



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 (26-Nov-2018) (Shift 1)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

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

Navigating & Answering a Question

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

Your Personal Exams Guide

Test

1. Suhas has 1785 eggs while Venya has 3060 eggs. What is the maximum number of eggs that can be kept in each carton so that no egg is left outside and no space is left vacant, and it is also convenient for Suhas and Venya to use? (+1, -0.33)
- a. 85
 - b. 425
 - c. 255
 - d. 595
-
2. According to the recent guidelines of ICC, what is the penalty for ball tampering in cricket? (+1, -0.33)
- a. Ban only for 'International One-Day' matches
 - b. Ban for 6 Test matches and 12 'International One-Day' matches
 - c. Permanent ban
 - d. Ban only for Test matches
-
3. Name the first Indian bank to cross 5 trillion market capitalisation. (+1, -0.33)
- a. IDBI
 - b. PNB
 - c. ICICI
 - d. HDFC

4. What is the SI unit of electric charge? (+1, -0.33)

- a. Newton
 - b. Joule
 - c. Coulomb
 - d. Ampere
-

5. Which city is also known as the 'City of Palaces'? (+1, -0.33)

- a. New Delhi
 - b. Jaipur
 - c. Bengaluru
 - d. Chennai
-

6. If ANIMATION is written as A2I4ATION and HOSPITAL as H2S4ITAL, then how will CATAPULT be written? (+1, -0.33)

- a. C3T4PULT
 - b. C2TAP6LT
 - c. CC2TA5ULT
 - d. C2T4PULT
-

7. Read the given question and decide which of the following statements is sufficient to answer the question. (+1, -0.33)

Question:

A, C, E, G and I are standing in a queue. Who is standing near the counter?

Statements:

1. A is standing at the farthest end and E stands just before A.
2. C is standing in the middle and I stands just before C.

- a. Both statements 1 and 2 together are insufficient.
- b. Only statement 1 is sufficient.
- c. Both statements 1 and 2 together are sufficient.
- d. Only statement 2 is sufficient.

8. Who is the WHO Goodwill Ambassador for Hepatitis in the South-East Asia Region? (+1, -0.33)

- a. Rishi Kapoor
- b. Shah Rukh Khan
- c. Amitabh Bachchan
- d. Salman Khan

9. In an analog clock, at what angle do the two hands of the clock coincide with each other between 3 and 4 o'clock? (+1, -0.33)

- a. $(\frac{180}{11})^\circ$
- b. $(\frac{160}{11})^\circ$
- c. $(\frac{175}{11})^\circ$

d. $(\frac{170}{11})^\circ$

10. Find the median of the data 21, 32, 22, 34, 21, 32, 27, 28, 29, 32, 35, 35, 32, 37. (+1, -0.33)

a. 31

b. 27

c. 32

d. 33

11. Read the given statement and conclusions carefully and select the conclusion(s) that logically follows the statement. (+1, -0.33)

Statement:

Suresh has to take coaching to pass the certification course.

Conclusions:

1) Suresh likes spending money on coaching.

2) Suresh cannot pass without working hard.

a. Only (1) follows.

b. Both (1) and (2) follow.

c. Only conclusion (2) follows.

d. Neither (1) nor (2) follows.

12. Select the one which is incorrect from the following options. (+1, -0.33)

a. $C_3H_7COH \rightarrow \text{Butanol} \rightarrow \text{Butyraldehyde}$

b. $C_2H_5COH \rightarrow$ Propoanol $\rightarrow$ Propaldehyde

c. $CH_3COH \rightarrow$ Ethanol $\rightarrow$ Acetaldehyde

d. $HCOH \rightarrow$ Methanol $\rightarrow$ Formaldehyde

13. A person starts cycling from Delhi to Rohtak, and at the same time (+1, -0.33)
another person cycles from Rohtak to Delhi. After crossing each other they
complete their journey in $10/3$ and $24/5$ hours respectively. If the first
person was cycling at a speed of 8 km/hr what was the speed of the
second person?

a. $\frac{20}{7}$ km/hr

b. $\frac{20}{3}$ km/hr

c. 6 km/hr

d. $\frac{16}{3}$ km/hr

14. If you land at Lengpui airport, you are in _____. (+1, -0.33)

a. Arunachal Pradesh

b. Mizoram

c. Meghalaya

d. Manipur

15. From point O, a person facing east walks 2 km to reach point A, then turns (+1, -0.33)
right and walks 4 km to point B, then turns left and walks 2 km to point C,
then turns left and walks 8 km to point D, then turns left and walks 8 km to

point E, then turns left and walks 4 km to point F.

What is the minimum distance between point A and point E?

- a. $2\sqrt{13}$ km
- b. $2\sqrt{5}$ km
- c. $\sqrt{13}$ km
- d. $3\sqrt{3}$ km

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

Statement: Whenever we make a payment, we should always ask for a receipt.

Arguments:

I. Yes, this way all transactions happening across the country can be recorded and proper audit of business can be done.

II. No, in some cases the value of some transactions will be less than the amount spent on preparing the bill.

- a. Both I and II are strong
- b. Only argument II is strong
- c. Argument I or argument II is strong
- d. Only argument I is strong

17. In which of the following states is the famous hill station 'Kodaikanal' located? (+1, -0.33)

- a. Tamil Nadu

- b. Andhra Pradesh
 - c. Karnataka
 - d. Kerala
-

18. When a clock shows 3:35 what is the acute angle between the minute and hour hands? (+1, -0.33)

- a. 160°
 - b. 180°
 - c. 149°
 - d. $\frac{205^\circ}{2}$
-

19. On the Earth's surface, where air friction is negligible, objects fall with ----- (+1, -0.33)

- a. different acceleration
 - b. same acceleration
 - c. same velocity
 - d. same speed
-

20. Name the Indian radio programme hosted by Prime Minister Narendra Modi in which he addresses the citizens of the country on All India Radio, DD National and DD News. (+1, -0.33)

- a. Desh Raag

- b. Mann Ki Baat
 - c. Hamari Desh
 - d. Suno India
-

21. A boatman takes 12 hours to travel 90 km upstream and only 7.5 hours to return the same distance downstream. What is the speed of the boatman in still water? (+1, -0.33)

- a. 9.5 km/hr
 - b. 9.25 km/hr
 - c. 9.80 km/hr
 - d. 9.75 km/hr
-

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

- a. Energy cannot be created or destroyed.
 - b. Energy cannot be destroyed or transferred.
 - c. Energy cannot be changed or transferred.
 - d. Energy cannot be created or transferred.
-

23. Sound can be transmitted through a medium in which: (+1, -0.33)

- a. there are molecules, which vibrate.
- b. there are molecules, which collide.

- c. there are molecules, which produce ions.
 - d. there is air, which emits light.
-

24. If X is Y's daughter and Y is Z's daughter, then Z is X's _____. (+1, -0.33)

- a. mother
 - b. daughter
 - c. grandmother
 - d. granddaughter
-

25. The Pradhan Mantri Kaushal Vikas Yojana was launched by the Government of India to empower _____. (+1, -0.33)

- a. Agriculture
 - b. Electricity
 - c. Irrigation
 - d. Skill Development
-

26. How many electrons can be accommodated in the K shell? (+1, -0.33)

- a. 2
- b. 8
- c. 32
- d. 18

27. $0.5, \frac{1}{2}, 50\%$ and $\sqrt{2}$ are all: (+1, -0.33)

- a. Rational numbers
- b. Integers
- c. Irrational numbers
- d. Real numbers

28. Which of the following statements about a universal indicator is NOT correct? (+1, -0.33)

- a. A universal indicator is a mixture of many different indicators (or dyes) that gives the same colour at all different pH values across the pH scale.
- b. Like litmus, a universal indicator can be used either as a solution or as paper.
- c. To get information about how acidic or basic a substance is, a universal indicator is used.
- d. Water makes green colour with universal indicators.

29. In a code language, RAN is written as RUN. How will FAN be written in that language? (+1, -0.33)

- a. FZN
- b. FRN
- c. FUN

d. FMT

30. Select the option related to the third word in the same way as the second word is related to the first word. (+1, -0.33)

Soviet Union : Communism :: Nepal : ____

- a. Monarchy
 - b. Dictatorship
 - c. Parliament
 - d. Democracy
-

31. Which of the following helps convert the potential energy of falling water into electricity? (+1, -0.33)

- a. Solar panel
 - b. Biogas plant
 - c. Geothermal power plant
 - d. Hydropower plant
-

32. If A is written as 5, B as 6, C as 7, then 10, 16, 19, 11 is written as which of the following? (+1, -0.33)

- a. FOGL
- b. FLOG
- c. FORG

d. FROG

33. If $a : b :: 42 : 55$ and $b : c :: 33 : 35$, then the value of $a : c$ is: (+1, -0.33)

- a. 6 : 5
 - b. 18 : 25
 - c. 5 : 6
 - d. 5 : 3
-

34. If '+' means ' $\div$ ', ' $\div$ ' means 'x', 'x' means '-', '-' means '+', then the value of $25 \div 2 - 18 + 9 \times 9$ is? (+1, -0.33)

- a. 40
 - b. 101
 - c. 50
 - d. 43
-

35. Which tissue is present in the inner lining of the trachea? (+1, -0.33)

- a. Non-striated muscles
 - b. Cuboidal epithelium
 - c. Squamous epithelium
 - d. Ciliated columnar epithelium
-

36. Calculate the relative molecular mass of HNO_3 . (+1, -0.33)

- a. 60 u
- b. 61 u
- c. 63 u
- d. 62 u

37. A contractor was given a contract to unload goods from a freight train in 10 days. He hired 280 people. After 3 days, $\frac{1}{3}$ of the work was done. To finish the remaining work on time, what should he do? (+1, -0.33)

- a. Remove 40 people.
- b. Add 40 people.
- c. Add 10 people.
- d. Add 20 people.

38. Who became the first Indian woman to be appointed as a judge in the International Tribunal for the Law of the Sea (ITLOS)? (+1, -0.33)

- a. Gita Mittal
- b. Manju Goyal
- c. T. Meena Kumari
- d. Neeru Chadha

39. A carpenter makes a readymade cupboard. He invested ₹50,000 (+1, -0.33) including labour charges, which was 50% of the total investment. If he sold the cupboard at 25% profit over total investment, what is the selling price?

- a. ₹ 62,000
- b. ₹ 62,700
- c. ₹ 62,500
- d. ₹ 60,000

40. Which of the following statements is sufficient to answer the given question? (+1, -0.33)

Question: Find the value of 'a'?

Statements:

- 1) $x^2 + ax + 1 = 0$ has equal roots.
- 2) a is an integer.

- a. Neither statement I nor statement II is sufficient.
- b. Only statement II is sufficient.
- c. Only statement I is sufficient.
- d. Both statements I and II are sufficient.

41. Whose autobiography is 'The Hit Girl'? (+1, -0.33)

- a. Rekha
- b. Asha Bhosle

- c. Sridevi
- d. Asha Parekh

42. "Indian gooseberry (amla) is a rich source of vitamin C. Vitamin C is very important for maintaining overall good health. So, to supplement the levels of vitamin C, we should consume amla regularly." (+1, -0.33)

Assumptions:

- I. Overall good health is important.
- II. Amla has health benefits.

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

43. What is the value of $\sec A(1 - \sin A)(\sec A + \tan A)$? (+1, -0.33)

- a. 0
- b. 2
- c. 1
- d. 3

44. Which of the following was India's first silent film? (+1, -0.33)

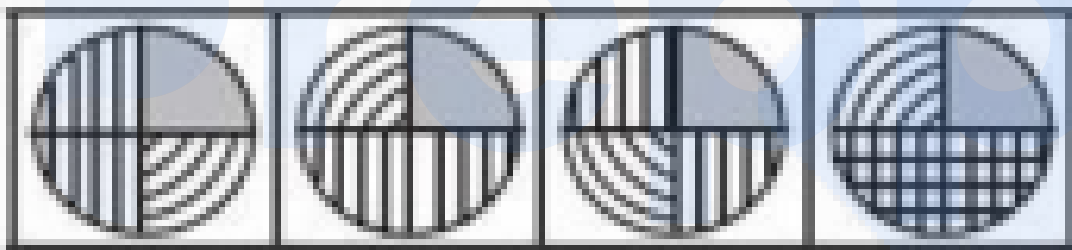
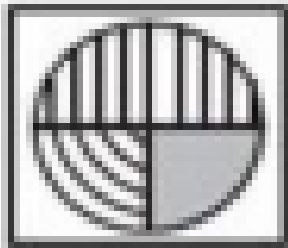
- a. Shakuntala
- b. Raja Harishchandra

c. Prem Sanyas

d. Alam Ara

45. Which figure will appear as the water image of the given figure?

(+1, -0.33)



a

b

c

d

a. c

b. b

c. a

d. d

46. Choose the correct option:

(+1, -0.33)

____ : F :: L : ____

a. E, J

b. B, J

c. H, J

d. H, I

47. What is the LCM of 24, 32 and 80? (+1, -0.33)

a. 480

b. 420

c. 510

d. 460

48. A constant force acts on an object of mass 8 kg for 2 seconds. It increases its velocity from 5 ms^{-1} to 9 ms^{-1} . Find the magnitude of the force. (+1, -0.33)

a. 16.5 N

b. 20 N

c. 19 N

d. 16 N

49. Who took oath as the new Chief Minister of Nagaland? (+1, -0.33)

a. Neiphiu Rio

b. S.C. Jamir

- c. Nice Merulo
 - d. S.S. Khaplang
-

50. What will be the next term in the series: (+1, -0.33)
28, 35, 34, 41, _____

- a. 40
 - b. 58
 - c. 48
 - d. 46
-

51. How many factors of $2^7 \times 3^2 \times 5^3 \times 7^2$ are even numbers? (+1, -0.33)

- a. 288
 - b. 84
 - c. 252
 - d. 45
-

52. Solve the following equation: (+1, -0.33)
 $5 + 5.5 + 55.5 + 555.5 + 55.05 - 60 = ?$

- a. 618.55
- b. 616.55
- c. 666.55

d. 516.55

53. The sum of the medians of a triangle is _____. (+1, -0.33)

- a. Less than half of its perimeter
 - b. Greater than three-fourths of its perimeter
 - c. Greater than its perimeter
 - d. Equal to its perimeter
-

54. Study the given question and decide which of the following statements is necessary/sufficient to answer the question? (+1, -0.33)

Question: What is the age of P?

Statements:

- 1. P's age is twice that of Q.
- 2. Q is 5 years old.

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

55. The least reactive elements in the periodic table are: (+1, -0.33)

- a. Alkali metals
- b. Alkaline earth metals
- c. Transition elements

d. Noble gases

56. Find the median of the following series: (+1, -0.33)

34, 43, 37, 22, 25, 36, 41, 36, 27, 33

a. 35

b. 33

c. 34

d. 36

57. Who was the first Prime Minister of India to resign before the completion of his term? (+1, -0.33)

a. Lal Krishna Advani

b. Morarji Desai

c. Smt. Indira Gandhi

d. Atal Bihari Vajpayee

58. Which of the following statements about metals is NOT correct? (+1, -0.33)

a. All metals (except mercury) are hard and rigid.

b. Metals have high melting and boiling points.

c. Metals are shiny and can be polished.

d. Metals are not malleable and ductile.

59. Z said to A, "Dogs are afraid of darkness." (+1, -0.33)

Conclusions:

i. Z knows about the behaviour of dogs.

ii. Z has a dog.

a. Only conclusion ii is logical.

b. Neither conclusion i nor ii is logical.

c. Only conclusion i is logical.

d. Both conclusions are logical.

60. In a group of children, 12 like chocolate, 15 like candy and 15 like cake. 8 children like two of these and 2 like all three. How many children are in the group? (+1, -0.33)

a. 2

b. 5

c. 8

d. 10

61. What are the halides called in which halogen atoms act as a bridge between two atoms of other elements? (+1, -0.33)

a. Polymeric halides

b. Polymeric hydrides

c. Electronegative halides

d. Covalent halides

62. A clock seen in a mirror shows quarter to three. What is the correct time shown by the clock? (+1, -0.33)

a. 08:45

b. 09:15

c. 03:15

d. 08:15

63. Ten years ago, Ram's age was 5 years more than half his mother's age. Five years from now, Ram's mother's age will be 1.5 times Ram's age. What is Ram's mother's present age? (+1, -0.33)

a. 48 वर्ष

b. 44 वर्ष

c. 42 वर्ष

d. 45 वर्ष

64. A sugar solution contains 8% sugar. If the volume of the solution is 925 ml, what is the amount of sugar in it? (+1, -0.33)

a. 73.5 ml

b. 74 ml

c. 72.5 ml

d. 55.5 ml

65. If the velocity of a sound wave is 5200 m/s and its frequency is 1000 Hz, what will be its wavelength? (+1, -0.33)

a. 52 m

b. 26 m

c. 5.2 m

d. 520 m

66. A postman was returning to the post office, which was in front of him in the North. When the post office was 80 m away from him, he turned to his left and walked 20 m to deliver the last letter. Then he walked 30 m in the same direction, turned to his right and walked 80 m. How far was he from the post office? (+1, -0.33)

a. 50 m

b. 90 m

c. 10 m

d. 100 m

67. 1 kWh = ? (+1, -0.33)

a. 3.6×10^7 J

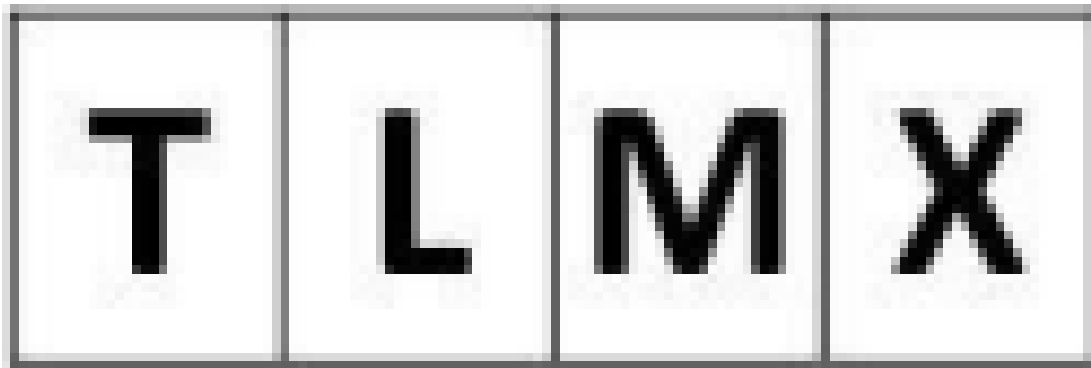
b. 3.6×10^6 J

c. 3.6×10^4 J

d. $3.6 \times 10^5 \text{ J}$

68. Select the figure different from the others in the given figures.

(+1, -0.33)



A

B

C

D

a. D

b. A

c. C

d. B

Your Personal Exams Guide

69. What is the name of the famous Konkani writer who was honoured with the prestigious Saraswati Samman 2016 for his novel 'Hawthan'?

(+1, -0.33)

a. Amitav Ghosh

b. Mahabaleshwar Sail

c. Satyajit Ray

d. Kunal Basu

70. On selling an item for ₹19.50, a shopkeeper gains 23% profit. How much should he increase the selling price to earn a 30% profit? (+1, -0.33)

- a. ₹ 2.00
- b. ₹ 1.11
- c. ₹ 3.00
- d. ₹ 1.50

71. A seller suffers a loss of 24% on selling a set of books for ₹1805. What should be the selling price for him to earn an 8% profit? (+1, -0.33)

- a. ₹ 2375
- b. ₹ 2565
- c. ₹ 2455
- d. ₹ 2665

72. Which of the following fractions is the largest? (+1, -0.33)

$$\frac{1}{10}, \frac{1}{100}, \frac{9}{1000}, \frac{5}{10000}$$

- a. $\frac{1}{10}$
- b. $\frac{9}{1000}$
- c. $\frac{1}{100}$
- d. $\frac{5}{10000}$

73. On 1st November _____, the new states of Assam, West Bengal, Odisha, Madras, Karnataka and Kerala were formed on a linguistic basis. (+1, -0.33)

- a. 1956
- b. 1957
- c. 1946
- d. 1947

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

- A. A base which completely ionises in water produces a large amount of OH^- ions.
- B. A base which partially ionises in water produces fewer OH^- ions.

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

75. 'Indira Awas Yojana', a social welfare scheme to provide housing to the rural poor in India, was launched in _____. (+1, -0.33)

- a. 2000-01
- b. 1998-99
- c. 1997-98
- d. 1985-86

76. What is the smaller angle formed by the hour and minute hands of a clock at 11:11:12 p.m.? (+1, -0.33)

- a. 91.6°
- b. 91.4°
- c. 91.2°
- d. 91.5°

77. A person facing South-East turns 270° clockwise and then 90° anti-clockwise. Now he is facing the _____ direction. (+1, -0.33)

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

78. On Avansh's birthday 350 or 378 guests will come. Each guest is to be offered a chocolate. The vendor has told Avansh that she will pack the chocolates in cartons and take back any unopened cartons, but will add a packing cost for cartons she has to pack. In this situation how many chocolates should Avansh keep in each carton? (+1, -0.33)

- a. 7
- b. 14
- c. 42

d. 28

79. The history of iron and steel industries in India started with the establishment of Tata Iron and Steel Company in _____. (+1, -0.33)

- a. Odisha
 - b. Kerala
 - c. Jharkhand
 - d. Mumbai
-

80. Horizontal axis and vertical axis are types of _____. (+1, -0.33)

- a. biogas reactors
 - b. windmills
 - c. nuclear reactors
 - d. solar cells
-

81. Rupali got 84% marks in one test. In another test she scored 27 out of 45. If her overall percentage was 75%, how many marks was the first test out of? (+1, -0.33)

- a. 100
- b. 75
- c. 60
- d. 80

82. _____ tissue is mainly composed of dead cells. (+1, -0.33)

- a. Collenchyma
 - b. Sclerenchyma
 - c. Parenchyma
 - d. Chlorenchyma
-

83. Which of the following countries is a neighbour of India? (+1, -0.33)

- a. Mauritius
 - b. South Africa
 - c. Malaysia
 - d. Pakistan
-

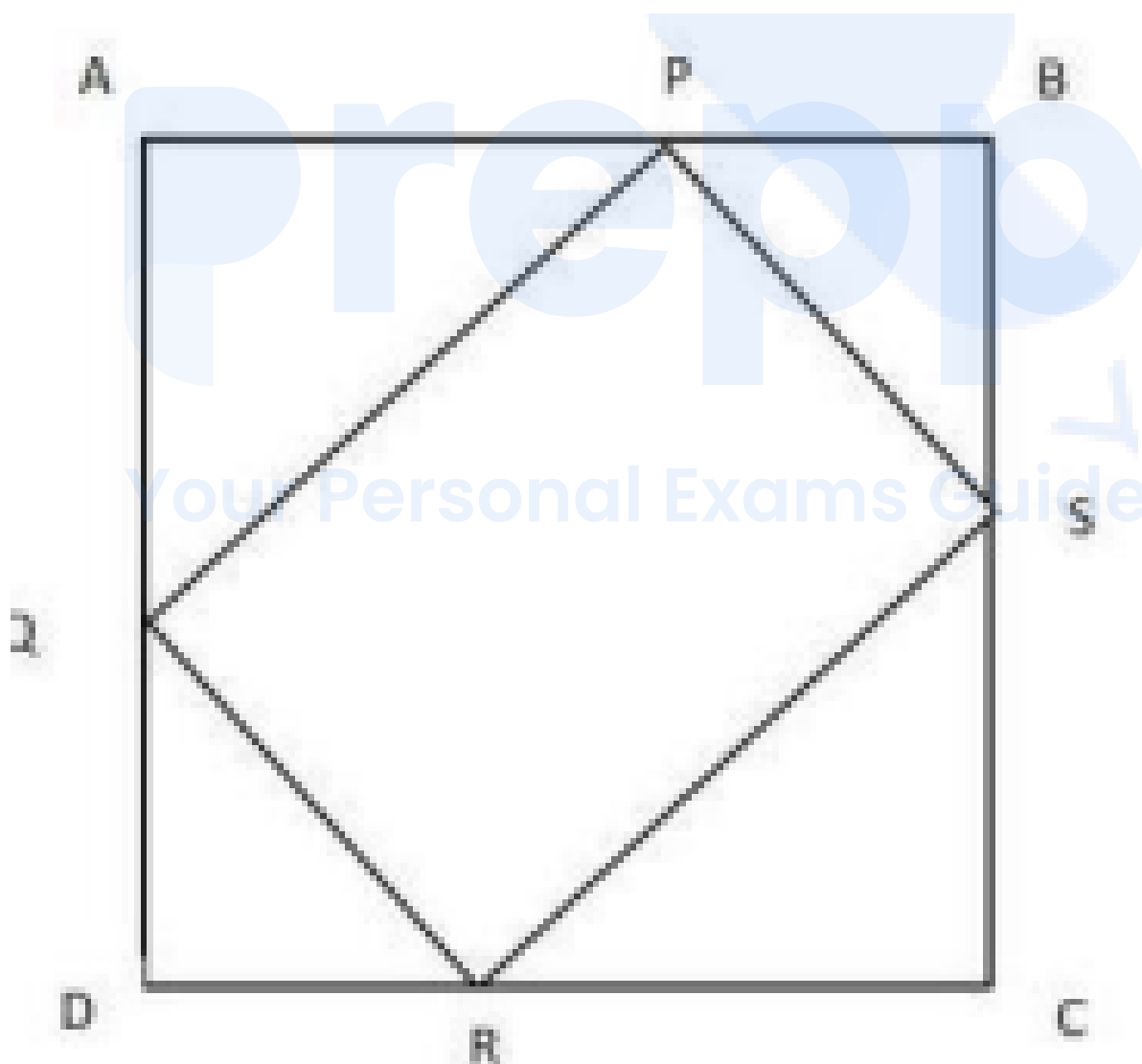
84. What is the force acting perpendicularly on a unit area of a surface called? (+1, -0.33)

- a. Net force
 - b. Pressure
 - c. Moment
 - d. Power
-

85. "I am the only son of her mother's son." How is Rani related to Suresh? (+1, -0.33)

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

86. In the figure above, two pairs of equal isosceles triangles are cut from square ABCD, leaving a rectangle PQRS. The total area of the cut parts is 162m^2 . The length of PR (in m) is: (+1, -0.33)



a. $\sqrt{162}$

b. $\sqrt{486}$

c. 36

d. 18

87. A line emerges in the _____ when an electron transitions from $n=3$ to $n=2$ level. (+1, -0.33)

a. Far infrared spectrum

b. Visible spectrum

c. Infrared spectrum

d. Ultraviolet spectrum

88. _____ is the 'energy currency' for most cellular processes. (+1, -0.33)

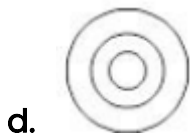
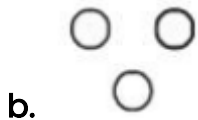
a. APT

b. ADP

c. PTA

d. ATP

89. Choose the most appropriate Venn diagram showing the relationship between the following classes:
Animal, Tiger, Horse. (+1, -0.33)



90. What is the time rate of change of momentum called? (+1, -0.33)

- a. impulse
- b. force
- c. acceleration
- d. velocity

91. _____ is the cause of greater variation in origin. (+1, -0.33)

- a. Asexual reproduction
- b. Vegetative propagation
- c. Tissue culture
- d. Sexual reproduction

92. Find the value of '?' in $\sqrt{?} - 3 = 19$.

(+1, -0.33)

- a. 484
- b. 294
- c. 534
- d. 384

93. Read the given statements and conclusions carefully, and choose the conclusion that logically follows the statements.

(+1, -0.33)

Statements:

A triangle has three angles.

A rectangle has four angles.

Conclusions:

A polygon has many angles.

So the drawn conclusion is -

- a. either probably true or probably false
- b. definitely false
- c. inconsistent
- d. definitely true

94. Find the next number in the series.

(+1, -0.33)

8, 17, 33, 67, 133, ?

- a. 267
- b. 210

c. 260

d. 300

95. Recently, who became the first Indian woman cricketer to participate in England's Kia Super League? (+1, -0.33)

a. Harmanpreet Kaur

b. Jhulan Goswami

c. Mithali Raj

d. Smriti Mandhana

96. $\frac{5}{6}$ of an hour is equal to _____. (+1, -0.33)

a. 55 minutes

b. half an hour

c. 40 minutes

d. 50 minutes

97. India won the Hockey Asia Cup 2017 title by defeating which of the following countries? (+1, -0.33)

a. Japan

b. South Korea

c. Malaysia

d. Pakistan

98. Which of the following is related to the stability of a species' population? (+1, -0.33)

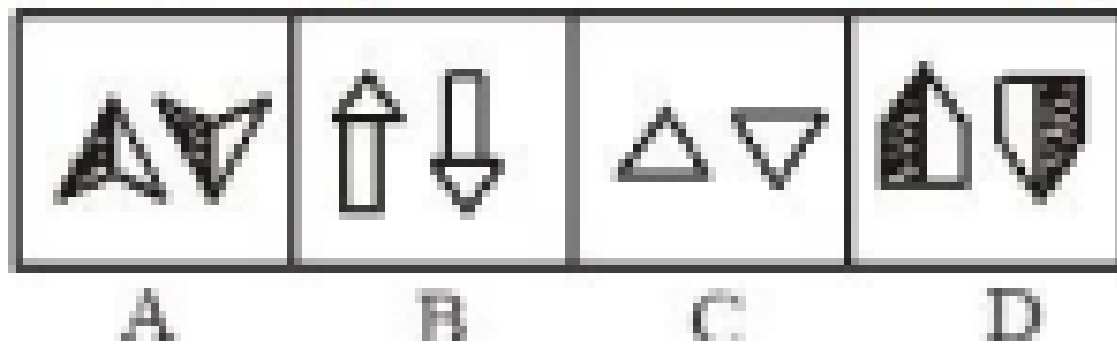
- a. Respiration
- b. Circulation
- c. Reproduction
- d. Excretion

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



- a. 9
- b. 10
- c. 7
- d. 8

100. Select the incongruent figure from the given figures. (+1, -0.33)



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

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