



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 (3-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.

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Test

1. Choose the option which is NOT true about the circulatory system. (+1, -0.33)

- a. Blood is red vascular connective tissue.
- b. An adult human has about 5-6 litres of blood.
- c. The life span of human RBCs is 115-120 days.
- d. It is about 1.7-1.8% of the body weight.

2. A question and two statements are given. Identify which statement(s) is/are necessary / sufficient to answer the question. (+1, -0.33)

Question:

What is Vimla's age?

Statements:

I. Vimla, Kamla and Sudha are all of the same age.

II. The total age of Vimla, Kamla and Amla is 32 years, and Amla's age is equal to the ages of Vimla and Kamla taken together.

- a. Both data I and II together are necessary
- b. Only data I is sufficient
- c. Only data II is sufficient
- d. Either data I alone or II alone is sufficient

3. A porter lifts an 11 kg load from the ground and places it on his head 1.5 m above the ground. How much total work is done on the load by the porter (+1, -0.33)

(take $g = 10 \text{ m s}^{-2}$)?

- a. 150 J
- b. 100 N
- c. 165 J
- d. 155 J

4. Nandan is facing west. He turns 135° clockwise and then 45° anticlockwise. (+1, -0.33)
In which direction is he facing now?

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

5. The dimensions of a rectangular box are in the ratio 2 : 3 : 5. If the total surface area is 6200 sq cm, find the dimensions of the cuboid. (+1, -0.33)

- a. 20cm x 30cm x 50cm
- b. 20cm x 30cm x 40cm
- c. 30cm x 40cm x 50cm
- d. 20cm x 40cm x 50cm

6. A statement is followed by two arguments. Decide which argument(s) (+1, -0.33)
is/are strong in the context of the statement.

Statement:

Should seniority be the criterion for promotion in a company?

Arguments:

1. Yes, without senior employees the operations of a company cannot run smoothly.

2. No, it will encourage favouritism and discrimination.

- a. Either argument 1 or 2 is strong
- b. Only argument 1 is strong
- c. Neither argument 1 nor 2 is strong
- d. Only argument 2 is strong

7. Which of the following has no unit? (+1, -0.33)

- a. Magnification
- b. Focal length
- c. Power of a lens
- d. Power of accommodation

8. Ravi had ₹713.39 in his bank account. He deposited some more amount into his account and then withdrew money to pay for five shirts, each costing ₹123.79. If the total balance in his account is ₹545.19, how much amount did he deposit? (+1, -0.33)

- a. ₹460.70

- b. ₹450.75
- c. ₹459.50
- d. ₹448

9. Open Market Operations by the RBI refers to the sale and purchase of ----- (+1, -0.33)

- a. Foreign currency
- b. Government securities
- c. Fixed assets
- d. Bullions

10. The silver coins introduced by Sher Shah were also continued by the Mughals under the name ----- (+1, -0.33)

- a. Rupaya
- b. Taka
- c. Tanka
- d. Mohur

11. A train, running at a speed of 48 km/hr, can complete its journey in 10 hours. If the same distance has to be covered in 8 hours, what should be the speed of the train? (+1, -0.33)

- a. 55 km/hr

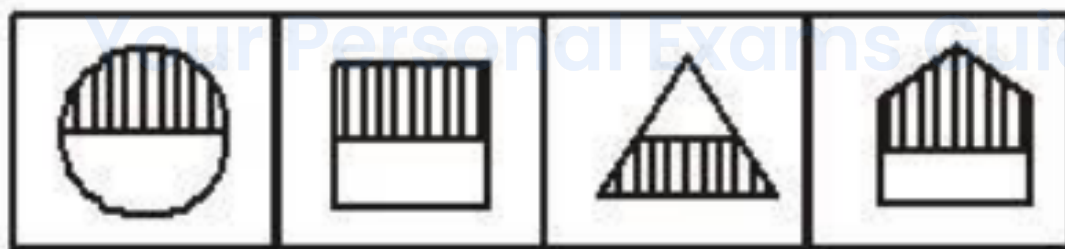
- b. 50 km/hr
- c. 45 km/hr
- d. 60 km/hr

12. In the following chemical reaction, which product is represented by X? (+1, -0.33)



- a. H_2O
- b. CO
- c. CO_2
- d. O_3

13. Pick the different figure from the given figure. (+1, -0.33)



A

B

C

D

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

d. D

14. A number was divided in the ratio 7 : 11. When 6 was added to each number, the ratio changed to 5 : 7. What was the larger of the two original numbers? (+1, -0.33)

a. 11

b. 44

c. 22

d. 33

15. The mass of an object is 20 kg. What will be its weight on the earth (take $g = 10 \text{ ms}^{-2}$)? (+1, -0.33)

a. 200 N

b. 200 W

c. 200 kg

d. 200 Pa

16. Who among the following was conferred the title of Saint by Pope Francis in 2016? (+1, -0.33)

a. Mother Teresa

b. Sister Alphonsa

c. Mary Euphrasia

d. Kuriakos

17. When we look at a clock in a mirror and it shows the time 9:30, what will be the actual time on the clock? (+1, -0.33)

a. 6 : 30

b. 2 : 30

c. 8 : 30

d. 11 : 30

18. Who among the following is the first Indian woman gymnast to participate in the Olympics? (+1, -0.33)

a. Bindu Bhosale

b. Jyoti More

c. Aruna Reddy

d. Dipa Karmakar

19. Where was the 48th International Film Festival of India held in 2017? (+1, -0.33)

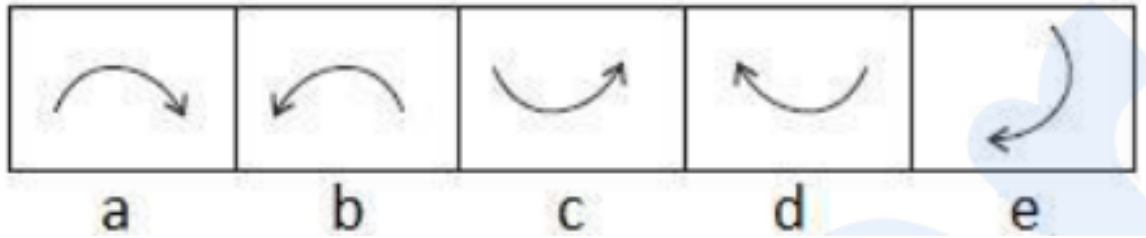
a. Delhi

b. Mumbai

c. Hyderabad

d. Goa

20. Raghu printed five curved lines marked (a), (b), (c), (d) and (e); four of them resemble each other in a specific way while one curve does not resemble the other four in any way. Choose that odd curve. (+1, -0.33)



- a. d
- b. a
- c. e
- d. b
21. A train leaves a station at some speed. From the same station, in the same direction, a second train leaves two hours later at 70 km/hr and catches up with the first train after five hours. Find the speed of the first train in km/hr. (+1, -0.33)

- a. 50 km/hr
- b. 55 km/hr
- c. 40 km/hr
- d. 45 km/hr
22. Choose the option that is related to the third word in the same way as the second word is related to the first. (+1, -0.33)

India : Rupee :: UK : ?

- a. Pound
- b. Dinar
- c. Yen
- d. Lira

23. If $4 \cot \theta = 5$, find the value of $\frac{5 \sin \theta + 3 \cos \theta}{5 \sin \theta - 3 \cos \theta}$. (+1, -0.33)

- a. 7
- b. 9
- c. 3
- d. 4

24. x and y, correct to 1 decimal place, are written as 4.5 and 2.4 respectively. (+1, -0.33)
What is the upper bound of the value of x - y?

- a. 2.1
- b. 2.25
- c. 2.2
- d. 2.15

25. Mendeleev's periodic table was published in a German journal during -----'. (+1, -0.33)

- a. 1871
- b. 1872
- c. 1874
- d. 1873

26. The chemical formula of sodium carbonate is: (+1, -0.33)

- a. $NaCO_2$
- b. Na_2CO_3
- c. Na_3CO_2
- d. Na_2CO_2

27. 6 kg 5 g = ? (+1, -0.33)

- a. 6.05 kg
- b. 6.5 kg
- c. 6.005 kg
- d. 0.65 kg

28. When a certain fraction is subtracted from $\frac{1}{6}$, the result is $\frac{1}{13}$. What is the fraction? (+1, -0.33)

- a. $\frac{7}{78}$
- b. $\frac{1}{7}$

c. $\frac{5}{13}$

d. $\frac{11}{39}$

29. The given table shows the district-level selection of three athlete academies over the last three years. (+1, -0.33)

Academy	2012	2013	2014
A	2	3	4
B	1	5	2
C	3	7	9

How many players in total were selected at the district level from Academy 'B' over the three years?

- a. 5
b. 1
c. 2
d. 8

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

Statements:

- I. All boys are singers.
II. Some singers are trained.

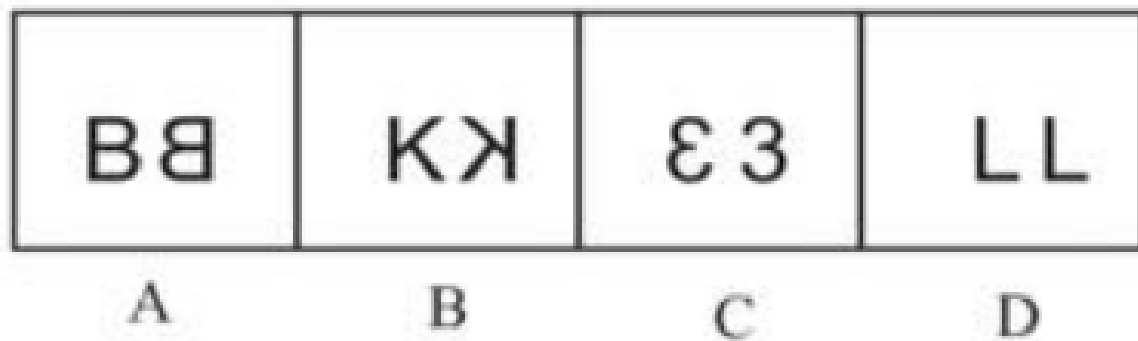
Conclusions:

1. All singers are boys.
 2. Some boys are trained.
- a. Only conclusion 2 follows.
 - b. Neither 1 nor 2 follows.
 - c. Only conclusion 1 follows.
 - d. Both 1 and 2 follow.
-

31. _____ is the new capital of Andhra Pradesh. (+1, -0.33)
- a. Amaravati
 - b. Tirupati
 - c. Secunderabad
 - d. Hyderabad
-

32. On a sum of ₹ 3,250 at 5.25% simple interest per annum, the interest earned in 8 years is _____. (+1, -0.33)
- a. ₹ 1,395
 - b. ₹ 1,465
 - c. ₹ 1,365
 - d. ₹ 1,425
-

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



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

34. Ram swims in a 104 m long pond. He covers 208 m by swimming from one end to the other and returning along the same path in one minute. Find his average speed. (+1, -0.33)

- a. 3.0 ms^{-1}
- b. 2 ms^{-1}
- c. 2.5 ms^{-1}
- d. 3.47 ms^{-1}

35. A right circular cylindrical jar of radius 14 cm contains some water. If a spherical ball of radius 5.6 cm is dropped into the water and completely submerged, by approximately what height does the water level in the jar rise? (+1, -0.33)

- a. 1.1 cm

- b. 1.2 cm
 - c. 1.0 cm
 - d. 9.0 cm
-

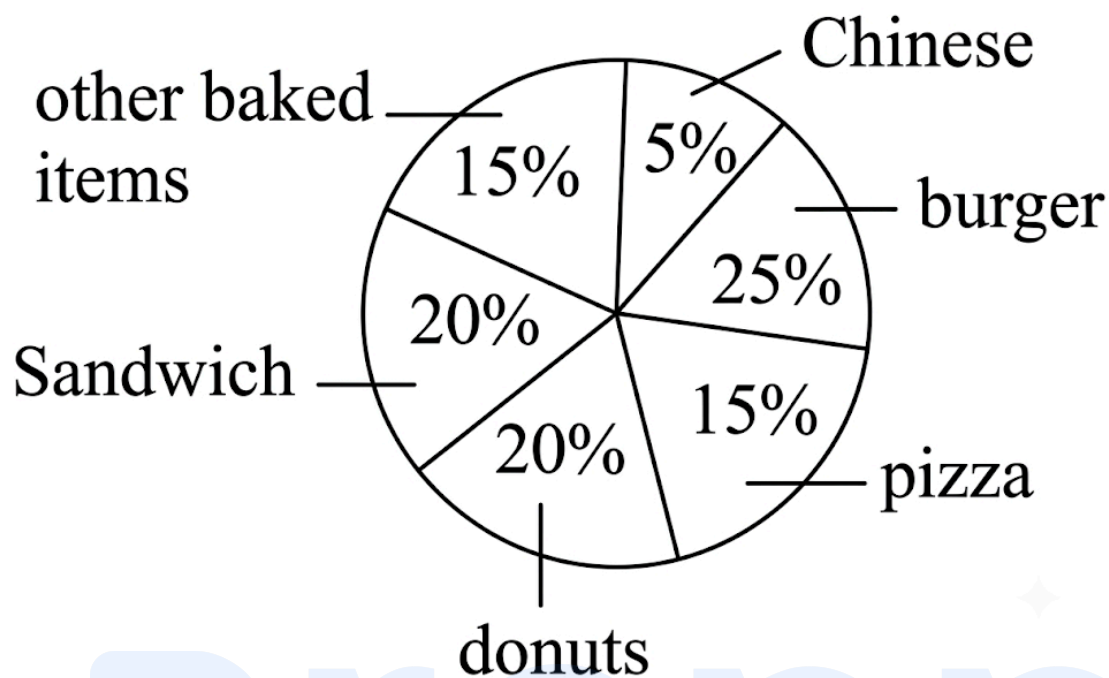
36. Which of the following crops is a leguminous crop? (+1, -0.33)

- a. Cereals
 - b. Pulses
 - c. Maize
 - d. Sesame
-

37. Who was conferred the 30th Indira Gandhi Award for National Integration for 2015-16? (+1, -0.33)

- a. Sri Sri Ravi Shankar
 - b. T. M. Krishna
 - c. A. P. J. Abdul Kalam
 - d. Manmohan Singh
-

38. The following pie chart shows the sale of various food items by XYZ Restaurant. (+1, -0.33)



The total revenue earned by the restaurant in November 2017 was ₹ 35 lakh.

Which food item at XYZ Restaurant earned the least revenue?

- a. Burger
- b. Chinese food items
- c. Sandwich
- d. Donuts

39. On 21 February 2018, India carried out a night trial of its indigenously developed nuclear-capable Prithvi-II missile from a test range in:

(+1, -0.33)

- a. Karnataka
- b. Rajasthan

- c. Odisha
 - d. Tamil Nadu
-

40. Mathura Refinery is the only refinery in Uttar Pradesh and it is the _____ (+1, -0.33)
in the chain of Indian Oil refineries in the country.

- a. 6th
 - b. 9th
 - c. 5th
 - d. 7th
-

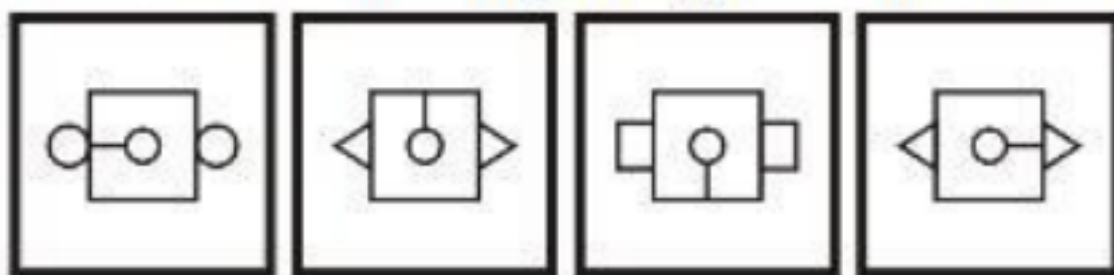
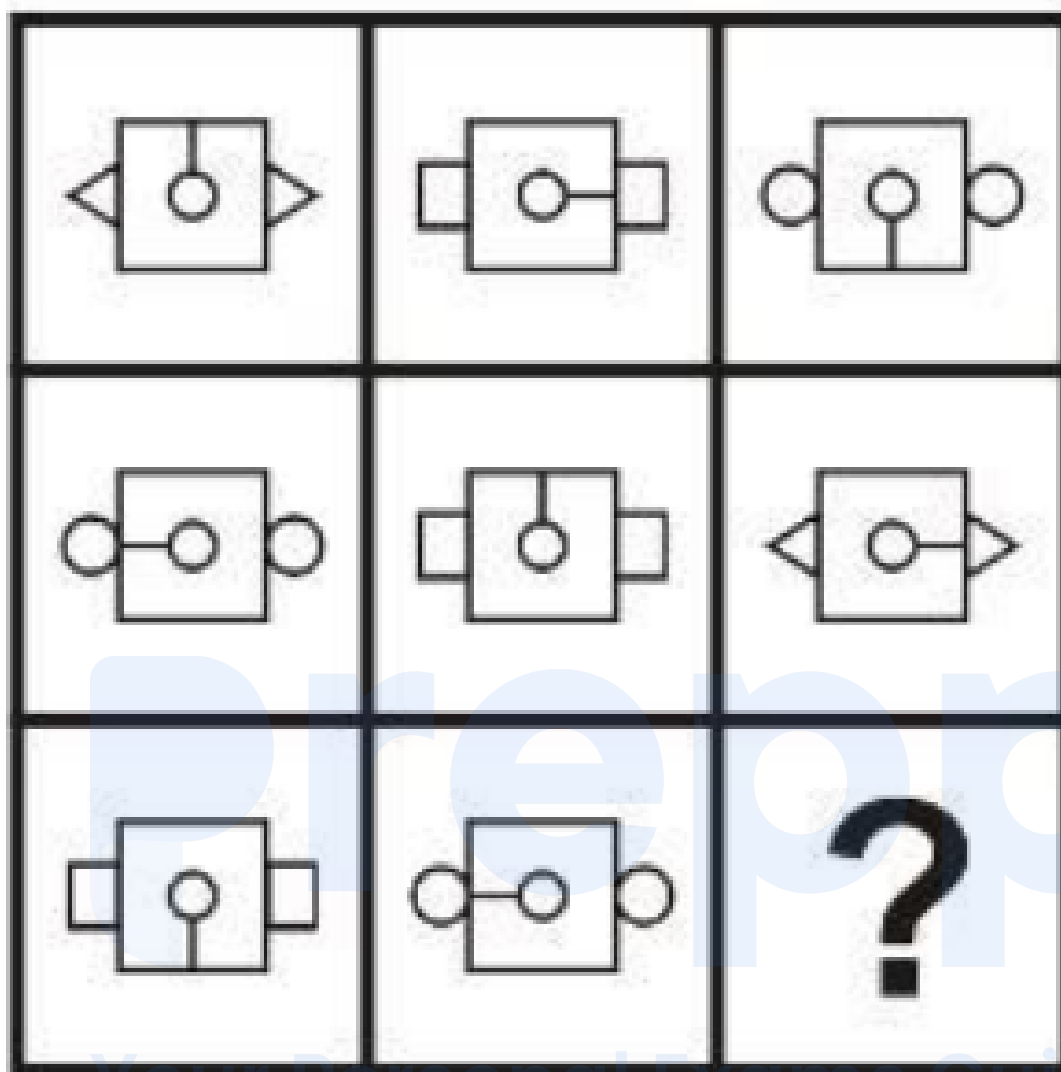
41. 6 7 4 8 5 8 8 4 8 3 2 5 8 6 7 8 3 8 (+1, -0.33)

Using the series above, find which number does not belong to the group.

688, 426, 542, 268

- a. 426
 - b. 542
 - c. 268
 - d. 688
-

42. Choose the figure from the options that fits perfectly in the blank space. (+1, -0.33)



A

B

C

D

a. D

b. B

c. C

d. A

43. If $31 \times 23 = 713$, then $310 \times 0.023 = ?$ (+1, -0.33)

a. 7.13

b. 0.0713

c. 0.713

d. 71.3

44. Considering the statements given, decide which of the following assumption(s) is/are implicit in the statement. (+1, -0.33)

Statement:

A biometric system is a good tool to enforce punctuality among employees. Ethics are very important for a workplace.

Assumptions:

I. Biometrics alone cannot make employees punctual.

II. Workplace ethics play an important role in building discipline and punctuality.

a. Only assumption II is implicit

b. Only assumption I is implicit

c. Neither assumption I nor II is implicit

d. Both assumption I and II are implicit

45. If $\div$ means $\times$, $\times$ means $+$, $+$ means $-$ and $-$ means $\div$, find the value of $28 \times 3 + 12 - 4 \div 10$. (+1, -0.33)

- a. 4
- b. 1
- c. 5
- d. 2

46. A given figure is embedded in exactly one of the answer figures. Which answer figure contains the given figure? (+1, -0.33)

Question figure:

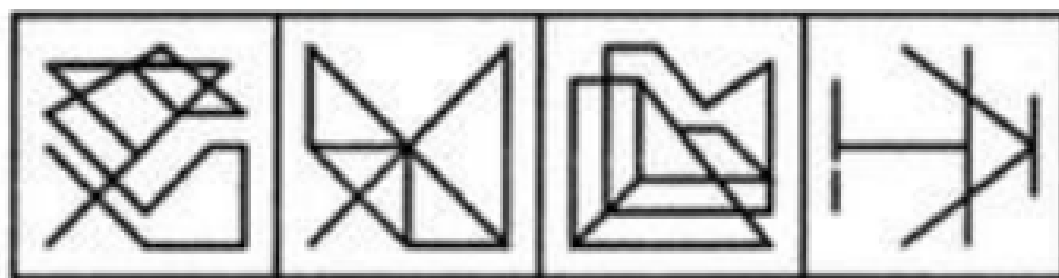
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Option figure:



A

B

C

D

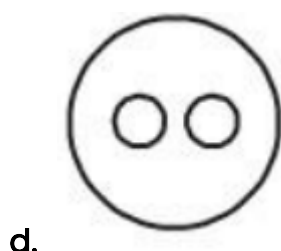
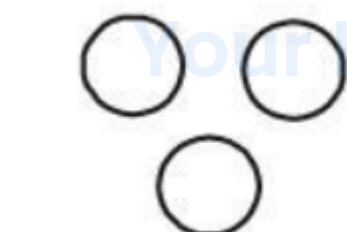
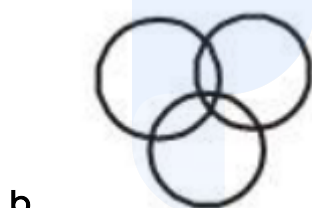
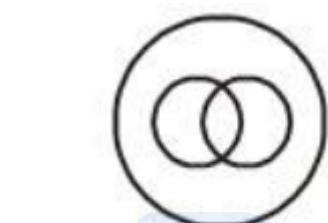
a. A

b. B

c. C

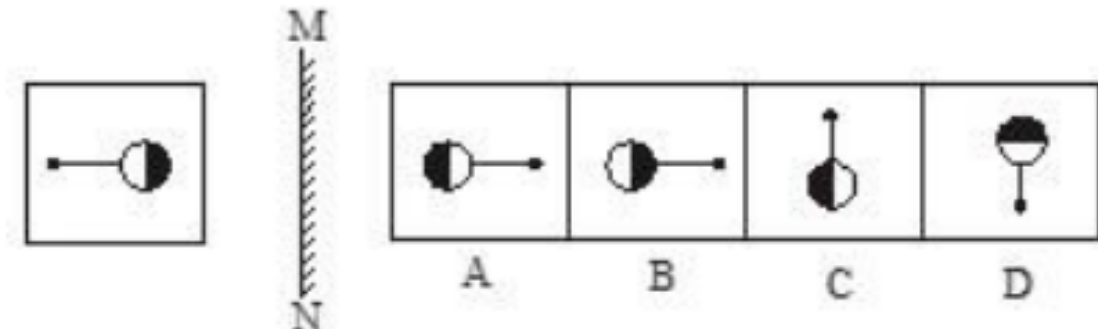
d. D

47. Choose the most appropriate Venn diagram from the following for: (+1, -0.33)
Science, Physics, Biology



48. Select the mirror image of the following:

(+1, -0.33)



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

49. What day of the week will 31 March 2020 be?

(+1, -0.33)

- a. Saturday
- b. Sunday
- c. Tuesday
- d. Monday

50. Meristematic tissues play a special role and give up their ability to divide, then forming -----.

- a. sieve tube cells
- b. companion fibres

- c. permanent tissue
- d. RBC

-
51. A pipe working at its full speed can fill an empty tank in 2 hours. However, (+1, -0.33)
during the first hour it worked at one-twelfth of its capacity, during the
second hour at one-ninth of its capacity, during the third hour at one-
sixth of its capacity, during the fourth hour at one-fourth of its capacity,
and during the fifth hour it was only one-third as efficient as it should
have been. A second pipe worked in the same pattern, but if it had worked
at its full speed it would have filled the empty tank in 4 hours. If both these
pipes together with an outlet pipe (which empties the tank at a constant
rate) are opened simultaneously, a half-empty tank gets filled in 5 hours.
If the outlet pipe alone is run, how many hours will it take to empty a full
tank?
- a. 20
 - b. 24
 - c. 30
 - d. 32

-
52. _____ consists of relatively unspecialised cells with thin cell walls. (+1, -0.33)
- a. Parenchyma
 - b. Collenchyma
 - c. Tracheids
 - d. Sclerenchyma
-

53. Read the statement and identify which of the given conclusions is correct: (+1, -0.33)

Statement:

He is one of the best designers in the world.

Conclusions:

I. There are other good designers in the world.

II. He ranks third among other designers.

- a. Both conclusions I and II follow
- b. Neither conclusion I nor II follows
- c. Only conclusion I follows
- d. Only conclusion II follows

54. _____ gas is used to prevent chips from getting oxidised. (+1, -0.33)

- a. O_2
- b. N_2
- c. Cl_2
- d. H_2

55. At a simple interest rate of 8% per annum, a sum amounts to Rs. 924 in $6\frac{3}{4}$ years. What amount was initially deposited? (+1, -0.33)

- a. Rs. 600

b. Rs. 626

c. Rs. 675

d. Rs. 650

56. The vagina leads to the _____. (+1, -0.33)

a. Uterus

b. Cervix

c. Fallopian tube

d. Oviduct

57. The sum of the interior angles of a simple octagon is _____. (+1, -0.33)

a. 900

b. 720

c. 540

d. 1080

58. Who was conferred the Lata Mangeshkar Lifetime Achievement Award 2016 by the Government of Maharashtra? (+1, -0.33)

a. Laxmikant

b. Uttam Singh

c. Bappi Lahiri

d. Nadeem-Shravan

59. The International System (SI) unit of retardation is _____. (+1, -0.33)

a. ms^2

b. ms

c. ms^{-1}

d. ms^{-2}

60. Find the value of $\sqrt{0.9}$. (+1, -0.33)

a. 0.894

b. 0.958

c. 0.948

d. 0.598

61. A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement. (+1, -0.33)

Statement:

The public should not feed animals in zoos.

Arguments:

I. Yes, it is prohibited to ensure the safety of the visitors.

II. No, it is fun to feed the animals.

- 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.
-

62. In humans, females have the _____ set of sex chromosomes. (+1, -0.33)

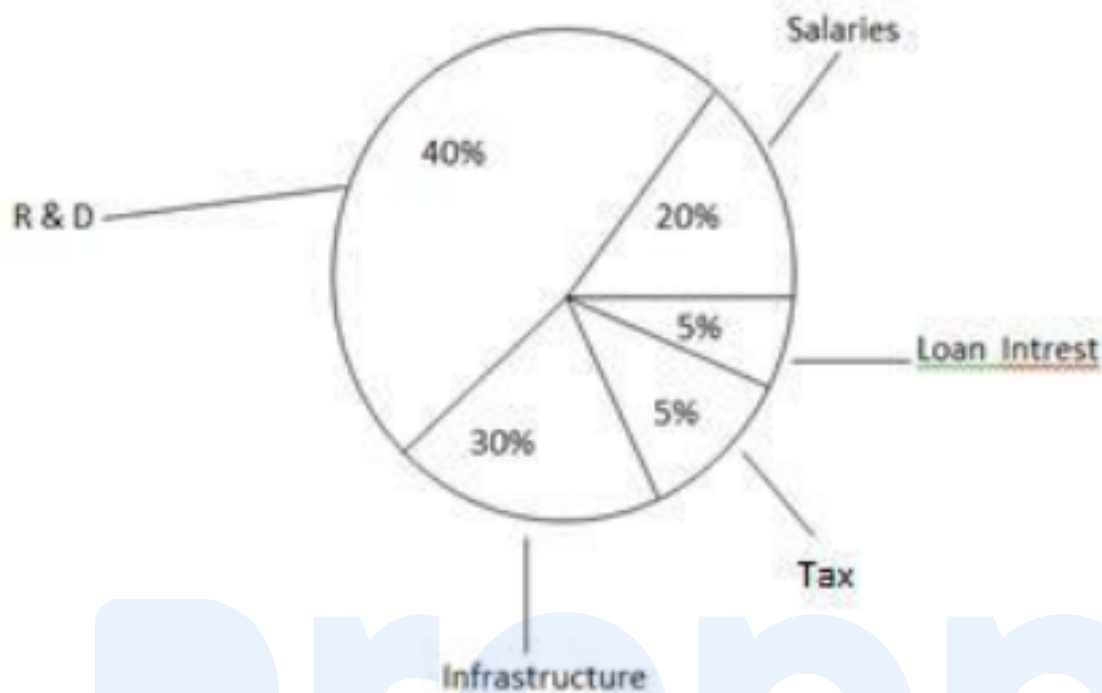
- a. YYX
 - b. XX
 - c. YY
 - d. XY
-

63. Select the option whose relationship with the third word is the same as that of the second word with the first word. (+1, -0.33)

Work : Office :: Exercise :

- a. Weight loss
 - b. Gym
 - c. Swimming
 - d. Walk
-

64. The given pie chart shows the expenditure of company XYZ in Q3 2015 on different categories. (+1, -0.33)



If company XYZ spent a total of Rs. 100 lakh crore, how much was spent on employee income?

- a. Rs. 10 lakh crore
- b. Rs. 20 lakh crore
- c. Rs. 2.5 lakh crore
- d. Rs. 5 lakh crore

65. Ohm's law describes the relationship between _____ and _____. (+1, -0.33)

- a. Potential difference, electric charge
- b. Electric current, electric charge
- c. Potential difference, electric current

d. Electric charge, time

66. Which of the following compounds is the least reactive? (+1, -0.33)

- a. Propene
 - b. Ethyne
 - c. Ethene
 - d. Propane
-

67. Who among the following inaugurated the Dr. A.P.J. Abdul Kalam Memorial at Rameswaram? (+1, -0.33)

- a. K. Palaniswami
 - b. Narendra Modi
 - c. O. Panneerselvam
 - d. Pranab Mukherjee
-

68. Who received the 'Nari Shakti Puraskar' on Women's Day 2018? (+1, -0.33)

- a. Malvika Iyer
 - b. Sonia Gandhi
 - c. Chhavi Rajawat
 - d. Meena Behen
-

69. Which of the following is the State Animal of Andhra Pradesh? (+1, -0.33)

- a. Blackbuck
- b. Bull
- c. Mithun
- d. One-horned Rhinoceros

70. $156 \div [47 + \{105 \div (25 - 120 \div (6 \times 5))\}] =$ (+1, -0.33)

- a. 1
- b. 7
- c. 3
- d. 5

71. _____ does not react with dilute HCl. (+1, -0.33)

- a. Aluminium
- b. Magnesium
- c. Zinc
- d. Copper

72. Find the median of the given set of numbers: (+1, -0.33)

15, 27, 10, 18, 13, 13, 16, 20, 12, 11, 15

- a. 16
 - b. 15
 - c. 18
 - d. 13
-

73. Find the fourth proportional to 3, 4 and 9. (+1, -0.33)

- a. 12
 - b. 16
 - c. 11
 - d. 10
-

74. A certain household consumes 100 units in 5 days; if the energy is converted into joules, how much will it be? (+1, -0.33)

- a. $3.6 \times 10^8 \text{ J}$
 - b. $3.6 \times 10^{-8} \text{ J}$
 - c. $360 \times 10^8 \text{ J}$
 - d. $360 \times 10^{-8} \text{ J}$
-

75. 30 people can complete a certain piece of work in 12 days. How much time will 40 people take to complete the same work? (+1, -0.33)

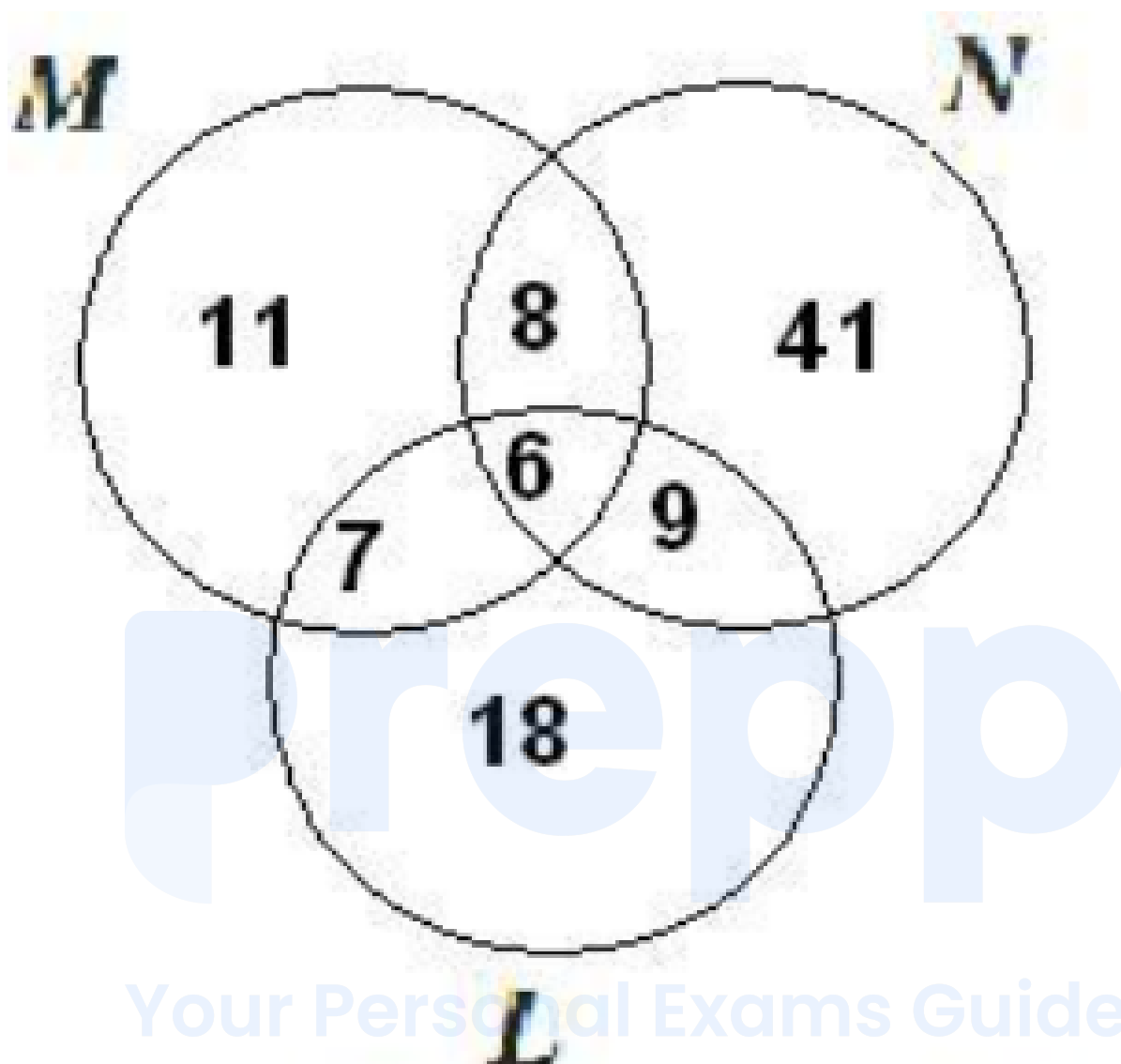
- a. 6

- b. 9
 - c. 10
 - d. 8
-

76. Which of the following is related to the Government of India's 'Khelo India' programme? (+1, -0.33)

- a. Science and Technology
 - b. Sports
 - c. Music
 - d. Literature
-

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77. The above Venn diagram shows the students in a class who play 3 games M, N and L. (+1, -0.33)

The total number of students who play at least two games is:

- a. 35
- b. 30
- c. 31
- d. 28

78. The 2017 Dronacharya Award in the field of Kabaddi was given to: (+1, -0.33)

- a. Heera Nand Kataria
- b. Anoop P Kumar
- c. Pradeep Narwal
- d. Rahul Chaudhary

79. The SI unit of _____ is the ampere. (+1, -0.33)

- a. Resistance
- b. Electric charge
- c. Potential difference
- d. Electric current

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

- A. Solid CO_2 is known as dry ice.
 - B. Solid CO_2 changes directly into liquid form.
 - C. Solid CO_2 changes directly into gaseous form.
- a. All are wrong
 - b. All are correct
 - c. A and C are correct, B is wrong
 - d. A and C are wrong, B is correct

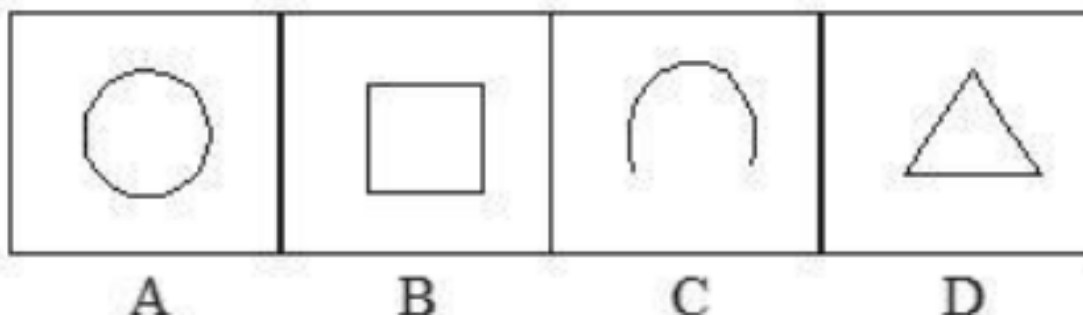
81. Which of the following scientists showed that matter can be transferred into energy and energy into matter? (+1, -0.33)

- a. Joseph Proust
- b. Jacques Charles
- c. Albert Einstein
- d. Robert Boyle

82. _____, Sultan of Delhi, transferred his capital from Delhi to Daulatabad. (+1, -0.33)

- a. Iltutmish
- b. Akbar
- c. Ghiyasuddin Balban
- d. Muhammad-bin-Tughlaq

83. From the given figures, pick out the figure which is different. (+1, -0.33)



- a. C
- b. B

c. D

d. A

84. An element with the electronic configuration 2, 8, 8, 2 is placed in the modern periodic table in the _____ period. (+1, -0.33)

a. 4

b. 10

c. 3

d. 12

85. The work done on an object does not depend on which of the following? (+1, -0.33)

a. Applied force

b. Angle between force and displacement

c. Displacement

d. Mass of the object

86. The total of the ages of a mother and a daughter is 50 years. After 5 years the mother's age will be 4 times the daughter's age. Find the present age of the daughter. (+1, -0.33)

a. 15 years

b. 10 years

c. 12 years

d. 7 years

87. Who has been the Chief Minister of Punjab from 1 March 2018? (+1, -0.33)

- a. Prakash Singh Badal
 - b. Naveen Mahindra
 - c. Navjot Singh Sidhu
 - d. Captain Amarinder Singh
-

88. 1, 8, 27, 64, _____, 216, ... (+1, -0.33)

The missing number in the series is:

- a. 180
 - b. 125
 - c. 120
 - d. 128
-

89. If $6x^2 + 2kx + k = 0$ has no real solution, find the value of k . (+1, -0.33)

- a. $0 < k < 6$
 - b. $k > 6$
 - c. $k > -6$
 - d. $k < 6$
-

90. Who laid the foundation for the future development of radio, telephone, telegraph and even television? (+1, -0.33)

- a. Albert Einstein
- b. Michael Faraday
- c. Heinrich Rudolf Hertz
- d. Joseph John Thomson

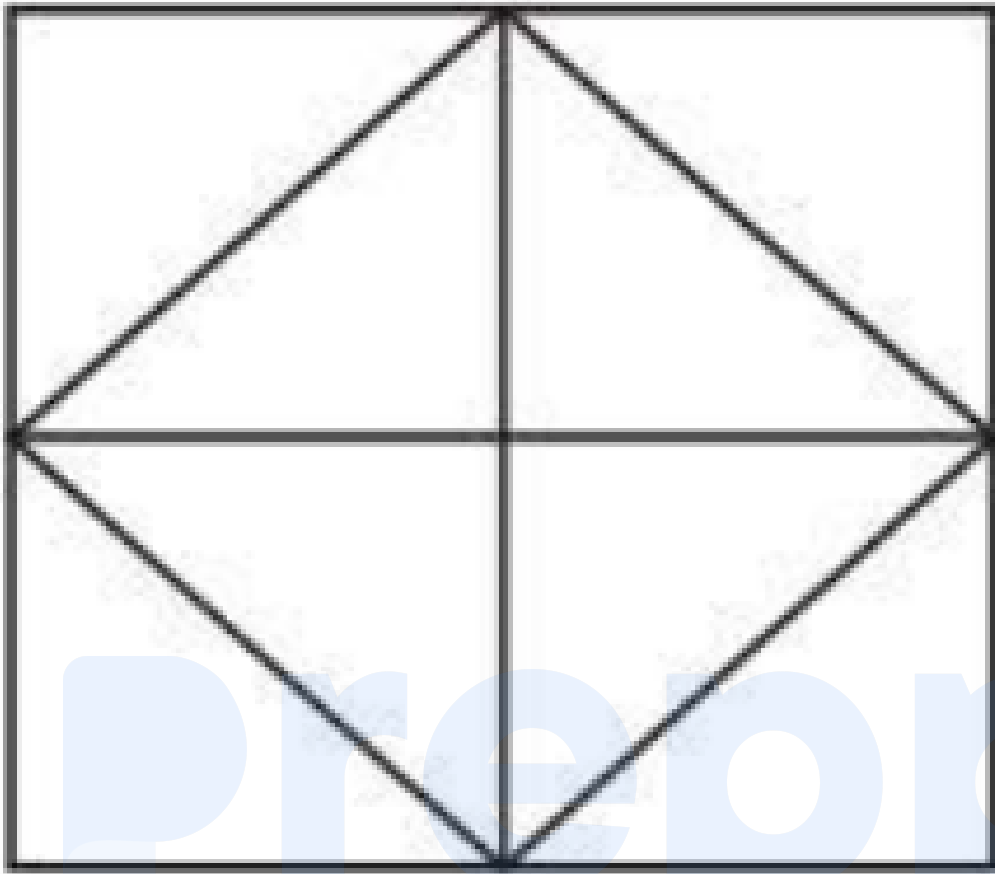
91. If $a + \frac{1}{a} = 5$, what is the value of $a^3 + \frac{1}{a^3}$? (+1, -0.33)

- a. 110
- b. 120
- c. 130
- d. 140

92. Who was the President of Kenya in 2018? (+1, -0.33)

- a. Jomo Kenyatta
- b. Raila Odinga
- c. Uhuru Muigai Kenyatta
- d. Kikuyu Kenyatta

93. Find the number of pentagons in the given figure. (+1, -0.33)



- a. 4
- b. 16
- c. 8
- d. 12

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

Statements:

1. Some albums are photos.
2. All photos are frames.

Conclusions:

1. Some albums are frames.
 2. No photo is an album.
- a. Only (1) follows
 - b. Either (1) or (2) follows
 - c. Only (2) follows
 - d. Both (1) and (2) follow
-

95. Which former Prime Minister of India was conferred the Bharat Ratna posthumously? (+1, -0.33)

- a. Morarji Desai
 - b. Rajiv Gandhi
 - c. Chandra Shekhar
 - d. I. K. Gujral
-

96. How is the mother of the father of the only brother of Suman's sisters related to Suman? (+1, -0.33)

- a. Mother
 - b. Aunt
 - c. Grandmother
 - d. Sister
-

97. Which of the following will give a terminating decimal? (+1, -0.33)

- a. $\frac{9}{72}$
- b. $\frac{6}{72}$
- c. $\frac{3}{72}$
- d. $\frac{12}{72}$

98. A car falls from the side of a road and lands on the ground in 0.5 s. If $g = 10 \text{ ms}^{-2}$, what will be its speed when it hits the ground? (+1, -0.33)

- a. 5 ms^{-1}
- b. 10 ms^{-1}
- c. 10 ms^{-2}
- d. 5 ms^{-2}

99. Find the missing information. (+1, -0.33)

AZBY, CXDW, EVFU, _____, IRJQ

- a. GTHS
- b. GSHT
- c. GRHS
- d. GWHX

100. BASKET is written in a code language as ABKSTE. How will ACTIVE be written in that code language? (+1, -0.33)

- a. ACVET
- b. CAITEV
- c. ITCUA
- d. CAEVTU

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