



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 2019 Question Paper (26-Aug-2022) (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. In a trapezoidal field $PQRS$, $PQ \parallel RS$, $PQ = 12$ m, $RS = 22$ m, and the distance between PQ and RS is 14 m. Two crops are to be sown in equal areas in it. Find the area available for each crop. (+1, -0.33)
 - a. 119 m^2
 - b. 213 m^2
 - c. 190 m^2
 - d. 238 m^2

2. Rigveda is the holiest of the four Vedas, containing 10 chapters (called Mandalas) of _____ Suktas containing 10,600 verses. (+1, -0.33)
 - a. 1,028
 - b. 1,128
 - c. 1,210
 - d. 1,230

3. Select the option that is related to the fifth number in the same way as the second number is related to the first number, and the fourth number is related to the third number. $34 : 51 :: 28 : 42 :: 46 : ?$ (+1, -0.33)
 - a. 53
 - b. 26
 - c. 69

d. 35

4. Which of the following groups of organisms derives nutrition from other plants and animals without killing them? (+1, -0.33)

- a. Lice, Tapeworm, Leech, Cuscuta (Amarbel)
 - b. Tapeworm, Lion, Yeast, Lice
 - c. Cuscuta (Amarbel), Orchid, Yeast, Mushroom
 - d. Mite (Kutki), Leech, Cuscuta (Amarbel), Orchid
-

5. $x^2 - 2x + 3 = 0$ is a _____. (+1, -0.33)

- a. Cubic equation
 - b. Quadratic equation
 - c. Quadratic polynomial
 - d. Cubic polynomial
-

6. Mohan's age is 150% of Rohan's age. Sohan's age is 250% of Rohan's age. If the sum of the ages of these three persons is 60 years, then find the age of Rohan. (+1, -0.33)

- a. 14 years
 - b. 15 years
 - c. 13 years
 - d. 12 years
-

7. Find the area of plastic sheet required to make a box of length 5 cm, width 10 cm and height 15 cm. (+1, -0.33)

- a. 650 cm^2
- b. 550 cm^2
- c. 600 cm^2
- d. 500 cm^2

8. If a substance gains oxygen during a reaction, it is said to be _____. (+1, -0.33)

- a. Neutralized
- b. Decomposed
- c. Oxidized
- d. Reduced

9. An item with a marked price of ₹275 is sold at a 5% discount. The seller still makes a profit of 4.5%. How much did he pay for it? (+1, -0.33)

- a. ₹250
 - b. ₹225
 - c. ₹125
 - d. ₹200
-

10. Shanmukha walks 90 m towards South direction from a bank. Then she turns right and walks 110 m. Then she turns right again and walks 90 m. Finally, she turns right and walks 220 m. In which direction is she now with respect to the bank? (All turns are 90° turns only) (+1, -0.33)
- South
 - North
 - West
 - East
-
11. A square table was surrounded by eight chairs, four of which were at the corners of the table, while the other four were exactly in the middle of the sides of the table. Six people D, E, F, G, H and I were sitting around this square table facing the center of the table. Two chairs at the corners of the table were empty. E and I were sitting on diagonally opposite corners to each other. H was second to the left of G, and D was second to the right of F. G was sitting to the right and immediately next to E. Who was in front of H? (+1, -0.33)
- I
 - Empty chair
 - D
 - F
-
12. A light ray is incident at point M of a convex mirror of radius of curvature 20 cm (pole P). It is reflected back along the same path, and appears to come from its centre of curvature C. Following the new Cartesian sign convention, $PC = \text{-----}$. (+1, -0.33)

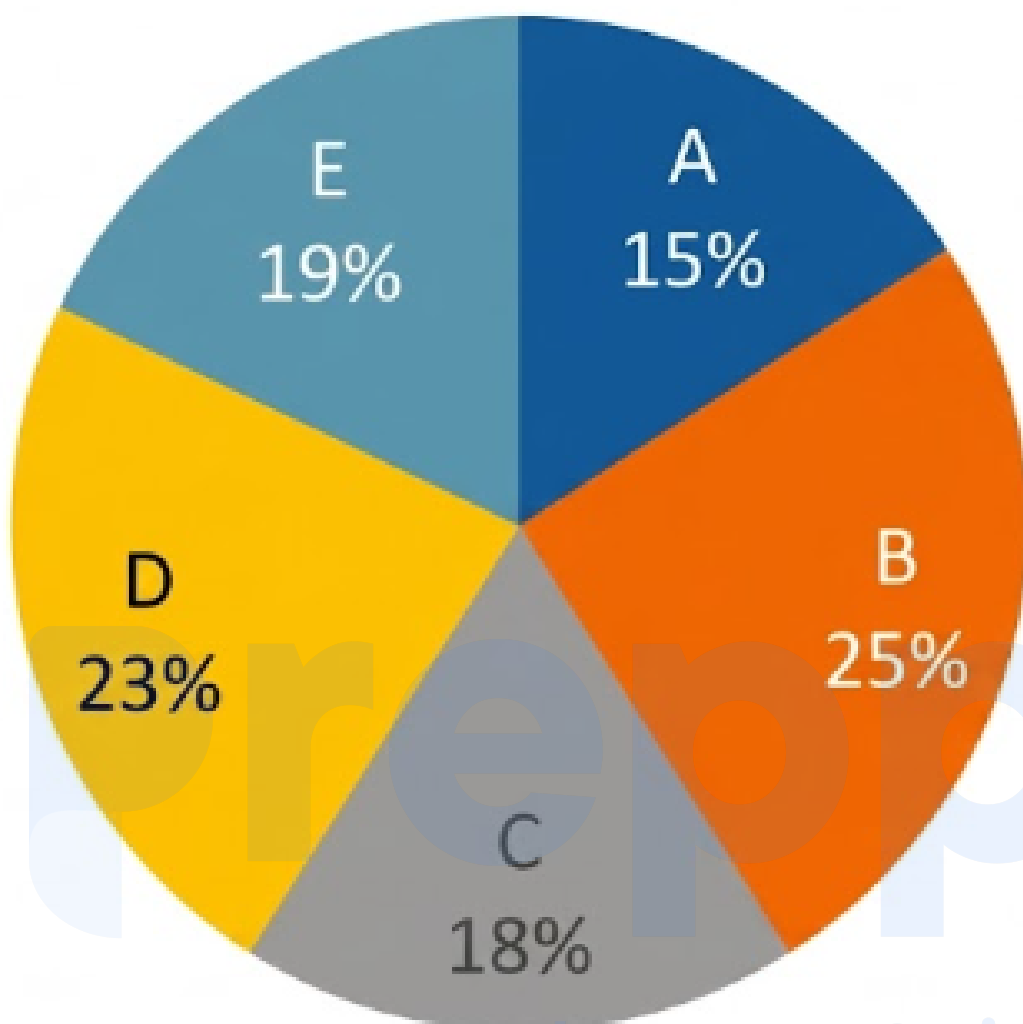
- a. 10 cm
- b. -20 cm
- c. 20 cm
- d. -10 cm

13. If a sum of ₹9,375 is invested at an annual compound interest rate of 8%, compounded semi-annually, find the amount received after one year. (+1, -0.33)

- a. ₹10,430
- b. ₹10,220
- c. ₹10,140
- d. ₹10,300

14. The following pie chart provides information related to rice production (in %) in five Indian states - A to E. Study the chart and answer the question asked (+1, -0.33)

.



Your Personal Exams Guide

■ A ■ B ■ C ■ D ■ E

By what percentage is the rice production in State C less than the rice production in State B?

- a. 32%
- b. 40%

c. 28%

d. 35%

15. A 1.0-cm long object is placed at a distance of 12 cm on the principal axis of a convex lens with a focal length of 8 cm. The height of the image formed will be _____. (+1, -0.33)

a. 2.0 cm

b. 3.0 cm

c. 1 cm

d. 1.5 cm

16. Which of these methods can be used to increase the magnitude of induced potential difference in a coil due to change in magnetic field? (i) Increasing the number of turns in the coil (ii) Increasing the strength of magnetic field (iii) Increasing the resistivity of the wire of the coil (+1, -0.33)

a. Both (i) and (iii)

b. Both (i) and (ii)

c. Only (ii)

d. Only (i)

17. Which of the following fundamental rights is included in Article 16 of the Indian Constitution? (+1, -0.33)

a. Equality of opportunity in matters of public employment

- b. Abolition of titles
- c. Abolition of untouchability
- d. Equality before the law

18. X spends 16% of his monthly income on travel, 40% on grocery items, and 14% on family medical expenses every month. He is left with a remaining amount of ₹9,630. Find his annual income. (+1, -0.33)

- a. ₹3,85,200
- b. ₹23,767
- c. ₹2,85,200
- d. ₹32,100

19. Which of the following is a protein-digesting enzyme produced in the stomach? (+1, -0.33)

- a. HCl
- b. Enterokinase
- c. Pepsin
- d. Maltase

20. The resistance of a wire of length L and cross-sectional area A is $0.5\ \Omega$. The resistance of a wire of length (L) and cross-sectional area $2A$ made of the same material will be _____.

- a. $0.5\ \Omega$

b. 0.25Ω

c. 4.0Ω

d. 1.0Ω

21. A concave mirror is made from a part of a sphere of radius 16.0 cm. Its principal focus will be at a distance of _____ from its pole. (+1, -0.33)

a. 4.0 cm

b. 16.0 cm

c. 8.0 cm

d. 32.0 cm

22. Match the following: (+1, -0.33)

Events: 1. Arrival of Simon Commission in India 2. Arrival of Cripps Mission in India 3. Jallianwala Bagh Massacre 4. Chauri-Chaura incident

Year: a. 1919 b. 1928 c. 1942 d. 1922

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

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

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

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

23. Find the quadratic equation whose roots are equal to the sum and product of the roots of the quadratic equation $2x^2 + 4x - 1 = 0$. (+1, -0.33)

a. $-x^2 + 5x + 1 = 0$

b. $x^2 + 2x + 5 = 0$

c. $2x^2 - x + 5 = 0$

d. $2x^2 + 5x + 2 = 0$

24. Which of the following festivals is also called 'Rural Olympics'? (+1, -0.33)

a. Kila Raipur Sports Festival

b. Pushkar Mela

c. Dree Festival

d. Onam Festival

25. When lead nitrate is heated, lead oxide, oxygen gas and a brown mystery gas are formed. What is that mysterious gas? (+1, -0.33)

a. Nitrous oxide

b. Carbon dioxide

c. Nitrogen dioxide

d. Carbon monoxide

26. If the lowest common multiple (LCM) of 27 and n is 54, and the highest common factor (HCF) is 9, then find the value of n . (+1, -0.33)

a. 54

- b. 18
 - c. 24
 - d. 36
-

27. Select the number that will replace the question mark (?) in the following series. 25, 29, 23, 25, 21, ?, 19, 17 (+1, -0.33)

- a. 21
 - b. 19
 - c. 27
 - d. 31
-

28. Eight persons - A, B, C, D, E, F, G and H, are sitting in a straight row facing north. H is at the third position from the left end. A sits to the immediate right of H. There are only three persons between A and D. G is second to the left of D, and F and C sit next to G. There are only four persons between E and C. How many persons are there between B and F? (+1, -0.33)

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

29. Examinations of six persons P, Q, R, S, T and U are scheduled on different days of the same week starting from Monday and ending on Saturday. R's examination is on Tuesday. Exactly one student has examination between

P and R. Q's exam is on the day immediately after P. None of them has exam before U, and S's exam is on the day immediately after R. On which day is T's exam?

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

30. If $5 \times 7 - [23 - \{35 - (20 - x)\}] = 42$, then find the value of x . (+1, -0.33)

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

31. A statement is given below followed by four conclusions. Tell which conclusion is true based on the given statement? Statement: $B > D > H < T = P < A$ (+1, -0.33)

- a. $B > H$
- b. $T > D$
- c. $T = A$
- d. $B < T$

32. If $4 + 4^{n+5} = 260$, then find the value of 5^{n+3} . (+1, -0.33)

- a. 25
- b. 36
- c. 49
- d. 16

33. In which three cities of India were the High Courts established earliest? (+1, -0.33)

- a. Delhi, Madras and Bombay
- b. Calcutta, Bombay and Madras
- c. Calcutta, Delhi and Madras
- d. Calcutta, Bombay and Delhi

34. Answer the question based on the given three-letter letter-clusters: (Left) (+1, -0.33)
TED, LAY, HOC, CET, RGE (Right) How many letters are there in the English alphabetical order between the second letter of the first letter-cluster from the right and the second letter of the first letter-cluster from the left?

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

35. Central Institute of Indian Languages is located in _____. (+1, -0.33)

- a. Kolkata
- b. Mysore
- c. Hyderabad
- d. New Delhi

36. If A is an acute angle, and $\tan^2 A + \sec A = 11$, then find the value of $\cot A$. (+1, -0.33)

- a. $\frac{1}{2\sqrt{3}}$
- b. $\frac{1}{2\sqrt{5}}$
- c. $\frac{1}{2\sqrt{2}}$
- d. $\frac{1}{2\sqrt{7}}$

37. Each of A, B, C, D, E and F has been allocated different days of the week starting from Monday and ending on Saturday for their lectures. There is no lecture on Sunday. Due to being the most senior person, Saturday is allocated to B. Due to being the second most senior person, Friday is allocated to D. Monday is allocated to the most junior person C. Exactly three people give their lectures before E, and A gives the lecture on the day immediately before E. Which day is left for F to give a lecture? (+1, -0.33)

- a. Thursday
- b. Wednesday
- c. Monday

d. Tuesday

38. Which of the following is elected in a Municipal Corporation? (+1, -0.33)

- a. Security staff
 - b. Commissioner
 - c. Administrative staff
 - d. Councillor (Parshad)
-

39. All of the following statements regarding excretion in plants are correct except one. Identify that incorrect statement. (+1, -0.33)

- a. Excretion means removing waste products of the body.
 - b. Plants excrete waste products, but do so at a very slow rate.
 - c. Plants have specific organs for the removal of their waste products.
 - d. Plants excrete waste products in very small quantities.
-

40. Shehnaz walks 500 m towards West from her home. From there she turns left and walks 250 m. Then she turns left again and walks 750 m. Then she turns left again and walks 250 m. In which direction and how far is she now from her home? (All turns are 90° turns only) (+1, -0.33)

- a. North, 250 m
- b. East, 250 m
- c. West, 250 m

d. West, 500 m

41. Which compound can be considered a dehydrating agent? (+1, -0.33)

- a. Ethanol
 - b. Ethanoic acid
 - c. Concentrated sulphuric acid
 - d. Ethene
-

42. Which chromosome complement will be present in half of the gametes produced by a human male? (+1, -0.33)

- a. $22 + XX$
 - b. $22 + X$
 - c. $23 + X$
 - d. $22 + XY$
-

43. If the median and mode of a particular data set are 12 and 15 respectively, then using an empirical relation, find the value of the mean of that data set. (+1, -0.33)

- a. 10.5
- b. 10
- c. 12
- d. 11

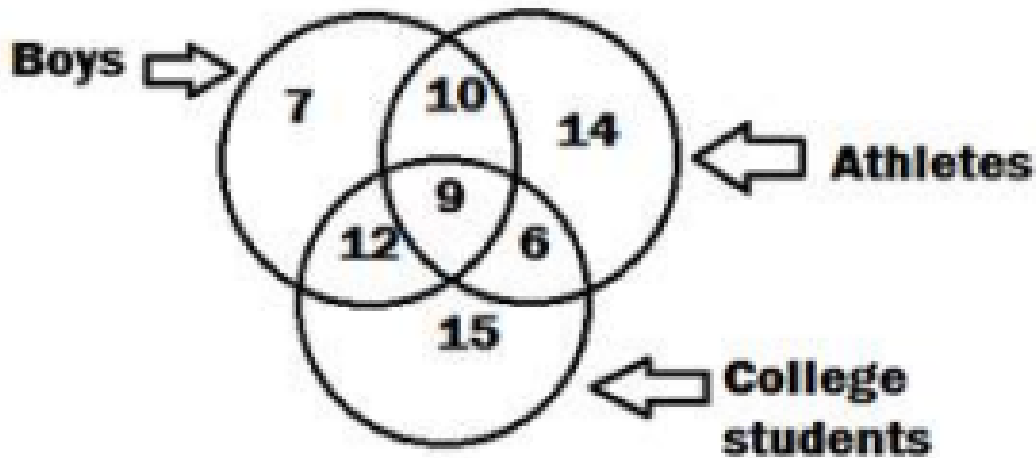
44. Babies are born through which of the following processes in the 'In Vitro Fertilization' (IVF) technique? **(+1, -0.33)**

- a. External fertilization of sperm and ovum
- b. Development of embryo from a single parent
- c. Development of embryo inside a test tube
- d. Internal fertilization of sperm and ovum and external development of embryo

45. Which anti-Covid scheme was launched by the Government of Haryana on 24 May 2021? **(+1, -0.33)**

- a. Covid Mukh Haryana Pariyojana
- b. Zero Covid Pariyojana
- c. Ramban Pariyojana
- d. Sanjeevani Pariyojana

46. Study the given diagram carefully and answer the question asked. The numbers given in different parts represent the number of persons. **(+1, -0.33)**



Boys - लड़के

Athletes - एथलीट

College Students - कॉलेज के विद्यार्थी

How many boys are there who are college students and also athletes?

- a. 10
- b. 9
- c. 6
- d. 12

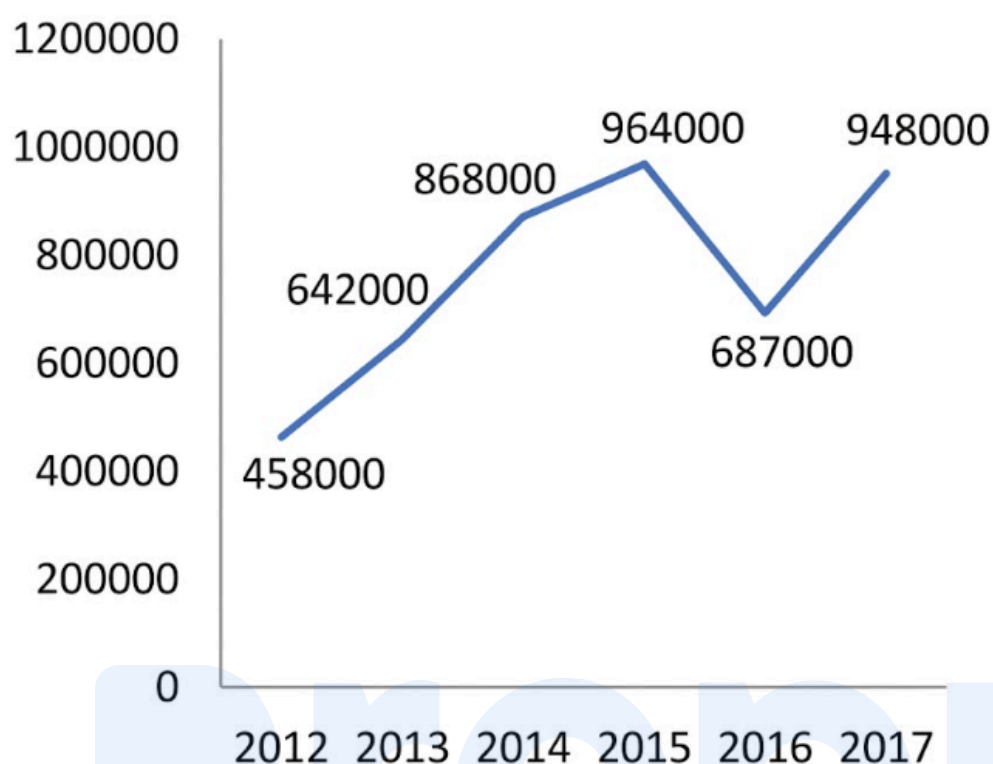
47. Which of the following options represents the closest approximate value (+1, -0.33) that will come in place of the question mark (?) in the following equation?
- $$(\sqrt{530} + 85 \div 24 \times 4 - \sqrt{255}) \div 3 = ?$$

- a. 7
- b. 15
- c. 4
- d. 1

48. Which of the following is NOT a feature of Mendeleev's periodic classification? (+1, -0.33)

- a. He arranged the elements in tabular form in groups and periods.
- b. He could predict the properties of some undiscovered elements whose discovery took place later.
- c. He arranged the elements on the basis of both physical and chemical properties.
- d. Correct position of isotopes.

49. The following line-graph shows the production of wheat (in tonnes) in India from 2012 to 2017. Study the graph and answer the question. (+1, -0.33)



In the year 2018, if the production of wheat decreases by 10% compared to the previous year, then what will be the difference between the production of wheat (in tonnes) in the year 2018 and the year 2015?

- a. 1,15,800
- b. 1,15,820
- c. 1,10,800
- d. 1,10,820

50. Which of the following is NOT an acid-base indicator?

(+1, -0.33)

- a. Phenolphthalein
- b. Starch paper

- c. Methyl orange
- d. Litmus

51. What type of vegetation is found in North-East India, parts of Western Ghats, Andaman and Nicobar, Upper Assam, lower slopes of Eastern Himalayas and Odisha? (+1, -0.33)

- a. Tropical Evergreen Forest
- b. Tropical Moist Deciduous Forest
- c. Dry Deciduous Forest
- d. Subtropical Montane Forest

52. All 40 students of a class are standing in a straight row facing north. Ashok is standing at the 21st position from the right end, while Ali is at the 15th position from the left end. How many students are standing between Ashok and Ali? (+1, -0.33)

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

53. In a parallelogram ABCD, the length of the line segment joining the midpoints of AD and AC is 2 units. If the perimeter of the parallelogram is 20 units, find the length of AD. (+1, -0.33)

- a. 6 units

b. 5 units

c. 4 units

d. 8 units

54. Consider the statements given below, and select the correct answer. (+1, -0.33)

Statement-I: The chemical formula of bleaching powder is CaOCl_2 .

Statement-II: Bleaching powder reacts with dilute acids to produce chlorine.

a. Both statements are true.

b. Both statements are false.

c. Statement-I is true, and statement-II is false.

d. Statement-II is true, and statement-I is false.

55. In a certain code language, 'SUJLAM' is written as 'TTKKBL', and 'CHOKY' is (+1, -0.33)

written as 'DGPJZ'. How will 'CURDX' be written in that same code language?

a. TDPSC

b. TDSYC

c. DTSCY

d. TDPCY

56. Answer the question based on the following number and symbol (+1, -0.33)

sequence: (Left) 4 5 & 20 % 7 2 4 @ 6 11 & 2 8 25 # 3 5 6 & • 9 (Right) How many such numbers are there in the above sequence, each of which is

immediately preceded by a symbol and also immediately followed by a symbol?

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

57. Who holds the distinction of taking the most wickets in the history of the ICC Women's World Cup during 2022 World Cup? (+1, -0.33)

- a. Poonam Yadav
- b. Meghna Singh
- c. Jhulan Goswami
- d. Renuka Singh

58. In a certain code language, 'MODEST' is written as 'QSHZNO' and 'OPTION' is written as 'STXDJI'. How will 'MEDIUM' be written in that code language? (+1, -0.33)

- a. QHIYMQ
- b. QIHMYQ
- c. QIHDPH
- d. QDIHHP

59. For a given set of data, the difference between the mean and mode is 72. (+1, -0.33)
Using the empirical relation between mean, median and mode, find the difference between its mean and median.
- a. 26
 - b. 28
 - c. 24
 - d. 32
-
60. As part of the policy for promoting para-badminton, in which city was India's first para-badminton academy started in January 2022? (+1, -0.33)
- a. Nagpur
 - b. Bhopal
 - c. Raipur
 - d. Lucknow
-
61. According to data from the Centre for Monitoring Indian Economy (CMIE), (+1, -0.33)
in 2021 the average monthly female employment in India was _____
more compared to 2020.
- a. 5.20%
 - b. 5%
 - c. 4.90%
 - d. 6%

62. Two resistors A and B of $10\ \Omega$ and $20\ \Omega$ respectively are connected in parallel with a 6 V battery. The total energy supplied by the battery to the circuit in 1 second will be _____.

(+1, -0.33)

- a. 1.2 J
- b. 1.8 J
- c. 3.6 J
- d. 5.4 J

63. Which of the following options represents the correct sequence of energy flow in an ecosystem?

(+1, -0.33)

- a. Apex Carnivore $\rightarrow$ Producer $\rightarrow$ Herbivore $\rightarrow$ Sunlight
- b. Carnivore $\leftarrow$ Herbivore $\leftarrow$ Producer $\leftarrow$ Sunlight
- c. Apex Carnivore $\leftarrow$ Producer $\leftarrow$ Herbivore $\leftarrow$ Sunlight
- d. Carnivore $\rightarrow$ Herbivore $\rightarrow$ Producer $\rightarrow$ Sunlight

64. A thief spotted a policeman from a distance of 150 m . The thief immediately started running at a speed of 13 km/h and the policeman chased him at a speed of 14 km/h . Find the distance between them after 6 minutes of running.

(+1, -0.33)

- a. 75 m
- b. 50 m
- c. 100 m

d. 125 m

65. Two resistors A and B of $12\ \Omega$ and $24\ \Omega$ respectively are connected in series with a 6 V battery. The total heat dissipated in the resistors in 1 second will be _____. (+1, -0.33)

a. 0.15 J

b. 0.30 J

c. 1.0 J

d. 4.5 J

66. In which year was the Consumer Protection Bill passed by both houses of Parliament and received the President's assent? (+1, -0.33)

a. 1982

b. 1980

c. 1984

d. 1986

67. The ratio of the lowest common multiple (LCM) and the highest common factor (HCF) of two numbers is 3 : 1, and the product of the two numbers is 432. Find the values of their LCM and HCF respectively. (+1, -0.33)

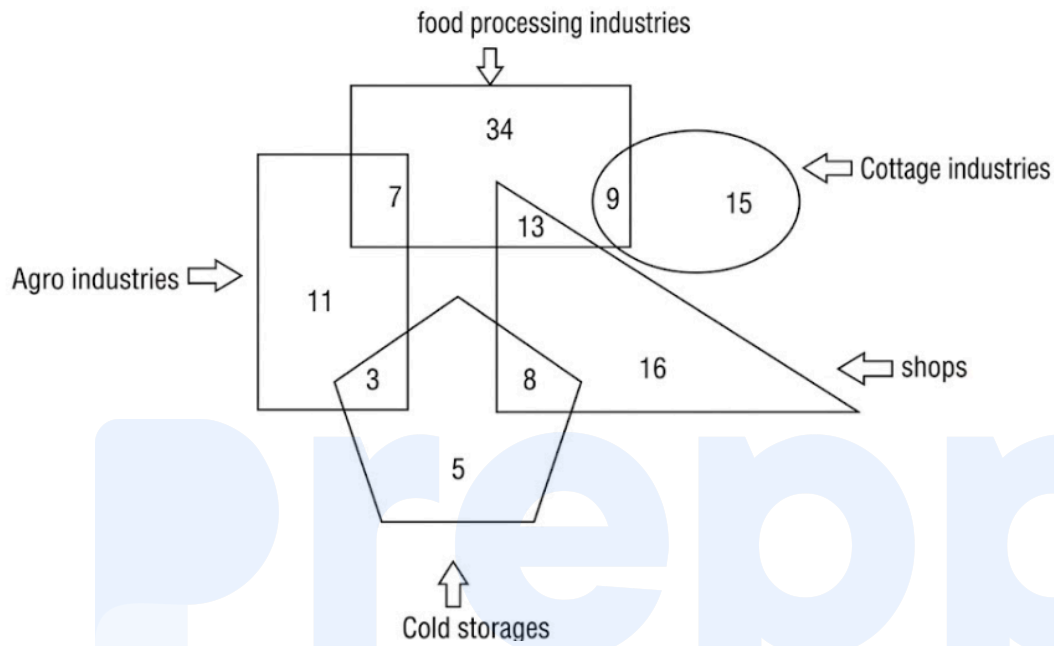
a. 36 and 12

b. 24 and 18

c. 54 and 8

d. 72 and 24

68. Study the given diagram carefully and answer the question asked. The numbers in various parts show the number of units. (+1, -0.33)



How many total agro industries are there which are either food processing industries or cold storages?

- a. 11
b. 3
c. 10
d. 7

69. If $x - \frac{1}{x} = 8$, then find the value of $x^3 - \frac{1}{x^3}$. (+1, -0.33)

- a. 425
b. 536

c. 489

d. 541

70. Which elements were named by Mendeleev by adding the prefix 'Eka' before the name of the preceding element in the same group? (+1, -0.33)

a. Scandium, Gallium and Germanium

b. Nitrogen, Phosphorus and Arsenic

c. Boron, Aluminium and Gallium

d. Carbon, Silicon, Germanium

71. Express $0.\overline{432}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$. (+1, -0.33)

a. $\frac{465}{173}$

b. $\frac{214}{495}$

c. $\frac{173}{465}$

d. $\frac{495}{214}$

72. Which of the following optical phenomena can explain the flattened appearance of the Sun's disc at sunrise and sunset? (+1, -0.33)

a. Dispersion of light

b. Total internal reflection

c. Scattering of light

d. Atmospheric refraction

73. Which two signs should be interchanged to balance the given equation? (+1, -0.33)

$$[\{(102 + 42) - (4 \times 3)\} \div (2 - 4)] \times 3 = 36$$

a. +, ×

b. -, +

c. ÷, +

d. ÷, ×

74. A decision is followed by two statements I and II. Carefully study the given information and choose the correct option. Decision: The management of Telecom Company D decided to freeze its recruitment (hiring) process for the next 2 months. Statements: I. Company D recently signed the country's largest project, which is expected to start in a few weeks, and to complete it on time they will need a massive workforce. II. Due to change in management, the rate of leaving job in Company D has increased by 12%. (+1, -0.33)

Information: The management of Telecom Company D decided to freeze its recruitment (hiring) process for the next 2 months. Statement I: Company D recently signed the country's largest project, which is expected to start in a few weeks, and to complete it on time they will need a massive workforce. Statement II: Due to change in management, the rate of leaving job in Company D has increased by 12%.

a. Statement I does not support the decision, and statement II is a neutral statement.

b. Both statements I and II do not support the decision.

c. Both statements I and II support the decision.

d. Statement I is a neutral statement, and statement II supports the decision.

75. Three statements are given followed by two conclusions I and II. (+1, -0.33)

Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows from the statements. Statements: No computer is a remote. Some televisions are machines. All machines are computers. Conclusions: I. No remote is a machine. II. Some computers are televisions.

- a. Only conclusion II follows.
- b. Only conclusion I follows.
- c. Either conclusion I or II follows.
- d. Both conclusions I and II follow.

76. The magnitude of the magnetic field generated inside a solenoid having n turns and carrying current I is directly proportional to _____. (+1, -0.33)

- a. $n^2 I^2$
- b. $n I^2$
- c. $n I$
- d. $n^2 I$

77. Who among the following first proposed the formation of the Constituent Assembly of India? (+1, -0.33)

- a. Sachchidananda Sinha
- b. K. M. Munshi
- c. B. N. Rau

d. M. N. Roy

78. Which river system originates from the Bastar hills of Madhya Pradesh (now Chhattisgarh)? (+1, -0.33)

- a. Mahanadi river system
 - b. Krishna river system
 - c. Tapi river system
 - d. Cauvery river system
-

79. Select the alphanumeric group that will come in place of the question mark (?) in the given series to logically complete it. Series: D5A, F9C, H13E, J17G, ? (+1, -0.33)

- a. J25L
 - b. L21I
 - c. I21L
 - d. L25J
-

80. By what percentage above the cost price should a shopkeeper mark his goods so that even after giving a discount of 8% on the marked price, he gains 15%? (+1, -0.33)

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

d. 27%

81. Some of the functions performed by a specific animal tissue are mentioned below: a. It fills the spaces inside the organs b. It supports internal organs c. It helps in the repair of tissues Identify this tissue from the options given below: (+1, -0.33)

- a. Muscular tissue
- b. Epithelial Tissue
- c. Adipose tissue
- d. Areolar tissue

82. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.) (3, 8, 1) (8, 48, 4) (+1, -0.33)

- a. (8, 55, 3)
- b. (5, 10, 4)
- c. (7, 42, 3)
- d. (8, 50, 2)

83. Ram's age is 6 years less than Bheem's age. After 3 years, Bheem's age will be twice Ram's age. Find Ram's present age. (+1, -0.33)

- a. 3 years
- b. 6 years

c. 4 years

d. 5 years

84. What angle will the hour hand make in 18 minutes? (+1, -0.33)

a. 12°

b. 9°

c. 10.5°

d. 7.5°

85. If in the following equation '+' and '-' are interchanged, and also '×' and '÷' are interchanged, what will be the value in place of the question mark (?) in the equation? $49 - 4 \div 120 \times 8 + 100 = ?$ (+1, -0.33)

a. 3

b. 6

c. 12

d. 9

86. Which of the following animals is included among the animals found in Pachmarhi Biosphere Reserve? (+1, -0.33)

a. Snow leopard

b. Barasingha

c. Musk deer

d. Chinkara

87. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster, and the fourth letter-cluster is related to the third letter-cluster. CLEAR : ENGCT :: MIGHT : OKIJV :: TRUCK : ? (+1, -0.33)

- a. USVDL
 - b. VTWEM
 - c. VSWDM
 - d. UTVEL
-

88. If one-third of a number is 4 less than the number itself, then find that number. (+1, -0.33)

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

89. What is the name of India's first polycentric prosthetic knee developed by IIT-Madras? (+1, -0.33)

- a. Kadam
- b. Svatanttr
- c. Pehal

d. Atma Nirbhar

90. In which of the following years was Indian Oil Corporation established? (+1, -0.33)

a. 1959

b. 1963

c. 1965

d. 1995

91. If $(2x + 7y) : (4x - 3y) :: 8 : 3$, then find the value of $x : y$. (+1, -0.33)

a. 45 : 26

b. 20 : 19

c. 11 : 13

d. 26 : 45

92. In April 2022, NITI Aayog and UNICEF India signed a Statement of Intent focusing on which issue on SDGs? (+1, -0.33)

a. Education

b. Youth

c. Children

d. Health

93. In the given balanced chemical reaction, $xS_8 + yC \rightarrow zCS_2$ what are the values of x , y , and z respectively? (+1, -0.33)

- a. 2, 6, 3
- b. 2, 3, 6
- c. 1, 3, 5
- d. 1, 4, 4

94. Devendra can complete a work in 20 days, while Ishwar can complete the same work in 25 days. If they work on alternate days starting with Devendra, in how many days will the work be completed? (+1, -0.33)

- a. $23\frac{2}{5}$ days
- b. $22\frac{1}{5}$ days
- c. $24\frac{4}{5}$ days
- d. $25\frac{3}{5}$ days

95. When $MPC = MPS$, what is the value of investment multiplier? (+1, -0.33)

- a. 1
- b. 2
- c. Infinity
- d. 10

96. Study the given number series, and answer the question asked. (+1, -0.33)

2, 6, ____, 8, 2, ____, 7, 5, ____, 4, 7, 2, ____, 3, 6, 9, 2, 2, ____, 6 Placing the numbers of which group sequentially in the blank spaces of the above series will complete the series logically?

a. 7, 5, 2, 2, 6

b. 4, 2, 3, 3, 8

c. 8, 5, 3, 2, 6

d. 4, 2, 2, 3, 8

97. In triangle ABC and PQR, $AB = AC$, $\angle C = \angle P$ and $\angle B = \angle Q$. Then both the triangles are: (+1, -0.33)

a. isosceles, but not congruent.

b. congruent, but not isosceles.

c. neither congruent nor isosceles.

d. isosceles and congruent.

98. How many Central Universities were selected to implement the Dr. Ambedkar Centre of Excellence (DACE) scheme launched on 22 April 2022? (+1, -0.33)

a. 4

b. 17

c. 12

d. 31

99. Select the number that will replace the question mark (?) in the following series. 11, 44, 85, 129, 181, 236, ? (+1, -0.33)

a. 279

b. 299

c. 289

d. 297

100. Six persons – P, Q, R, S, T and U each have different heights. P is the tallest person. R is taller than only one person. S is taller than U. U is taller than R. The heights of exactly three persons are between T and Q, while T is taller than Q. Who among all six persons is the shortest? (+1, -0.33)

a. Q

b. S

c. T

d. U

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