



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

RRB Group D 2018 Question Paper (25-Oct-2018) (Shift 2)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

Navigating & Answering a Question

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

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Test

1. What is the HCF of $\frac{15}{14}$, $\frac{12}{35}$ and $\frac{40}{49}$? (+1, -0.33)
 - a. $\frac{3}{490}$
 - b. $\frac{1}{490}$
 - c. $\frac{1}{49}$
 - d. $\frac{1}{7}$

2. Mr X runs a marathon from point A. He runs 5 km north to B, then turns right and runs 6 km to C, turns right and runs 8 km to D, turns right and runs 10 km to E, turns right and runs 6 km to F, turns right and runs 1 km to G, turns right and runs 3 km to H. What is the shortest distance between A and H? (+1, -0.33)
 - a. $\sqrt{2}$ km
 - b. 2 km
 - c. 5 km
 - d. 3 km

3. You are given a question and two statements. Decide which statement(s) is/are necessary/sufficient to answer the question. (+1, -0.33)

Question:

Did X lose the gold chain in school?

Statements:

 1. Children need not wear jewellery to school.
 2. X was wearing the gold chain in the morning.
 - a. Statement 2 alone is sufficient, but not statement 1

- b. Statement 1 alone is sufficient, but not statement 2
 - c. Either statement 1 or 2 alone is sufficient
 - d. Statements 1 and 2 together are not sufficient
-

4. Two drum sets were bought for a total of ₹8,000. The first was sold at 40% profit and the second at 40% loss. If the selling prices of both drum sets are equal, what are their cost prices? (+1, -0.33)

- a. ₹2,000, ₹5,600
 - b. ₹2,400, ₹6,000
 - c. ₹1,400, ₹5,600
 - d. ₹2,400, ₹5,600
-

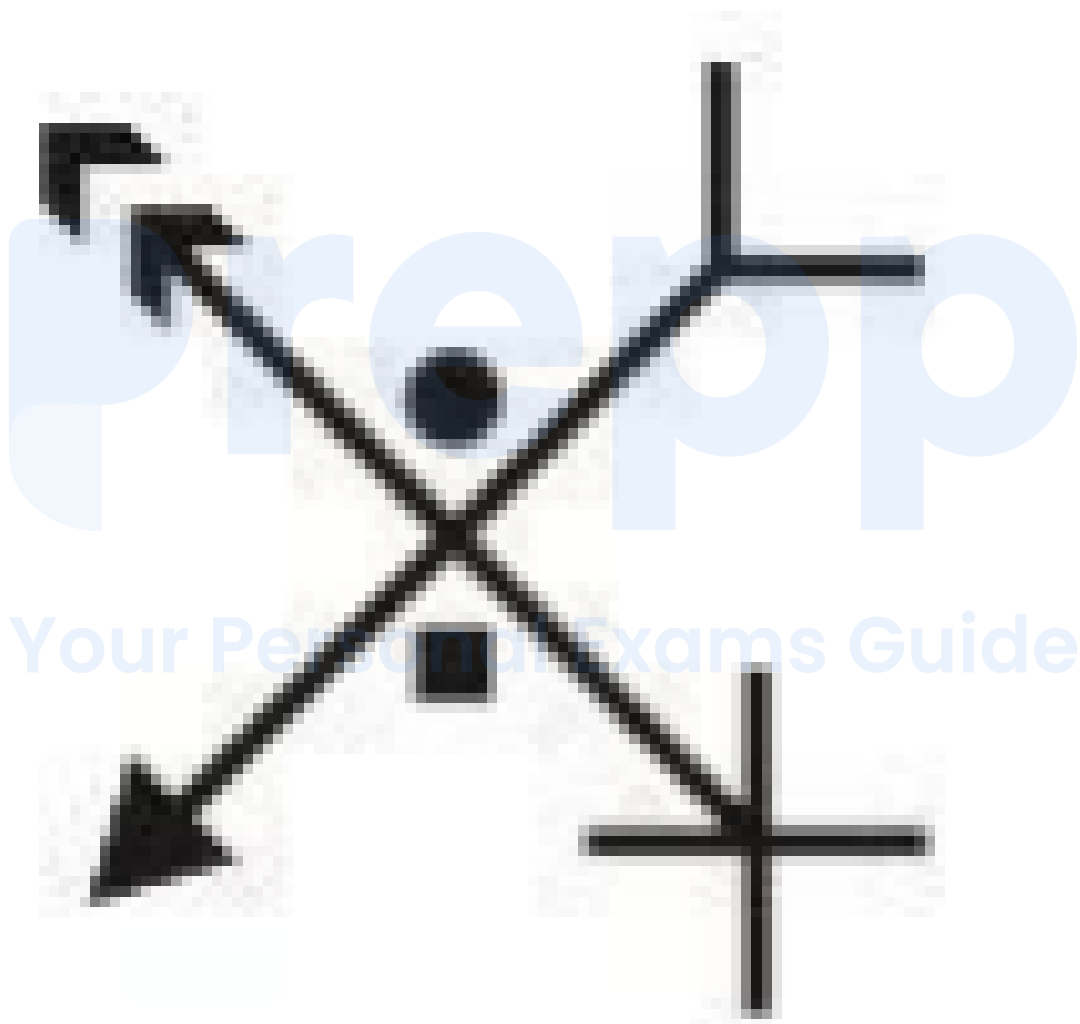
5. Which of the following is kinetic energy? (+1, -0.33)

- a. A bullet fired from a gun.
- b. A fast-moving railway engine.
- c. Motion of a simple pendulum.

- a. a, b, c
 - b. a and b
 - c. b and c
 - d. a and c
-

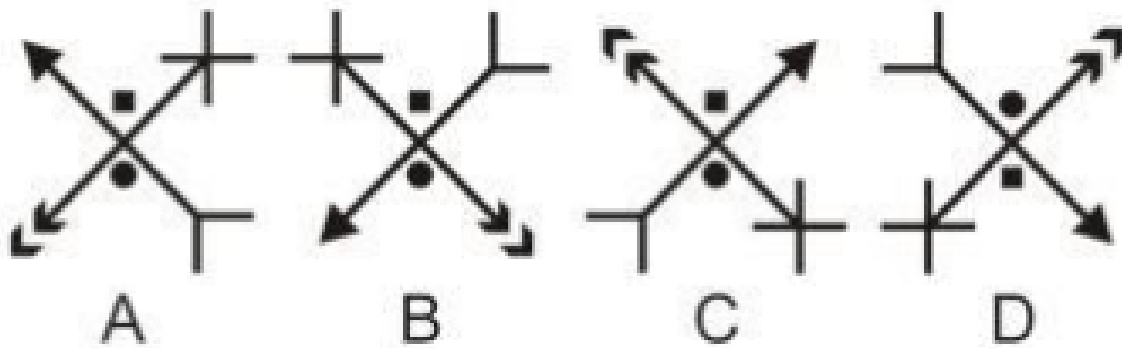
6. 5 men take 20 days to complete a job working 8 hours a day. In how many days can 8 men complete the job working 7 hours a day? (+1, -0.33)

- a. 77
- b. 72
- c. $\frac{100}{7}$
- d. 49



7. What is the water reflection of the above figure?

(+1, -0.33)



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

8. Read the given question and decide which statement is sufficient to answer. (+1, -0.33)

Question:

L, A, C and E stand in descending order of their heights. Who stands first?

Statements:

1. L is taller than C and E.
2. A is taller than L.

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

9. Which group contains elements that are colourless, tasteless and odourless gases? (+1, -0.33)

- a. Halogen group
- b. Alkaline earth metals
- c. Alkali metals
- d. Zero group

10. If X is Y's sister, Z is Y's mother, W is Z's father, V is Z's husband, then Y's brother is V's _____. (+1, -0.33)

- a. Niece
- b. Son
- c. Cousin brother
- d. Brother

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

- a. An isosceles triangle has no equal angles.
- b. Two figures with the same area are always congruent.
- c. Two line segments starting from the same point are congruent.
- d. Two circles with the same radius are congruent.

12. Who is the constitutional head of India? (+1, -0.33)

- a. Prime Minister
- b. President
- c. Head of Parliament
- d. Governor

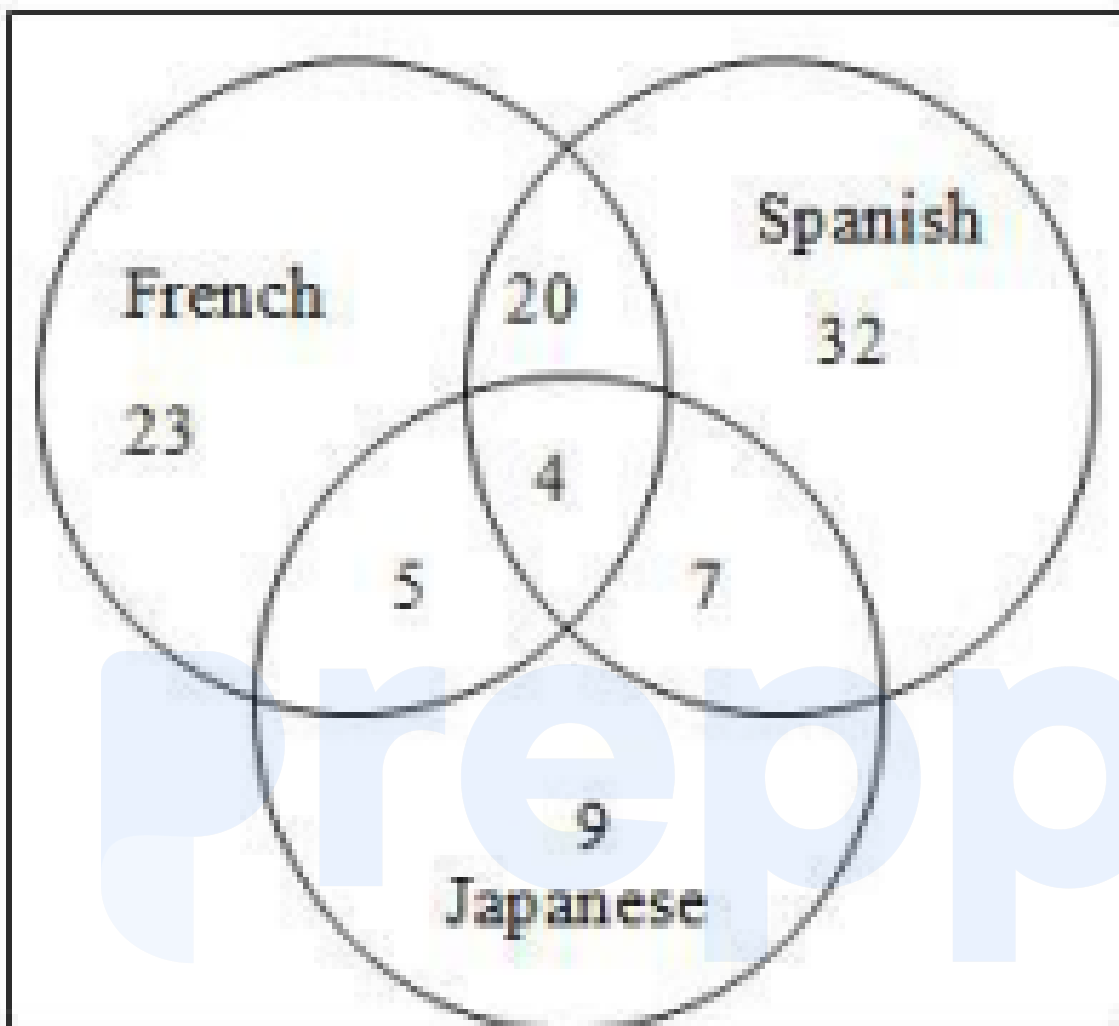
13. If two straight lines $x - 5y = 2$ and $x + 2y = 9$ intersect at A and meet the positive x-axis at B and C respectively, find the area of triangle ABC. (+1, -0.33)

- a. 3.7 sq units
- b. 3.5 sq units
- c. 3.2 sq units
- d. 3.1 sq units

14. Who is Chanda Kochhar? (+1, -0.33)

- a. Former Chief Executive Officer (CEO) of ICICI Bank
- b. Former CEO of PepsiCo
- c. Former CEO of Biocon
- d. Former CEO of Microsoft

15. The above figure shows students in a class studying three languages. (+1, -0.33)
How many students study only one language?



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- a. 45
- b. 4
- c. 100
- d. 64

16. The annually-held Anant Rao Pawar Trophy is associated with which sport? (+1, -0.33)

- a. Football
 - b. Throwball
 - c. Netball
 - d. Volleyball
-

17. Which of the following rivers does NOT flow into the Arabian Sea? (+1, -0.33)

- a. Sabarmati
 - b. Tapi
 - c. Narmada
 - d. Ganga
-

18. Who was conferred the Tata Literature Live Lifetime Achievement Award 2017 for excellent contribution in the field of theatre? (+1, -0.33)

- a. Pankaj Kapoor
 - b. Girish Karnad
 - c. Rajat Kapoor
 - d. Naseeruddin Shah
-

19. Yogesh sold his watch at a 10% loss. If he had sold it for ₹135 more, he would have gained 8%. Find the selling price of the watch. (+1, -0.33)

- a. ₹315

b. ₹615

c. ₹675

d. ₹513

20. Which state government will launch the 'Guru-Shishya' programme in all districts of the state? (+1, -0.33)

a. Rajasthan

b. Madhya Pradesh

c. Bihar

d. Maharashtra

21. Pointing to a picture Deepak says, "He is the only son of my grandmother". (+1, -0.33)
Who is Deepak pointing to?

a. Cousin brother

b. Father

c. Brother

d. Friend

22. Select the option that has the same relation to the third word as the second word has to the first. (+1, -0.33)

Bee : Sting :: Snake : ?

a. Eat

- b. Bite
 - c. Hiss
 - d. Crawl
-

23. Consider the following statement and arguments and decide which argument is strong. (+1, -0.33)

Statement:

To treat insomnia, a healthy lifestyle tailored to the individual should be adopted so that they get more rest.

Arguments:

I. Yes, stress is the only cause of insomnia.

II. No, insomnia can be caused by many other reasons.

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

24. Which country hosted the BRICS Film Festival 2017? (+1, -0.33)

- a. Brazil
 - b. South Africa
 - c. China
 - d. India
-

25. If $\div$ means $\times$, $\times$ means $-$, $+$ means $+$, and $-$ means $\div$, find the value of $100 - 25 \div 7 + 30 \times 2 + 9$. (+1, -0.33)

- a. 199
- b. 200
- c. 196
- d. 187

26. Which central bank controls / regulates Regional Rural Banks? (+1, -0.33)

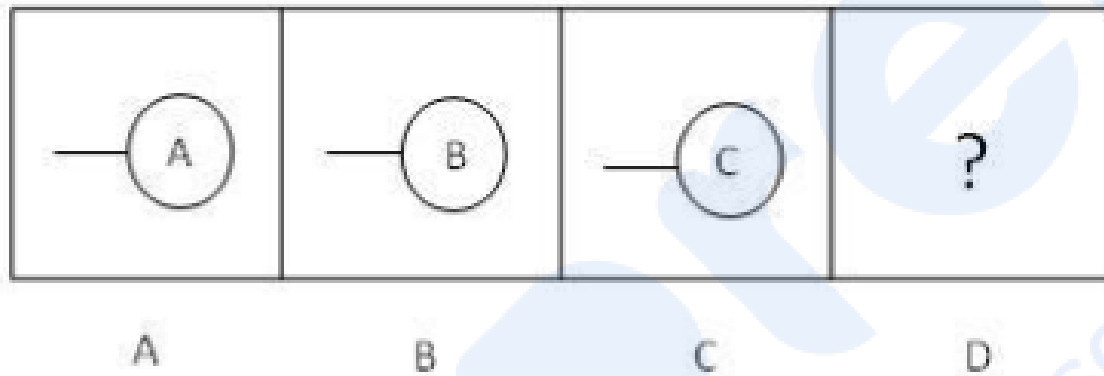
- a. SBI
- b. ICICI
- c. RBI
- d. NABARD

27. In a boys' school, 2 toilets are required for every 15 students. If the total number of students is 255, how many toilets will be needed? (+1, -0.33)

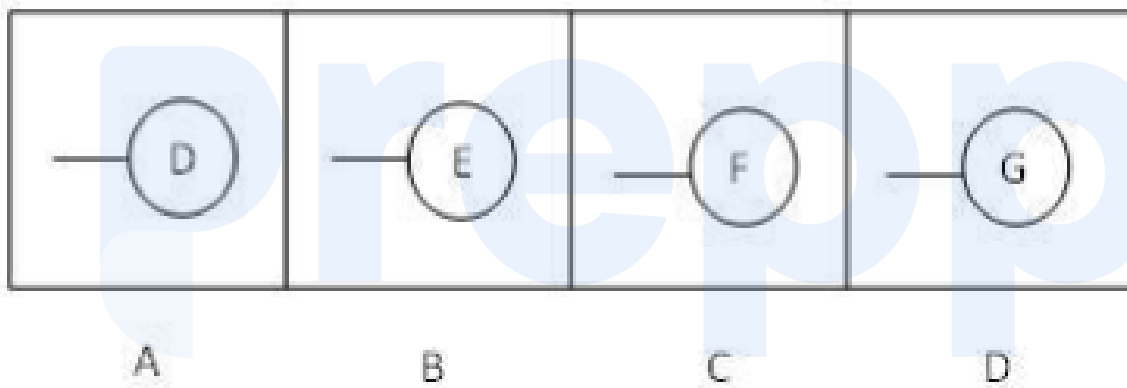
- a. 17
- b. 18
- c. 30
- d. 34

28. What is the next answer figure in the given question figure series? (+1, -0.33)

Question Figure:



Option Figures:



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

29. Plants of the Pteridophyta group do NOT have _____.

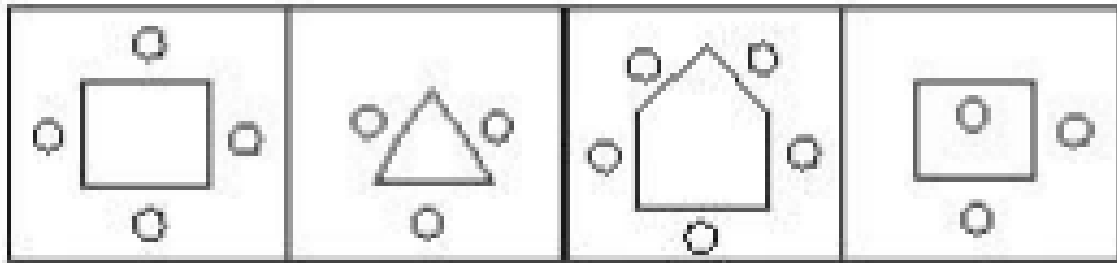
(+1, -0.33)

- a. leaves
- b. roots

- c. stem
- d. flowers

30. Identify the figure that is different from the rest.

(+1, -0.33)



A

B

C

D

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

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31. Identify the Indian national programme for sports development.

(+1, -0.33)

- a. Khelo India
- b. Daudo India
- c. Udo India
- d. Jaago India

32. Average power equals which of the following?

(+1, -0.33)

- a. Total work done / distance travelled
 - b. Time taken / total energy used
 - c. Total free energy / total energy used
 - d. Total energy used / total time
-

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

- A. A balanced chemical equation has an equal number of atoms of each element 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 false
 - b. Both A and B are false
 - c. Only B is false
 - d. Both A and B are true
-

34. Dalton's theory is based on: (+1, -0.33)

- a. The law of chemical combination
 - b. The law of definite proportions
 - c. The law of conservation of mass
 - d. The law of conservation of energy
-

35. Which of the following is NOT a member of the group? (+1, -0.33)

- A. Plastic

- B. Floor
- C. Ceiling
- D. Door

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

36. Earth attracts objects towards itself. This is due to _____. (+1, -0.33)

- a. Gravitational force
 - b. Centrifugal force
 - c. Electromagnetic force
 - d. Centripetal force
-

37. A truck moving at uniform speed covers 245 m in 50 s. Find the speed of the truck. (+1, -0.33)

- a. 3.9 m/s
 - b. 4.9 m/s
 - c. 2.9 m/s
 - d. 5.9 m/s
-

38. What is the atomicity of sulphur? (+1, -0.33)

- a. Triatomic
- b. Polyatomic
- c. Diatomic
- d. Monatomic

39. Who has been appointed as the new Vice-Chancellor of Banaras Hindu University? (+1, -0.33)

- a. Royana Singh
- b. B. A. Chopde
- c. Kuldeep Mehta
- d. Girish Chandra Tripathi

40. The solid substance commonly known as 'dry ice' is: (+1, -0.33)

- a. CaCl_2
- b. CO
- c. CaCO_3
- d. CO_2

41. In an exam, 51% students fail English, 45% fail Mathematics, 21% fail both subjects, and only 169 students pass the exam. Find the total number of students who appeared. (+1, -0.33)

- a. 612

- b. 767
 - c. 619
 - d. 676
-

42. The speed of sound in seawater is _____. (+1, -0.33)

- a. 1948 m/s
 - b. 1351 m/s
 - c. 1498 m/s
 - d. 1531 m/s
-

43. Pipes A and B together can fill an empty tank in 12 hours. If A is closed after 2 hours, the tank takes a total of 42 hours to fill. How long will A alone take to fill the empty tank? (+1, -0.33)

- a. 13 hours
 - b. 16 hours
 - c. 15 hours
 - d. 12 hours
-

44. Which of the following statements is correct? (+1, -0.33)

- A: When an object is thrown upward, its speed is the same in any position – whether going up or coming down.
- B: The weight of an object can never be zero.

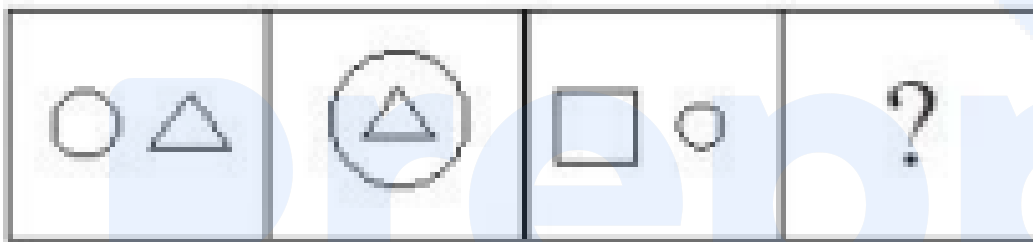
- a. Neither A nor B is correct

- b. Only A is correct
- c. Both A and B are correct
- d. Only B is correct

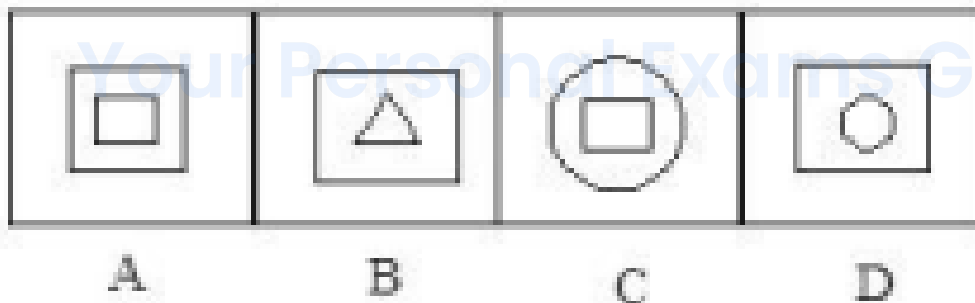
45. Which answer figure will replace '?' to complete the question figure-series?

(+1, -0.33)

Question Figure:



Option Figures:



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

46. Consider the given statement and decide which assumption(s) is/are implicit. (+1, -0.33)

Statement:

A woman is crying in the hospital because her husband died in a Syrian airstrike.

Assumptions:

1. The wife thinks God is not with her.
2. The woman is blaming her husband for being in Syria.

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

47. At the recently concluded ITB World Tourism Meet in a European city, India was honoured with the 'Best Exhibitor Award'. Which city hosted this meet? (+1, -0.33)

- a. London
- b. Paris
- c. Amsterdam
- d. Berlin

48. Rohit's current age is 6 years less than 3.5 times Nishant's age. Next year Nishant's age will be one-third of Rohit's age. What is Rohit's current age? (+1, -0.33)

- a. 50
- b. 53

c. 56

d. 47

49. _____ metal does not corrode. (+1, -0.33)

a. Magnesium

b. Iron

c. Calcium

d. Platinum

50. If ₹10,000 is invested at 20% per annum compounded half-yearly, the amount after 18 months will be: (+1, -0.33)

a. ₹13,000

b. ₹16,000

c. ₹13,140

d. ₹13,310

51. Who took oath as the first female Chief Justice of the Manipur High Court? (+1, -0.33)

a. Vrinda Grover

b. Alamjeet Chauhan

c. Sudha Bharadwaj

d. Abhilasha Kumari

52. Find the missing term in the following series:

(+1, -0.33)

BAZ, DBY, _____, HDW

- a. EFX
- b. FCX
- c. FEY
- d. FXW

53. In the modern periodic table, an element with electronic configuration 2, 8, 6 is placed in group _____.

(+1, -0.33)

- a. 6
- b. 18
- c. 8
- d. 16

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54. Select the word that is related to the fourth word in the same way as the first word is related to the second word.

(+1, -0.33)

Hand : Glove :: Head : ?

- a. Oil
- b. Shampoo
- c. Gel
- d. Shower cap

55. The LCM and HCF of two numbers are 171360 and 14 respectively. If one number is 2142, find the other. (+1, -0.33)

- a. 80
- b. 1120
- c. 12240
- d. 4128

56. Pipes A and B can fill a tank in 4 and 16 hours respectively. Working together how long will they take to fill the tank? (+1, -0.33)

- a. $\frac{16}{5}$ hours
- b. $\frac{17}{3}$ hours
- c. $\frac{4}{15}$ hours
- d. $\frac{16}{7}$ hours

57. If the price of $\frac{5}{3}$ of a pizza is ₹300, what is the price of $\frac{3}{5}$ of the pizza? (+1, -0.33)

- a. ₹144
- b. ₹108
- c. ₹180
- d. ₹150

58. Manipur, an Indian state, is located in the _____ part of the country. (+1, -0.33)

- a. West
 - b. Northeast
 - c. Northwest
 - d. North
-

59. What metal is specifically used for the filaments of electric bulbs? (+1, -0.33)

- a. Copper
 - b. Tungsten
 - c. Chromium
 - d. Nickel
-

60. A current of 0.5 A flows through an electric bulb's filament for 8 min. How much electric charge flows through the filament? (+1, -0.33)

- a. 200 C
 - b. 400 C
 - c. 240 C
 - d. 50 C
-

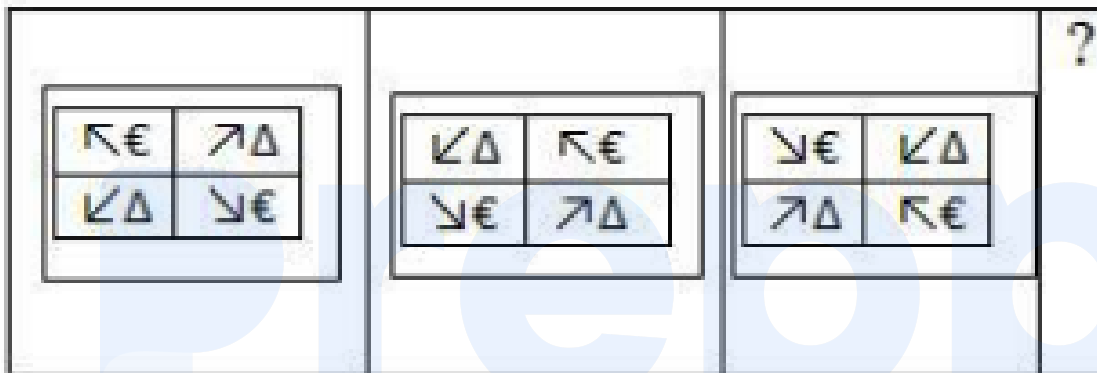
61. In a group of boys, 25 play volleyball, 20 play badminton and 10 play cricket. 5 play all three, and 8 play at least two of these sports. How many play only one sport? (+1, -0.33)

- a. 38

- b. 42
- c. 40
- d. 45

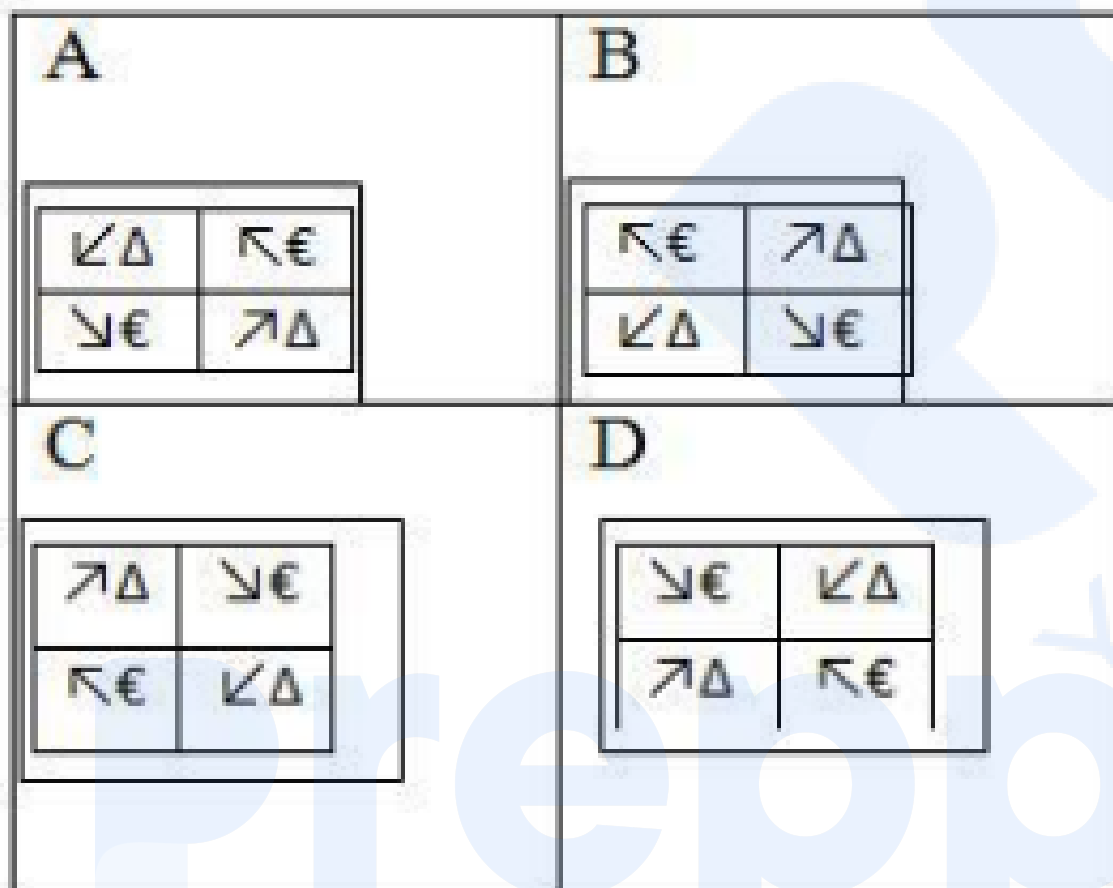
62. Select the option figure that will complete the question figure series. (+1, -0.33)

Question Figure:



Option Figures:

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

63. Where should an object be placed in front of a convex lens to obtain an image of the same size as the object? (+1, -0.33)

- a. Beyond $2F_1$
- b. At F_1

- c. At $2F_1$
- d. At infinity

64. Consider the statement and decide which assumption(s) is/are implicit. (+1, -0.33)

Statement:

A company's chairman informs the board: "Since our business is growing, we need to hire more employees."

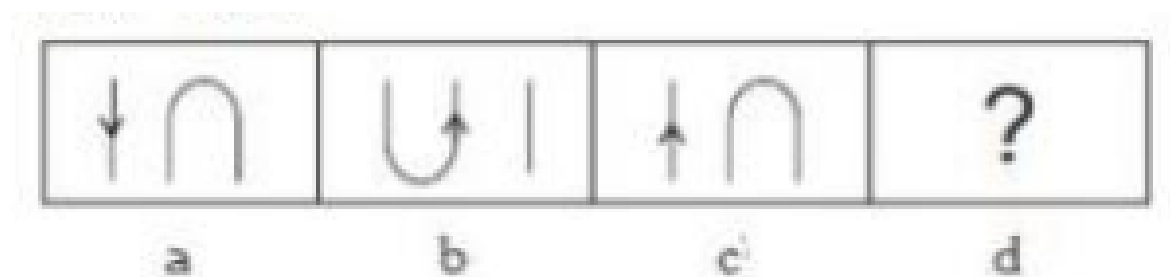
Assumptions:

- I. Current employees are not competent.
- II. Suitably qualified people will be available for hiring.
- III. More employees will expand the business.

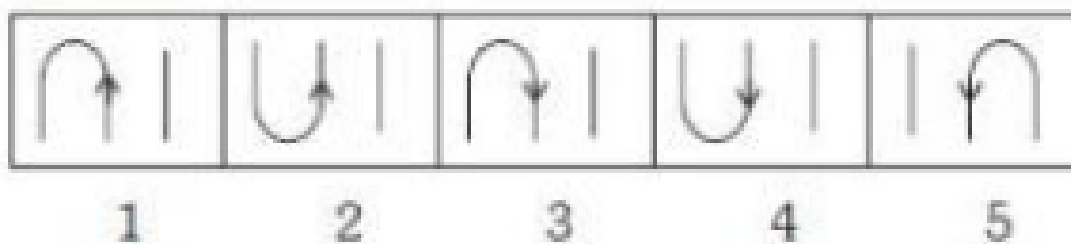
- a. Only I is implicit
- b. Only II is implicit
- c. Only III is implicit
- d. Only I and II are implicit

65. Select the answer figure that will replace '?' in the question figure series so that c relates to '?' as b relates to a. (+1, -0.33)

Question Figure:



Option Figures:



- a. 3
- b. 4
- c. 5
- d. 1

66. Which of the following is a part of the male reproductive organ in humans? (+1, -0.33)

- a. Vas deferens
- b. Uterus
- c. Ovary
- d. Fallopian tube

67. To measure the volume of an irregularly shaped stone, Peter placed the stone in a can of radius 5 cm filled with water. If the water level in the can rose from 10 cm to 17 cm, what is the volume of the stone? (+1, -0.33)

- a. 550 cm^3
- b. 500 cm^3
- c. 450 cm^3

d. 400 cm^3

68. Rationalise the denominator of $\frac{1}{5+2\sqrt{3}}$. (+1, -0.33)

a. $\frac{5-2\sqrt{3}}{13}$

b. $5 - \frac{2\sqrt{3}}{13}$

c. $5 + \frac{2\sqrt{3}}{13}$

d. $\frac{5-2\sqrt{3}}{12}$

69. Three acute angles of a quadrilateral are 82° each. Find the fourth angle. (+1, -0.33)

a. 114°

b. 125°

c. 120°

d. 100°

70. What does the odometer of a motor vehicle measure? (+1, -0.33)

a. Fuel

b. Speed

c. Distance

d. Odour

71. Four places are given below; three are related in some way and one is different. Choose the odd one. (+1, -0.33)

- a. Garba - Gujarat
- b. Bihu - Assam
- c. Kathak - North India
- d. Bhangra - Punjab

72. Read the argument and inferences carefully and choose the inference(s) that logically follow from the argument. (+1, -0.33)

Argument:

A notice in a clinic reads "Sales persons visiting for sales purpose are not allowed to meet the doctor".

Inferences:

- 1. All sales persons will not come to the clinic to meet the doctor for sales.
- 2. The receptionist may stop sales persons from meeting the doctor.

- a. Only inference 2 follows.
- b. Both 1 and 2 follow.
- c. Neither 1 nor 2 follows.
- d. Only inference 1 follows.

73. Solve for X: $0.12(5X - 4) = 0.5X + 0.8$ (+1, -0.33)

- a. 16.4
- b. -4.8

- c. 12.8
- d. -12.8

74. What is the loss of water in the form of water vapour from plants called? (+1, -0.33)

- a. Excretion
- b. Gas exchange
- c. Transpiration
- d. Respiration

75. If $\div$ means $-$, $-$ means $+$, $+$ means $\times$ and $\times$ means $\div$, find the value of $12 \div 6 + 3 - 2 \times 8$. (+1, -0.33)

- a. $\frac{-23}{2}$
- b. $\frac{-23}{4}$
- c. $\frac{23}{4}$
- d. $\frac{23}{2}$

76. Who painted the famous portrait 'Bharat Mata' during the Indian National Movement? (+1, -0.33)

- a. B. C. Chatterjee
- b. Lokmanya Tilak
- c. Mohammed Iqbal

d. Abanindranath Tagore

77. Find the value of $(5 \times 8) + 12 \div 4 \times 2 + 8 - 2$: (+1, -0.33)

a. 48

b. 42

c. 62

d. 52

78. Under the rule of Chin Qilich Khan, which region became an independent state? He was also called 'Nizam-ul-Mulk'. (+1, -0.33)

a. Hyderabad

b. Mysore

c. Bengal

d. Awadh

79. X is Y's brother, V is Y's mother, M is V's husband's sister, N is V's brother. (+1, -0.33)
How is N's son related to X?

a. Cousin brother

b. Nephew

c. Aunt

d. Sister

80. Where was the World Economic Forum's Annual Meeting 2018 held? (+1, -0.33)

- a. Davos, Switzerland
- b. Geneva, Switzerland
- c. Cologne, Switzerland
- d. Sion, Switzerland

81. The three sides of a triangle are 15 cm, 36 cm and 39 cm. A smaller triangle is formed inside by joining the midpoints of its sides. The area of the smaller triangle is _____ cm^2 . (+1, -0.33)

- a. 60
- b. 62.5
- c. 65
- d. 67.5

82. Read the question below, followed by 3 statements. (+1, -0.33)

Question:

There are 6 kids — I, G, B, Z, L and D — who live in the same colony. Who is the tallest of all?

Statements:

- 1. G is taller than L and D
- 2. B is taller than G
- 3. Z is shorter than G

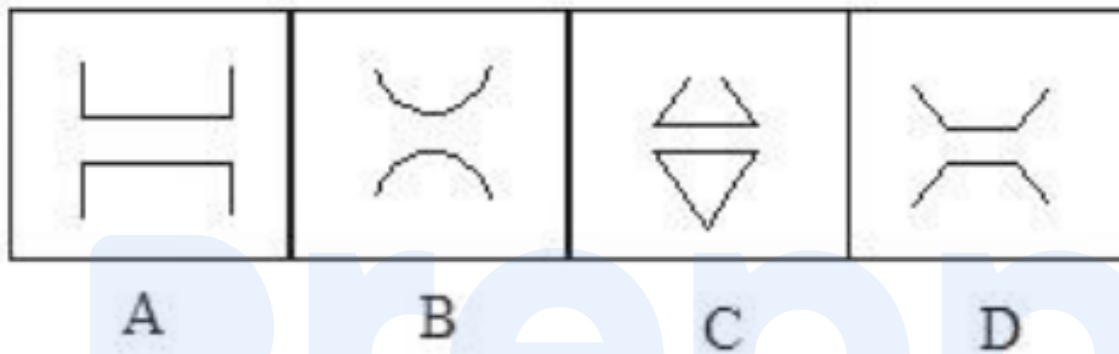
Which statement(s) is/are sufficient to answer the above question?

- a. Either 1 or 2 are not sufficient

- b. Statement 1 alone is sufficient
- c. Statements 1, 2 and 3 together are sufficient
- d. Statement 2 alone is sufficient

83. Identify the different one from the following:

(+1, -0.33)



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

84. 18 trainees can do work equivalent to 8 experts in one day. Building a pond takes 12 experts and 9 trainees 8 days. How many experts, along with 5 trainees, will be needed to build the same pond in 9 days?

(+1, -0.33)

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

d. 8



85. How many squares are there in the given figure?

(+1, -0.33)

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

86. Read the description below. What do we call such traces of a living organism? (+1, -0.33)

'If a dead insect gets trapped in warm mud, it will not decompose quickly, and the mud will eventually harden with the imprint of the insect's body parts.'

- a. Mould
- b. Fossil
- c. Remains
- d. Antiquity

87. The scheme for promoting sports among persons with disabilities was prepared by the Ministry in _____. (+1, -0.33)

- a. 2007
- b. 2010
- c. 2009
- d. 2008

88. Name the veteran writer-lyricist who was conferred the Hridaynath Mangeshkar Award 2017. (+1, -0.33)

- a. Laxmikant
- b. Javed Akhtar
- c. Pyarelal

d. Kaifi Azmi

89. Water stored in earthen pots remains cool even in summer due to _____ (+1, -0.33)

- a. Condensation
 - b. Evaporation
 - c. Transpiration
 - d. Transformation
-

90. A, B and C together can complete a task in 10 days. A alone can complete it in 20 days and B alone in 30 days. How many days will C alone take? (+1, -0.33)

- a. 30 days
 - b. 10 days
 - c. 60 days
 - d. 20 days
-

91. From the following options, the most ductile metal is _____. (+1, -0.33)

- a. Cu
 - b. Al
 - c. Au
 - d. Ag
-

92. Saliva contains the _____ enzyme. (+1, -0.33)

- a. Protease
- b. Ligase
- c. Lipase
- d. Amylase

93. 3 R # 2 A \$ K 5 % T 7 & N Y + X B / L Q @ 1 (+1, -0.33)

If the first half of the above series is reversed, what will be the 5th to the right of the 10th from the left in the new series?

- a. 5
- b. Y
- c. K
- d. +

94. A very tall tree breaks nearly at the middle in a storm. However, the (+1, -0.33)

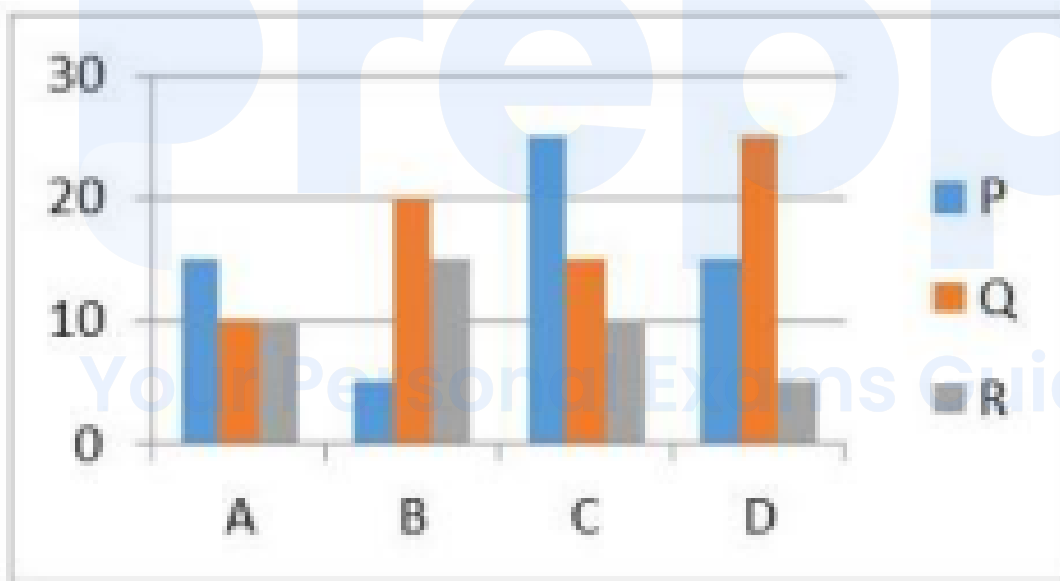
broken part does not separate; its top touches the ground at a distance of 12 m from the base of the tree. If the tree breaks at 37 m from the ground, what is the length of the broken part in metres?

- a. 31 m
- b. 35 m
- c. 34 m
- d. 30 m

95. Who is the current Attorney General of India? (+1, -0.33)

- a. Mukul Rohatgi
- b. J. Chelameswar
- c. G. E. Vahanvati
- d. K. K. Venugopal

96. The bar graph represents production of three grains P, Q, R in four states A, B, C and D. (+1, -0.33)



What percentage of the total production of grain Q across all states is produced by state D (to one decimal place)?

- a. 35.7
- b. 36

c. 35.5

d. 35.9

97. The potential energy of an object at a height is called _____. (+1, -0.33)

a. Rotational potential energy

b. Vertical potential energy

c. Elastic potential energy

d. Gravitational potential energy

98. Odisha joined the Indian Union as an independent state in the year _____ (+1, -0.33)

a. 1950

b. 1949

c. 1947

d. 1948

99. What is the 10th number in the series 12, 19, 26, 33, ...? (+1, -0.33)

a. 89

b. 75

c. 82

d. 68

100. How much must be added to the difference of 5.62 and 3.76 to make 10? (+1, -0.33)

- a. 6.24
- b. 0.62
- c. 4.38
- d. 8.14

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