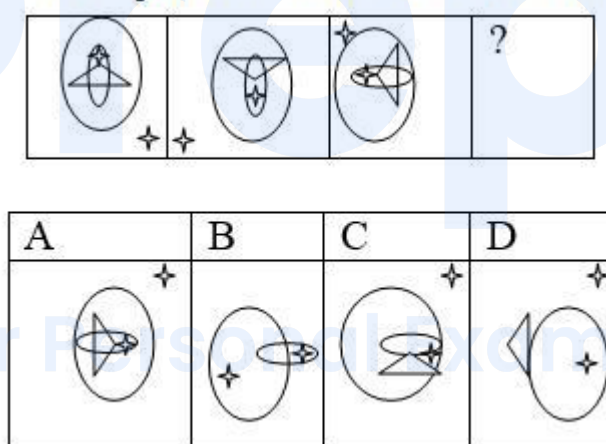
Amrita Shergill is a renowned artist. Her works have been praised around the world.

Assumptions:

- I. Amrita Shergill is a famous artist.
 - II. All artists travel around the world.
- a. Neither I nor II is implicit.
 - b. Both I and II are implicit.
 - c. Only assumption I is implicit.
 - d. Only assumption II is implicit.

69. Choose the next option in the following series.

(+1, -0.33)

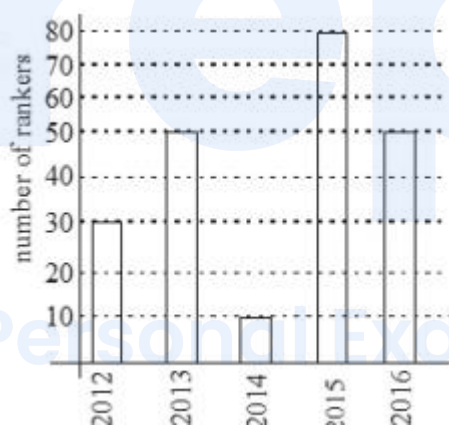


- a. D
- b. B
- c. A
- d. C

70. Who among the following was awarded the Best Actor in a Leading Role – Male (Popular) at the 63rd Jio Filmfare Awards, 2018? (+1, -0.33)

- a. Irrfan Khan
- b. Ranveer Singh
- c. Arjun Kapoor
- d. Shah Rukh Khan

71. The following bar graph gives information about the students qualified from institute "ABC" in a national-level entrance exam over the last 5 years. (+1, -0.33)



How many students qualified from institute "ABC" in the year 2013?

- a. 50
- b. 40
- c. 30
- d. 80

72. Based on the statements given below, which of the two conclusions can be drawn? (+1, -0.33)

Statements: Some rabbits are cats. All cats are monkeys.

Conclusions:

- 1) Some rabbits are monkeys.
- 2) No cat is a rabbit.
- a. Neither 1 nor 2 can be concluded.
- b. Both 1 and 2 can be concluded.
- c. Only 2 can be concluded.
- d. Only 1 can be concluded.

73. Find the height (in cm) of a triangle whose base is 24 cm and area is 84 sq cm. (+1, -0.33)

- a. 7
- b. 3.5
- c. 6
- d. 3

74. P 3 R I M J 3 Q % W @ / N S E 5 X Y I # 8 (+1, -0.33)

In the above arrangement, how many such numbers are there which are immediately preceded by a consonant but not immediately followed by a letter?

- a. Two
 - b. Zero
 - c. Three
 - d. One
-

75. Find the next letter in this series. (+1, -0.33)

R, Y, F, M, T, ?

- a. G
 - b. A
 - c. D
 - d. R
-

76. In 2017, who is the only Indian badminton player to win all four Super Series tournaments in a calendar year and only the fourth shuttler to achieve such a feat? (+1, -0.33)

- a. H.S. Prannoy
 - b. B. Sai Praneeth
 - c. Ajay Jayaram
 - d. Kidambi Srikanth
-

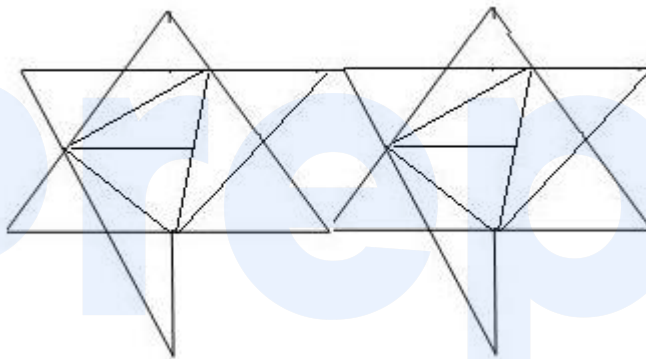
77. The name of the age during which the reproductive organs of human males and females become functional, the gonads start producing (+1, -0.33)

gametes and sex hormones, and humans become sexually mature.

- a. Gamete
- b. Adolescence
- c. Parthenogenesis
- d. Sexual reproduction

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

(+1, -0.33)



- a. 38
- b. 39
- c. 37
- d. 30

79. In the question below, a statement is given followed by two assumptions numbered I and II. You have to decide which of the assumptions is implicit in the statement.

(+1, -0.33)

Statement:

An advertisement claims, "We manufacture the best bikes in India with unique safety features along with high speed."

Assumption:

I. No other bike in India has such safety features.

II. People can afford a bike of this price.

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

80. Nassau is the capital of which country? (+1, -0.33)

- a. Belize
- b. Bahamas
- c. Barbados
- d. Botswana

81. Who among the following was conferred with the Filmfare Lifetime Achievement Award 2017? (+1, -0.33)

- a. Amitabh Bachchan
- b. Rishi Kapoor
- c. Shatrughan Sinha

d. Dilip Kumar

82. In May 2016, which dates were Wednesdays? (+1, -0.33)

- a. 1st, 8th, 15th, 22nd and 29th
 - b. 2nd, 9th, 16th, 23rd and 30th
 - c. 3rd, 10th, 17th and 24th
 - d. 4th, 11th, 18th and 25th
-

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

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

84. Some planets have nicknames, and one of them is the "Red Planet" — which planet is this? (+1, -0.33)

- a. Venus
 - b. Jupiter
 - c. Mars
 - d. Mercury
-

85. Read the given statement and conclusions carefully and select which conclusion logically follows the statement. (+1, -0.33)

Statement:

The CEO of an Indian professional football club said, "Miguel Angel Portugal will be involved in preparing the Stallions for glory in the upcoming season by his assistant Gonzalo Yarza."

Conclusions:

- I. The CEO believes the new coach will boost the team's performance.
 - II. The CEO wants the football team to deliver its best in the upcoming season.
- a. Only conclusion II follows.
 - b. Only conclusion I follows.
 - c. Both conclusions follow.
 - d. No conclusion follows.

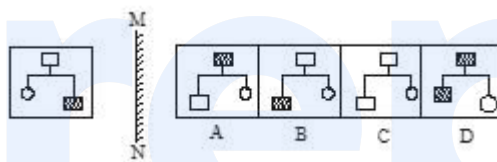
Your Personal Exams Guide

86. In the fourth period of the periodic table, _____ elements are present. (+1, -0.33)
- a. 38
 - b. 8
 - c. 18
 - d. 28
-

87. Pointing to a photograph, Neel says, "He is the son of the only daughter of my sister's father." Whom is he pointing to? (+1, -0.33)

- a. Friend
- b. Cousin
- c. Niece
- d. Nephew

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



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

89. When $\frac{1}{450}$ is written as a recurring decimal, it is equal to: (+1, -0.33)

- a. $0.0\dot{2}$
- b. $0.00\dot{2}$
- c. $0.000\dot{2}$
- d. $0.\dot{2}$

90. Every object in the universe attracts every other object with a force which is inversely proportional to the square of _____. (+1, -0.33)
- a. their energies
 - b. their velocities
 - c. their masses
 - d. the distance between them
-

91. The value of $20.9 + 2.09 + 0.209 + 0.029 + 29$ is: (+1, -0.33)
- a. 52.228
 - b. 42.228
 - c. 62.228
 - d. 52
-

92. Who has been the Chief Executive Officer (CEO) of Wipro since February 2016? (+1, -0.33)
- a. Nishi Vasudeva
 - b. Abidali Neemuchwala
 - c. Kalanithi Maran
 - d. Bhaskar Bhat
-

93. What is the minimum age required to vote in elections in India? (+1, -0.33)
-

- a. 25 years
- b. 16 years
- c. 18 years
- d. 21 years

94. The difference between the compound interest and the simple interest on a sum at 15% per annum for 3 years is ₹ 283.50. Find the sum. (+1, -0.33)

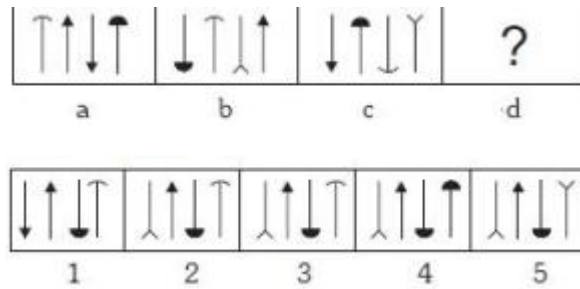
- a. ₹ 4,000
- b. ₹ 4,444
- c. ₹ 4,400
- d. ₹ 4,040

95. _____ is the oldest Upanishad. (+1, -0.33)

- a. Kena Upanishad
- b. Chandogya Upanishad
- c. Mandukya Upanishad
- d. Isha Upanishad

96. From the answer figures, select the figure which is related to question figure c in the same way as question figure b is related to question figure a. (+1, -0.33)

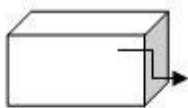
Question figures:



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

97. Neeraj's age is three times Suraj's age. If 5 years are subtracted from Neeraj's age and 6 years are added to Suraj's age, Neeraj's age becomes twice Suraj's age. What were the ages of Suraj and Neeraj 3 years ago? (+1, -0.33)
- a. 17 years, 51 years
 - b. 14 years, 48 years
 - c. 26 years, 12 years
 - d. 30 years, 15 years

98. Which of the following answer figures bears the closest resemblance to the question figures? (+1, -0.33)



A	B	C	D

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

99. The dimensions of a rectangular plot of land, given correct to the nearest integer, are 37 m and 23 m. What is the upper bound of the perimeter of the rectangle? (+1, -0.33)

- a. 60 m
- b. 61 m
- c. 122 m
- d. 120 m

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

14K, 16M, 18O, 20Q, ?

- a. 22S

b. 22Z

c. 20B

d. 15Q

prepp

Your Personal Exams Guide