



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 (9-Oct-2018) (Shift 3)

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.

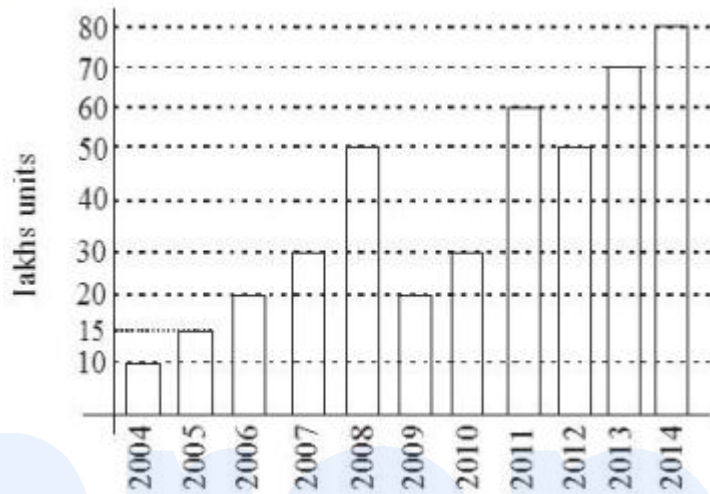
Navigating & Answering a Question

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. The bar graph given below shows information about personal computers sold by 'XYZ' company in the last 10 years. (+1, -0.33)



How many units of personal computers were sold by the company in the year 2005?

- a. 20
- b. 10
- c. 25
- d. 15

2. The statement given below is followed by Assumptions I and II. You have to consider the statement and the assumptions that follow and decide which of the assumptions is/are implicit in the statement. (+1, -0.33)

Statement:

Because of heavy traffic I reached the airport late and I missed my flight.

Assumptions:

I. Reaching on time is very important for catching a flight.

II. There is always heavy traffic on the route to the airport.

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

-
3. Read the given statement and courses of action carefully and choose the logical course of action that follows the statement. (+1, -0.33)

Statement:

Cargo agents have a large backlog of consignment deliveries because cargo space is not available.

Courses of Action:

- 1. To solve this problem, agents should work with the airlines.
 - 2. To solve this problem, the reasons for more air exports should be identified.
- a. Both 1 and 2 follow
 - b. Neither 1 nor 2 follows
 - c. Only 2 follows
 - d. Only 1 follows
-

4. Pointing to the picture of a girl, Nita said, "She is the daughter of my father's only daughter." How is Nita related to the girl? (+1, -0.33)

- a. Cousin sister
- b. Mother
- c. Aunt
- d. Sister

5. Who is the first Indian woman Grandmaster in chess? (+1, -0.33)

- a. Kruttika Nadig
- b. S. Vijayalakshmi
- c. Padmini Rout
- d. Humpy Koneru

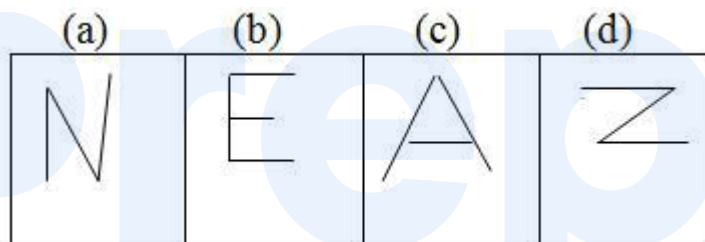
6. If Raghu buys a book for ₹ 800 and sells it for ₹ 1000, what is the profit percentage? (+1, -0.33)

- a. 40%
- b. 20%
- c. 25%
- d. 30%

7. Which Indian Cabinet Minister is currently responsible for National Defence? (+1, -0.33)

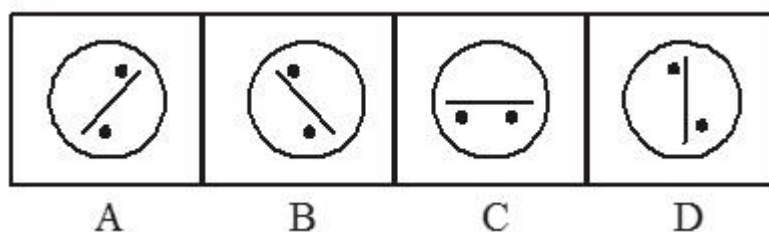
- a. Manohar Parrikar
- b. K. C. Pant
- c. A. K. Antony
- d. Nirmala Sitharaman

8. Select the odd one out from the following: (+1, -0.33)



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

9. Select the odd one out from these: (+1, -0.33)



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

10. Read the given statements and conclusions carefully and choose which conclusion logically follows from the statements. (+1, -0.33)

Statements:

- I. All mountains are metals.
- II. All metals are elements.

Conclusions:

- 1. All elements are mountains.
 - 2. All elements are metals.
- a. Both conclusions 1 and 2 follow.
 - b. Only conclusion 2 follows.
 - c. Neither conclusion 1 nor 2 follows.
 - d. Only conclusion 1 follows.

11. A tank has two pipes which can fill it in 6 and 8 hours respectively. An outlet pipe can empty the full tank in 10 hours. Both inlet pipes are opened for one hour and then closed. After this all three are opened together; in how many hours will the remaining tank be filled? (+1, -0.33)

- a. $3\frac{16}{23}$ hours
- b. $6\frac{11}{46}$ hours
- c. $5\frac{15}{23}$ hours
- d. $5\frac{15}{46}$ hours

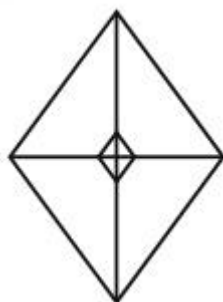
12. In a triangle, if $\angle B = 90^\circ$ and $\angle A = 30^\circ$, then $\cos^2 A - \sin^2 A - \tan^2 A = ?$ (+1, -0.33)

- a. $\frac{3}{2}$
- b. $\frac{2}{3}$
- c. $\frac{1}{2}$
- d. $\frac{1}{6}$

13. Which of these is not a democratic country? (+1, -0.33)

- a. America
- b. China
- c. Sri Lanka
- d. India

14. Count the number of triangles in the figure below. (+1, -0.33)



- a. 15
- b. 17
- c. 18
- d. 16

15. A charge of 300 C flows through a circuit in 10 minutes. Find the current flowing through the circuit. (+1, -0.33)

- a. 50 A
- b. 0.5 A
- c. 0.05 A
- d. 5 A

16. An object has a weight of 60 N when measured on the surface of the Earth. What will its weight be on the surface of the Moon? (+1, -0.33)

- a. 360 KG
- b. 10 N
- c. 360 N

d. 10 kg

17. If $a^2 + b^2 = c^2$, three integers named a, b and c form a Pythagorean triple (a, b, c). If the maximum value in the Pythagorean triple is 37, find its minimum value. (+1, -0.33)

a. 12

b. 25

c. 17

d. 5

18. According to the nature of the gas, ----- substances glow with a particular colour. (+1, -0.33)

a. Liquid

b. Solid

c. Semi-solid

d. Plasma

19. Driving at a speed of 60 km/hr, Indra reaches his destination 3 minutes before time. If he had driven at 54 km/hr, he would have reached 2 minutes late. Find the total distance covered by Indra. (+1, -0.33)

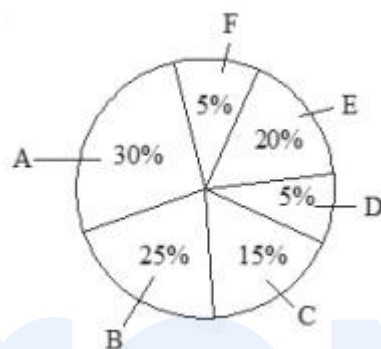
a. 48 km

b. 49 km

c. 50 km

d. 45 km

20. The following pie chart gives information about the Non-Performing Assets (NPA) in various banks of India up to December 2017. If the total NPA of all banks is 300 lakh crore, what is the NPA (in lakh crore) of bank 'F'? (+1, -0.33)



- a. 20
b. 5
c. 10
d. 15

Your Personal Exams Guide

21. Which of the following solutions does not conduct electricity? (+1, -0.33)
- a. Sugar
b. Calcium chloride
c. Sodium hydroxide
d. Sodium chloride

22. In triangle ABC, side BC is extended to point D such that AC equals CD. If $\angle BAD = 109^\circ$ and $\angle ACB = 72^\circ$, find $\angle ABC$. (+1, -0.33)

- a. 35°
- b. 30°
- c. 45°
- d. 40°

23. When a sound wave passes through a medium, its _____ remains unchanged. (+1, -0.33)

- a. Amplitude
- b. Frequency
- c. Speed
- d. Wavelength

24. What is the LCM of 64, 125 and 108? (+1, -0.33)

- a. $2^2 \times 3^2 \times 4^2$
- b. $3^2 \times 4^2 \times 5^2$
- c. $2^6 \times 5^3 \times 3^3$
- d. $2^2 \times 3^2 \times 5^2$

25. The square root of 7396 is _____. (+1, -0.33)

- a. 84
- b. 86
- c. 94
- d. 96

26. The difference between the ages of Najeeb and Piyali is 4 years. When they got married to each other 36 years ago, 5 times Najeeb's age was equal to 6 times Piyali's age. What is the sum of their present ages? (+1, -0.33)

- a. 110 years
- b. 112 years
- c. 105 years
- d. 116 years

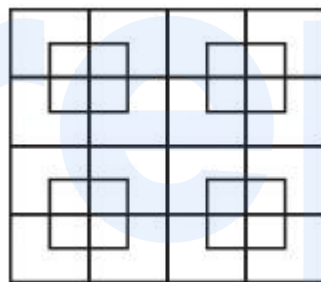
27. Two cubes, each with a volume of 729 cm^3 , are joined end to end. The total surface area of the cuboid formed by joining the two cubes will be -----.

- a. 729 cm^2
- b. 810 cm^2
- c. 720 cm^2
- d. 841 cm^2

28. On the surface of the Earth, where air friction is negligible, an object falls with _____. (+1, -0.33)

- a. uniform velocity
- b. non-uniform acceleration
- c. uniform acceleration
- d. uniform speed

29. Find the number of squares in the given figure: (+1, -0.33)



- a. 50
- b. 52
- c. 48
- d. 46

30. What is the pure decimal form of $\frac{4.8}{125}$? (+1, -0.33)

- a. 0.0374
- b. 0.0394

c. 0.0364

d. 0.0384

-
31. Read the given statements and conclusions carefully and select the conclusion(s) that logically follow(s) from the statements. (+1, -0.33)

Statements:

Some plastics are wool. Some wool are paper.

Conclusions:

1. Some plastics are paper.

2. Some papers are plastic.

a. Neither 1 nor 2 follows

b. Only 2 follows

c. Only 1 follows

d. Both 1 and 2 follow

-
32. Find the missing term in the following series. (+1, -0.33)

Cup : Glass :: Kettle : _____

a. Boil

b. Beverage

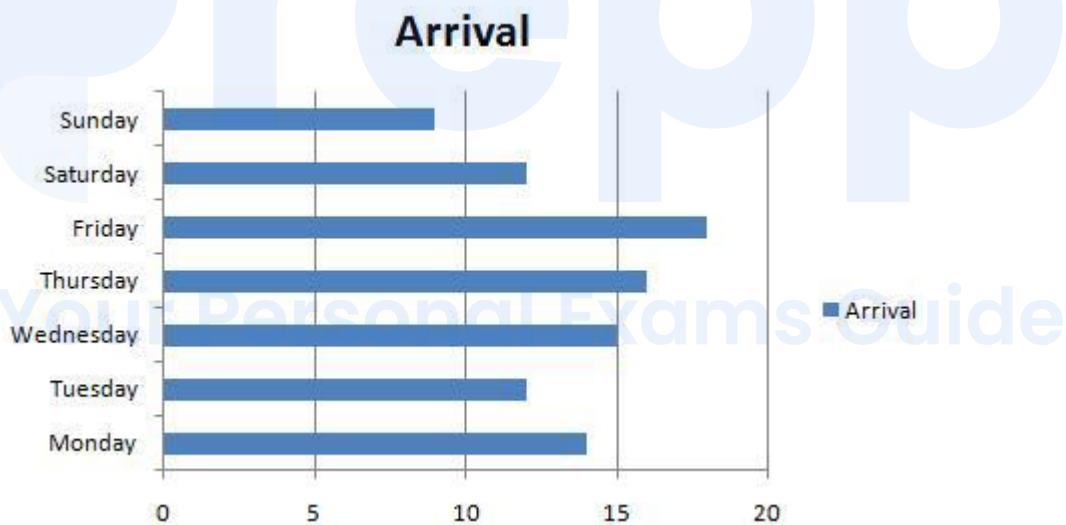
c. Handi

d. Plate

33. 15 men working 8 hours a day complete a task in 21 days. If 3 women do the same amount of work as 2 men, in how many days will 21 women complete the task working 6 hours a day? (+1, -0.33)

- a. 29 days
- b. 55 days
- c. 22 days
- d. 30 days

34. Based on the given graph, on which day was the number of arrivals maximum? (+1, -0.33)



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

35. _____ is usually prepared by the reaction of an acid and an alcohol. (+1, -0.33)

- a. Carboxylic acid
- b. Ketone
- c. Ethanol
- d. Ester

36. Which of the following is not a characteristic of sound? (+1, -0.33)

- a. Quality
- b. Pitch
- c. Loudness
- d. Vibration

37. Vaishnavi is in college at 5 pm. If the hour hand of her watch points towards the south-east, in which direction will the minute hand point? (+1, -0.33)

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

38. What is the square root of 3721? (+1, -0.33)

- a. 61
 - b. 59
 - c. 69
 - d. 71
-

39. Jaswir Singh is associated with which sport? (+1, -0.33)

- a. Shooting
 - b. Kabaddi
 - c. Cricket
 - d. Hockey
-

40. Jowar, bajra and ragi are together known as _____. (+1, -0.33)

- a. Horticulture
 - b. Pulses
 - c. Paddy
 - d. Millets
-

41. A monohybrid cross involves _____ pair(s) of contrasting characters. (+1, -0.33)

- a. three
- b. only one

- c. only two
- d. eight

42. $23+3+33+333+3.33 = ?$ (+1, -0.33)

- a. 702.33
- b. 372.33
- c. 395.33
- d. 702

43. The language used in the Upanishads is _____. (+1, -0.33)

- a. Sanskrit
- b. Pali
- c. Brahmi
- d. Prakrit

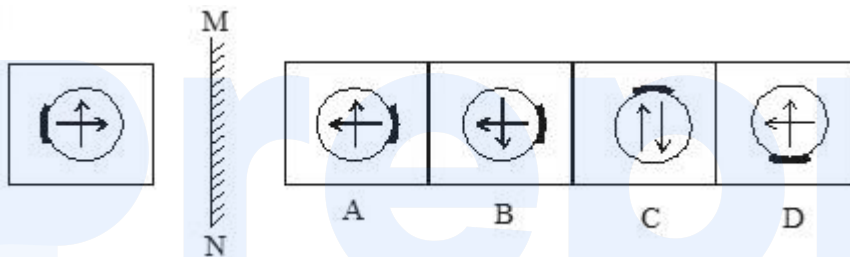
44. Who is known as the first Indian woman blade runner? (+1, -0.33)

- a. Deepthi Baskar
- b. Sirichandna
- c. Kiran Kanojia
- d. Shalini Saraswathi

45. _____ have special tissues for the conduction of water. (+1, -0.33)

- a. Gymnosperms
- b. Fungi
- c. Thallophyta
- d. Bryophyta

46. Choose the mirror image of the figure given below: (+1, -0.33)



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

47. What is the name of SBI's flagship comprehensive digital product that has been built using the world's latest digital technology? (+1, -0.33)

- a. You Need One (YNO)
- b. You Only Need One (YONO)
- c. You Also Need One (YANO)

d. You Only Need (YON)

48. Which of the following films won the Best Indian Film of the Year award for 2016 at the 62nd Jio Filmfare Awards? (+1, -0.33)

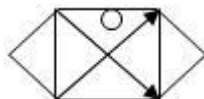
- a. Dangal
- b. Pink
- c. Neerja
- d. Kapoor & Sons

49. An object of mass 15 kg is moving with a uniform velocity of 2 ms^{-1} . What is the kinetic energy of the object? (+1, -0.33)

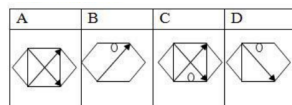
- a. 187.5 ms
- b. 17.5 J
- c. 187.5 J
- d. 30 J

50. Which of the following option figures shows the closest similarity to the question figure? (+1, -0.33)

Question Figure:



Option Figures:



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

51. Leela has a garden on her terrace, for which she buys supplies from a gardener on a monthly basis. The items of her expenditure are as follows: (+1, -0.33)

Item	Expenditure %
New species of plants	20
Manure	40
Soil	10
Cow dung	20
Other items	10

If she spends ₹ 750 on manure, what will be her expected expenditure on new plants?

- a. ₹ 350
- b. ₹ 355
- c. ₹ 375
- d. ₹ 250

52. Which of the following languages is also known as 'Magadhi' and is spoken in the Bihar-Jharkhand region of eastern India? (+1, -0.33)

- a. Meitei
- b. Bhojpuri
- c. Maithili
- d. Magahi

53. Find the least common multiple (LCM) of x and $(x+3)$. (+1, -0.33)

- a. $x^2(x+3)$
- b. $(x+3)$
- c. $x(x+3)$
- d. x

54. If the resistance of a bulb filament is 500 ohm, how much current will flow through the electric bulb from a 220 V source? (+1, -0.33)

- a. 4.4 A
- b. 40 A
- c. 0.44 A
- d. 44 A

55. If A is an acute angle and $\csc A = \sqrt{2}$, what is the value of $4 \sin 2A \div \sec A$? (+1, -0.33)

- a. $4\sqrt{2}$
- b. $\frac{1}{(\sqrt{2})}$
- c. $4 - \sqrt{2}$
- d. $2\sqrt{2}$

56. Add the following:

(+1, -0.33)

$$\frac{1}{2} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42}$$

- a. $\frac{19}{21}$
- b. $\frac{5}{7}$
- c. $\frac{6}{7}$
- d. $\frac{16}{21}$

57. The force due to which every body in the universe attracts every other body is called _____.

(+1, -0.33)

- a. Gravitational force
- b. Nuclear force
- c. Repulsive force
- d. Electromagnetic force

58. Who has been appointed as India's Ambassador to Bolivia?

(+1, -0.33)

- a. M. Subbarayudu

- b. Mukta Dutta
- c. Sunil Kumar Lal
- d. C. P. Ahmad Javed

59. Which of the following is not a part of the anther? (+1, -0.33)

- a. Pollen grain
- b. Carpel
- c. Connective
- d. Anther sac

60. Choose the odd one out: (+1, -0.33)

M	N	O	η
A	B	C	D

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

61. _____ is a saturated hydrocarbon. (+1, -0.33)

- a. Propene

- b. Ethene
- c. Ethane
- d. Acetylene

62. Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement. (+1, -0.33)

Statement:

The tailor says to his customer, "We regret the delay. Your suit will be ready by the end of this week. You need not come to collect it. We will send it to your home. Kindly leave your address with us."

Conclusions:

- I. The tailor provides a delivery service.
 - II. The tailor had delayed the customer's work and therefore offered home delivery.
- a. Only conclusion I follows
 - b. Both conclusions follow
 - c. Neither conclusion follows
 - d. Only conclusion II follows

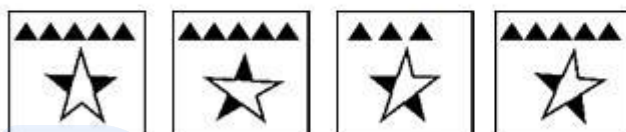
63. Which of the following options is not true about RBC? (+1, -0.33)

- a. Function - transport of oxygen and carbon dioxide
- b. Shape - amoeboid or circular shape

c. RBC can be counted by an instrument called haemocytometer.

d. Length - $(7.5 \text{ } \mu\text{m})$

64. Choose the figure from the alternative figures given below that completes the series: (+1, -0.33)



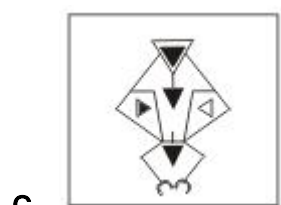
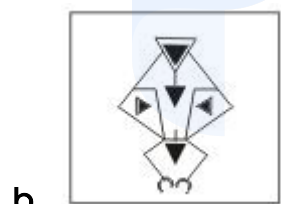
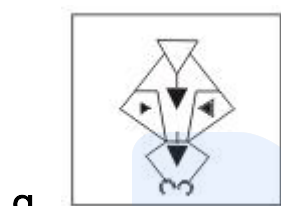
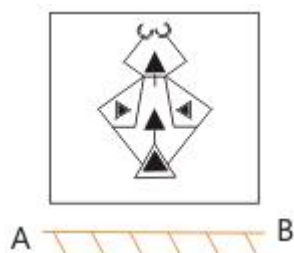
- a. C
b. A
c. B
d. D

65. A class had 24 boys and some girls. In a test, the average score obtained by the boys was 15 and the average score obtained by the girls was 17. If the overall average was 15.8, what was the total number of students in the class? (+1, -0.33)

- a. 45
b. 36
c. 42

d. 40

66. Choose the mirror image of the above figure with reference to the line AB: (+1, -0.33)



67. In which year was the Poona Pact signed?

(+1, -0.33)

- a. 1912
- b. 1942
- c. 1932
- d. 1922

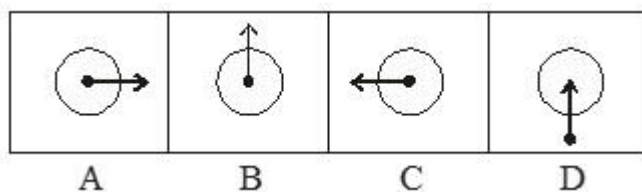
68. A pipe fills a tank 6 times faster than another pipe. If both pipes together can fill the tank in 22 min, in what time can the faster pipe fill the tank alone?

(+1, -0.33)

- a. 27 min
- b. 25.66 min
- c. 28 min
- d. 30 min

69. Choose the odd one out:

(+1, -0.33)



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

d. C

70. The ratio of two numbers is 5 : 4. If their LCM is 180, find the numbers. (+1, -0.33)

- a. 63 and 54
 - b. 45 and 36
 - c. 100 and 80
 - d. 90 and 72
-

71. Which of the following group is called 'Cryptogams'? (+1, -0.33)

- a. Gymnosperms, Angiosperms and Thallophyta
 - b. Thallophyta, Pteridophyta and Bryophyta
 - c. Bryophyta, Pteridophyta and Angiosperms
 - d. Thallophyta, Bryophyta and Angiosperms
-

72. Who was awarded the Padma Bhushan in the field of Art - Painting for the year 2018? (+1, -0.33)

- a. Nandalal Bose
 - b. Laxman Pai
 - c. Jamini Roy
 - d. M.F. Husain
-

73. The arithmetic mean of the distribution given below is 8.2, find the value of 'a'. (+1, -0.33)

x_i	1	3	5	9	11	13
f_i	3	2	7	a	4	8

- a. 5
- b. 11
- c. 9
- d. 6
-
74. On selling an article at 5% and 10% profit, there is a difference of ₹ 30. The cost price of that article is _____. (+1, -0.33)
- a. ₹ 1200
- b. ₹ 900
- c. ₹ 600
- d. ₹ 500
-
75. A and B can complete a work in 18 days. However, A had to leave the work a few days before completion and because of this it took a total of 27 days to complete the work. If A alone can finish the work in 21 days, how many days before the completion of work did A leave? (+1, -0.33)
- a. 14
- b. 10.5

- c. 9
- d. 12.5

76. A two-digit number has digits whose sum is 9. If 27 is added to the number, its digits are interchanged. Find the number. (+1, -0.33)

- a. 72
- b. 45
- c. 63
- d. 36

77. Read the given statements and conclusions carefully and select which conclusions logically follow from the statements. (+1, -0.33)

Statements:

- All rings are metals.
- All metals are amalgams.

Conclusions:

1. All rings are amalgams.
2. Some amalgams are metals.

- a. Only conclusion 2 follows
- b. No conclusion follows
- c. Only conclusion 1 follows
- d. All conclusions follow.

78. In an examination, Chiradeep scored 57 marks, which was equal to 76% of the marks. What was the total marks of the examination? (+1, -0.33)

- a. 80
- b. 75
- c. 85
- d. 65

79. What is the ranking of shuttler P.V. Sindhu in the latest 2017 BWF rankings? (+1, -0.33)

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

80. Narcondam Island is a volcanic island of 6.8 km^2 , located approximately 240 km to the _____ of Port Blair in the Andaman Islands. (+1, -0.33)

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

81. If Q means $\div$, J means $\times$, T means $-$, and K means $+$, then what is the value of $40K5Q6J2T13$? (+1, -0.33)

- a. 17
- b. 7
- c. 12
- d. 10

82. Amir Khusro was a famous musician in the court of which ruler? (+1, -0.33)

- a. Jahangir
- b. Aurangzeb
- c. Alauddin Khilji
- d. Shah Jahan

83. In June 2018, who launched Financial Literacy Week across the country with Consumer Protection as the main theme? (+1, -0.33)

- a. Axis Bank
- b. ICICI Bank
- c. Reserve Bank of India (RBI)
- d. State Bank of India

84. In a molecule of water, the ratio of hydrogen to oxygen (H : O) is _____ (+1, -0.33)

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

85. The kinetic energy of an object increases with _____. (+1, -0.33)

- a. Height
- b. Displacement
- c. Distance
- d. Velocity

86. Van Mahotsav, which means 'festival of trees', is celebrated in India in the _____ of July. (+1, -0.33)

- a. Third week
- b. First week
- c. Last week
- d. Second week

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

Statement:

A dance teacher tells a student, "Follow these points to achieve excellence in your dance."

Assumptions:

I. The students were not dancing with excellence.

II. Some dance teachers dance with excellence.

- a. Neither 1 nor 2 is implicit
- b. Only assumption 1 is implicit
- c. Both 1 and 2 are implicit
- d. Only assumption 2 is implicit

88. The ratio between two numbers is 4:5. If 6 is added to both, their ratio becomes 11:13. The original numbers are _____. (+1, -0.33)

- a. 16, 20
- b. 10, 18
- c. 25, 45
- d. 5, 9

89. Mehbooba Mufti, former Chief Minister of Jammu and Kashmir, belongs to which Indian political party? (+1, -0.33)

- a. Communist Party of India (Marxist)
 - b. Jammu and Kashmir Peoples Democratic Party
 - c. Indian National Congress
 - d. Bharatiya Janata Party
-

90. In males, the common passage for sperm and urine is the _____. (+1, -0.33)

- a. Vas deferens
 - b. Urethra
 - c. Ureter
 - d. Scrotal sac
-

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

W, R, N, K, ?

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

92. Which of the following statements is true for the gravitational force between two bodies? (+1, -0.33)

- a. The gravitational force between two bodies is always repulsive.

- b. The gravitational force between two bodies is always attractive.
 - c. The gravitational force between two bodies can be repulsive or attractive.
 - d. The gravitational force between two bodies is neutral.
-

93. During whitewashing with lime, Ca(OH)_2 slowly reacts with _____ in air to form a thin layer of CaCO_3 on the walls. (+1, -0.33)

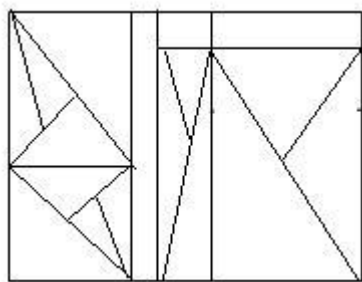
- a. SO_2
 - b. CO
 - c. O_2
 - d. CO_2
-

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

Optimist : Pessimist :: Success : ?

- a. Leading
 - b. Failure
 - c. Hard work
 - d. Motivation
-

95. How many triangles are there in the figure given below? (+1, -0.33)



- a. 22
- b. 21
- c. 24
- d. 23

96. Which of the following statement(s) is/are true? (+1, -0.33)

- A. Rigidity: The mass per unit of a substance is known as its rigidity.
- B. Kinetic Energy: It is the type of energy present in a substance due to the particles that are in continuous motion in the substance. This is also the cause of motion in matter.

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

97. Which of the following is not the electronic configuration of a non-metal? (+1, -0.33)

- a. 2,8,6
- b. 2,8,7

c. 2,8,4

d. 2,8,5

98. 1 joule = ?

(+1, -0.33)

a. 1 Newton $\times$ 1 metre

b. 1 Pascal $\times$ 1 metre

c. 1 erg $\times$ 1 metre

d. 1 watt $\times$ 1 metre

99. Who was awarded the Sahitya Akademi Award in Hindi for the work 'Vishwa Mithak Sarit Sagar'?

(+1, -0.33)

a. Nasira Sharma

b. Nizam Siddiqui

c. Satya Prakash Joshi

d. Ramesh Kuntal Megh

100. What comes next in the given series?

(+1, -0.33)

3J, 6L, 18N, 72P, ?

a. 250K

b. 65G

c. 360R

d. 369M

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