



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 (23-Sep-2018) (Shift 3)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

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

Navigating & Answering a Question

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

Your Personal Exams Guide

Test

1. In a certain code, ROPE is written as URSH. How will PORT be written in that code? (+1, -0.33)
- a. URWG
 - b. SRUL
 - c. SRUW
 - d. RSVM
-
2. Reproduction is divided into a maximum of how many categories? (+1, -0.33)
- a. 5
 - b. 4
 - c. 3
 - d. 2
-
3. Find the odd one out among these: A. Chain, B. Anklet, C. Silver, D. Watch (+1, -0.33)
- a. B
 - b. A
 - c. D
 - d. C
-
4. Satyagraha Ashram is the real name of _____. (+1, -0.33)

- a. Ahimsa Ashram
- b. Dandi Ashram
- c. Sabarmati Ashram
- d. Gandhidham Ashram

5. Meetal goes for a walk in a park located near the left side of her house, as seen when standing at the entrance and facing out. The entrance of her house faces east. She walks directly towards the park, and after entering it, she always turns to her right to start the walk. In which direction does she start walking? (+1, -0.33)

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

6. Propagation of sound is possible only when there is a _____. (+1, -0.33)

- a. Vacuum
- b. Medium
- c. Reflection
- d. Refraction

7. When written as a recurring decimal, $\frac{1}{7}$ is equal to: (+1, -0.33)

- a. $0.\overline{14287}$
- b. $0.\overline{1428537}$
- c. $0.\overline{142857}$
- d. $0.\overline{142867}$

8. Pipes A and B, working together, can fill an empty tank in 14.4 hours. If A stops working after 2.4 hours, it takes a total of 50.4 hours to fill the tank. How much time will A alone take to fill the empty tank? (+1, -0.33)

- a. 14.4 hours
- b. 19.2 hours
- c. 15.6 hours
- d. 18 hours

9. $78 - \{3^3 \times 2^4 \div (9 - \overline{26 - 41})\} = ?$ (+1, -0.33)

- a. 34
- b. 10
- c. 60
- d. 58

10. Which of the following can tolerate the mixing of oxygenated and deoxygenated blood? (+1, -0.33)

- a. Fish

- b. Pigeon
- c. Frog
- d. Rabbit

11. Consider the given statements and conclusions and decide which of the following conclusions are correct. Statements: 1. All cakes are wheat. 2. All wheat are grains. Conclusions: 1. All cakes are grains. 2. All grains are cakes. (+1, -0.33)

- a. Only conclusion 1 is correct.
- b. Both conclusions are false.
- c. Only conclusion 2 is correct.
- d. Both conclusions are correct.

12. In a right-angled triangle, the lengths of the two sides containing the right angle are 5 cm and 3 cm. What will be the area of its circumcircle? (+1, -0.33)

- a. $9.0\pi \text{ cm}^2$
- b. $8\pi \text{ cm}^2$
- c. $8.5\pi \text{ cm}^2$
- d. $9.5\pi \text{ cm}^2$

13. Which of the given conclusions follow from the following statement? (+1, -0.33)
Statement: Among all cosmetic brands, MAC products are the most popular. Conclusions: I. MAC products are more expensive than others. II. There is no competitor equal to MAC.

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

14. Which of the following does not affect the value of acceleration due to gravity? (+1, -0.33)

- a. Mass
- b. Shape of the Earth
- c. Depth
- d. Height

15. If $\operatorname{cosec} \theta + \cot \theta = 10$, then $\cot \theta = ?$ (+1, -0.33)

- a. 5.1
- b. 5.05
- c. 4.95
- d. 4.9

16. Sangeet Natak Akademi was established in the year _____. (+1, -0.33)

- a. 1955
- b. 1958

c. 1953

d. 1954

17. Find the analogous pair: Duck : Quack :: ? : ? (+1, -0.33)

a. Cock : Mew

b. Snake : Hiss

c. Finch : Bird

d. Crow : Strut

18. Atomic size is determined by which of the following? (+1, -0.33)

a. Valence electrons

b. Atomic radius

c. Molecular weight

d. Atomic mass number

19. The average of three numbers is 16.5. The average of the first two numbers is 15.5, while the average of the last two numbers is 18.5. The three numbers are: (+1, -0.33)

a. 12, 19, 18

b. 14.5, 16.5, 20.5

c. 12.5, 18.5, 18.5

d. 13.5, 17.5, 19.5

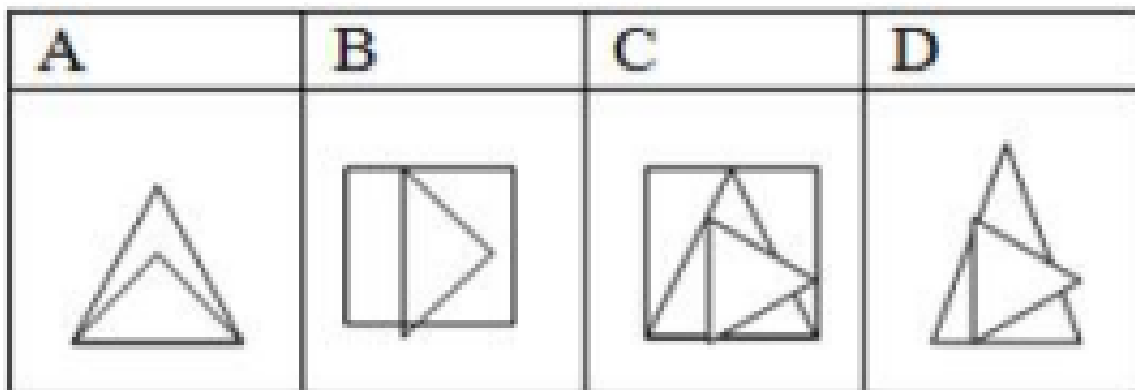
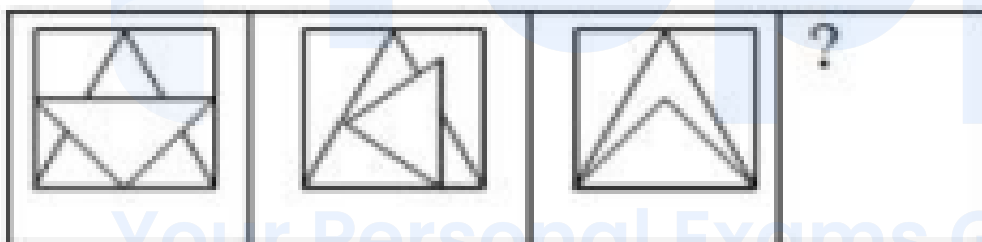
20. "Pitch to Move", a mobility pitch competition for budding start-ups in mobility sector, was launched by -----.

(+1, -0.33)

- a. Stand-up India
- b. NITI Aayog
- c. Start-up India
- d. Kerala Startup Mission

21. Select the next option that will come in the following series:

(+1, -0.33)



a. C

b. B

c. D

d. A

22. A sum of money amounts to ₹1,113 in 9 years at 9.5% annual simple interest. The amount invested initially was: (+1, -0.33)

a. ₹675

b. ₹650

c. ₹600

d. ₹626

23. Silver chloride is stored in a dark bottle to: (+1, -0.33)

a. Avoid contact with air

b. Add color of sunlight

c. React with oxygen

d. Avoid the reaction with sunlight

24. Which island in Odisha was named after Abdul Kalam on 27 July 2017? (+1, -0.33)

a. Wheeler Island

b. Andaman

c. Lakshadweep

d. Diu

25. Identify the odd one from the following:

(+1, -0.33)

A	B	C	D
S17	U19	Y24	W21

a. D

b. C

c. B

d. A

26. The number of atoms forming a molecule is called:

(+1, -0.33)

a. Molarity

b. Normality

c. Valency

d. Atomicity

27. Type 1 workers are 2.25 times as efficient as Type 2 workers. 12 Type 1 workers take 16 days to complete a work. How many days will it take for 4 Type 1 and 15 Type 2 workers to complete the same work?

(+1, -0.33)

a. 18

b. 17

c. 20

d. 19

28. If '>' means '+', '<' means '-' and 'x' means ' $\div$ ', then what is the value of (+1, -0.33)
 $((25 > 30) \times 5) \times 10$?

a. 1.1

b. 0

c. -1.1

d. 1

29. What is the force exerted by a charged body on another charged body (+1, -0.33)
called?

a. Electrostatic force

b. Gravitational force

c. Centripetal force

d. Frictional force

30. Which political party was recognized as a national party by the Election (+1, -0.33)
Commission in 2016?

a. AIADMK

b. Trinamool Congress

c. YSR Congress

d. Telugu Desam

31. Which of the following assumptions is implicit in the statement? (+1, -0.33)

Statement: Lata told her husband, "I am excited to meet my old friends at the party." Assumptions: I. Lata does not like going to parties. II. She is reminiscing all moments spent with her old friends.

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

32. Which of the following pairs has the same units? (+1, -0.33)

- a. Pressure and Force
 - b. Force and Work
 - c. Work and Energy
 - d. Power and Pressure
-

33. The area of a rhombus is 48 cm^2 and the length of one of its diagonals is $12\sqrt{2} \text{ cm}$. What is the length of each side of this rhombus? (+1, -0.33)

- a. $3\sqrt{2} \text{ cm}$
- b. $4\sqrt{5} \text{ cm}$
- c. $2\sqrt{5} \text{ cm}$

d. $4\sqrt{2}$ cm

34. Vegetative propagation is not found in which of the following? (+1, -0.33)

- a. Bryophyllum
 - b. Mustard
 - c. Banana
 - d. Sweet potato
-

35. _____ is the first bank to sell train tickets through its website in partnership with Indian Railways. (+1, -0.33)

- a. Vijaya Bank
 - b. RBL
 - c. ICICI
 - d. IDBI
-

36. Just as "Button" is related to "Shirt", what is related to "Hair"? (+1, -0.33)

- a. Spa
 - b. Oil
 - c. Comb
 - d. Clip
-

37. Wire-wound variable resistance is known by which name? (+1, -0.33)

- a. Rheostat
- b. Triode
- c. Coil
- d. Resistor

38. Which of the following animals does not produce infrasound? (+1, -0.33)

- a. Elephant
- b. Rhinoceros
- c. Whale
- d. Dolphin

39. A car starts from rest and moves with uniform acceleration. If it attains a velocity of 20 m/s in 4 seconds, then the acceleration of the car is (+1, -0.33)

-----.

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

40. The general formula of an alkyne is: (+1, -0.33)

- a. C_nH_{2n-2}
 - b. C_nH_{2n+4}
 - c. $C_nH_{2n}OH$
 - d. C_nH_{2n}
-

41. Name the athletic event in which Manpreet Kaur won a gold medal in the first leg of the Asian Grand Prix Athletics Meet. (+1, -0.33)

- a. Long jump
 - b. High jump
 - c. Shot put
 - d. Discus throw
-

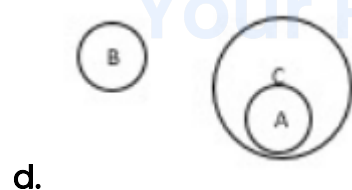
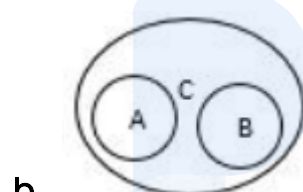
42. Consider the following statements and conclusions, and determine if the conclusion logically follows the statements. Statements: 1. X is a good dancer. 2. Dancers are strong. Conclusions: 1. All strong people are dancers. 2. X is strong. (+1, -0.33)

- a. Neither 1 nor 2 follows.
 - b. Either 1 or 2 follows.
 - c. Only conclusion 1 follows.
 - d. Only conclusion 2 follows.
-

43. The highest common factor (HCF) of 648, 54 and 135 is: (+1, -0.33)

- a. 1
- b. 3
- c. 9
- d. 27

44. Which Venn diagram correctly represents the relationship among the following objects? A) Car B) Ocean C) Man (+1, -0.33)



45. A person cycles at a speed of 12 km/h and walks at a speed of 5 km/h. He takes 15 hours to cover a distance of 124 km. For how many hours did he cycle? (+1, -0.33)

- a. 8
- b. 9

c. 7

d. 6

46. Name the first city in India to use a robot to control traffic. (+1, -0.33)

a. Kochi

b. Jaipur

c. Varanasi

d. Indore

47. $16 \div 2 \times (25 - 50 \div 5) \div 3 = ?$ (+1, -0.33)

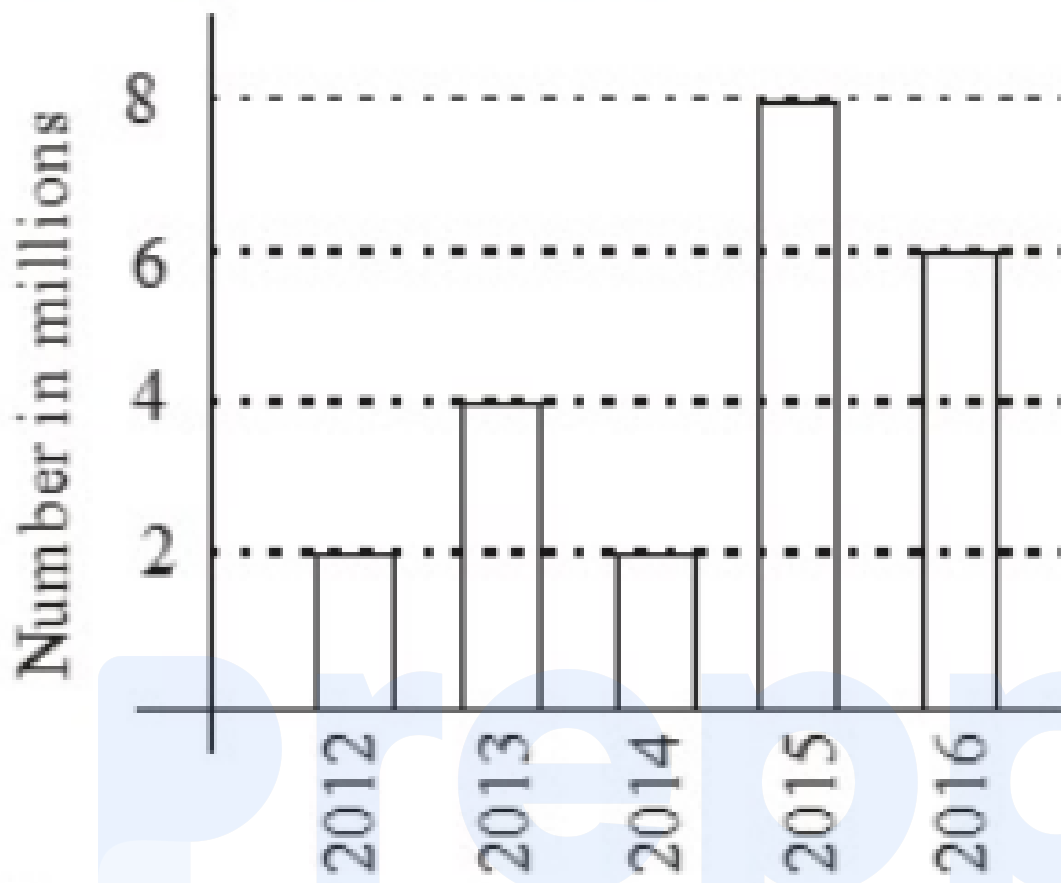
a. 1.6

b. 8

c. 40

d. 48

48. The given data shows information about the number of engines produced for company ABC's vehicles. (+1, -0.33)



How many engines were produced for ABC in 2014?

- a. 4 million
- b. 6 million
- c. 8 million
- d. 2 million

49. Senior IAS officer S. Selvakumar has been appointed as the new Chairman and Managing Director of _____ with effect from January 16, 2018. (+1, -0.33)

- a. Vikram Sarabhai Space Centre (VSSC)
 - b. SHAR Centre
 - c. Security Printing and Minting Corporation of India Limited (SPMCIL)
 - d. Development and Educational Communication Unit (DECU)
-

50. How many medals did India win in the Jordan Junior and Cadet Open Table Tennis (TT) tournament in the year 2017 to finish as the second-best finisher? (+1, -0.33)

- a. 24
 - b. 15
 - c. 23
 - d. 20
-

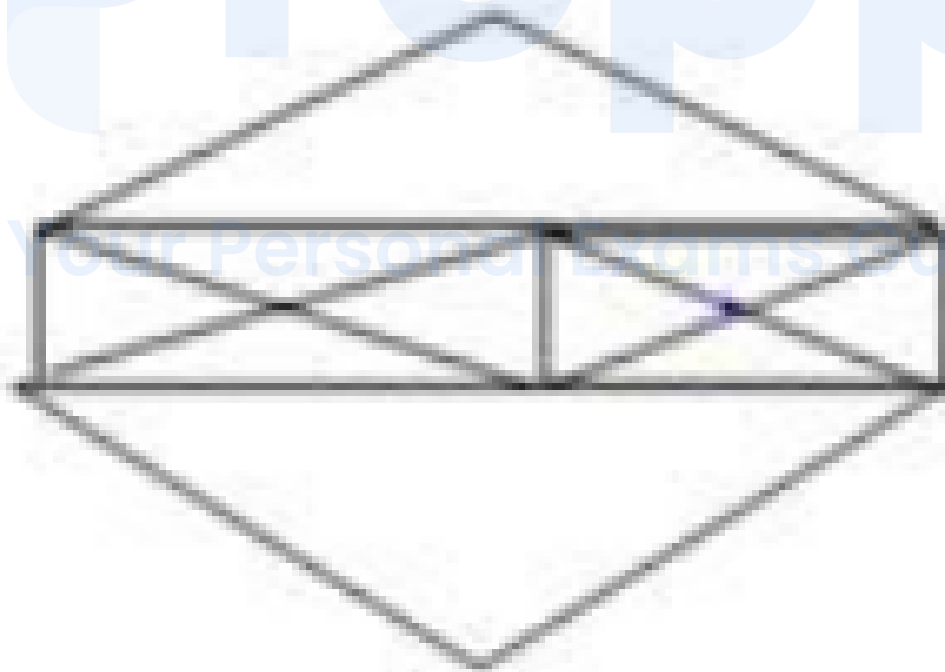
51. Study the question given below followed by two statements. Question: Neeta has balls of two colors, red and blue. Can we find out how many red colored balls she has? Statements: 1. She has 6 balls 2. One-third of the balls are blue Which statement is sufficient to answer the question? (+1, -0.33)

- a. Statements 1 and 2 together are not sufficient
 - b. Statements 1 and 2 together are sufficient
 - c. Statement 1 alone is sufficient
 - d. Statement 2 alone is sufficient
-

52. Paresh deposited ₹ 675 in a bank that promised to give him 8.4% simple interest per annum. If Paresh kept the money in the bank for 5 years, how much interest would he receive? (+1, -0.33)

- a. ₹ 283.50
- b. ₹ 285.50
- c. ₹ 287.50
- d. ₹ 280.50

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



- a. 16
- b. 18

c. 14

d. 17

54. A painting style 'Cheriyal', which was recently in the news, belongs to which Indian state? (+1, -0.33)

a. Andhra Pradesh

b. Madhya Pradesh

c. Telangana

d. Karnataka

55. What will be the value of the smaller angle formed between the hour hand and minute hand of a clock at 2:37 p.m.? (+1, -0.33)

a. 143.5°

b. 157.5°

c. 157°

d. 156°

56. Who took oath as the Governor of Assam in October 2017? (+1, -0.33)

a. Satya Pal Malik

b. P. Sathasivam

c. K. Sankaranarayanan

d. Jagdish Mukhi

57. Energy is obtained during respiration by _____. (+1, -0.33)

- a. Burning of glucose
 - b. Burning of oxygen
 - c. Burning of hydrogen
 - d. Burning of lead
-

58. What is the square root of 8281? (+1, -0.33)

- a. 91
 - b. 89
 - c. 81
 - d. 99
-

59. The energy possessed by a moving object is called _____. (+1, -0.33)

- a. Kinetic energy
 - b. Thermal energy
 - c. Potential energy
 - d. Light energy
-

60. The given Venn diagram represents sports preferences of a group of 77 college students. The three sports are A, B and C. Based on the diagram, how many students like to play all three sports? (+1, -0.33)



- a. 5
- b. 44
- c. 17
- d. 12
-
61. During photosynthesis, plants use _____ energy. (+1, -0.33)

- a. Thermal
- b. Kinetic
- c. Potential
- d. Solar energy

62. Who among the following was honored with the Crystal Award at the World Economic Forum Annual Meeting, WEF held in Davos on 22 January 2018? (+1, -0.33)

- a. Shah Rukh Khan
- b. Narendra Modi
- c. Raghuram Rajan
- d. Sundar Pichai

63. Select the term that will come next in the following series: 21C, 24F, 27I, (+1, -0.33)

-
- a. 31L
 - b. 31N
 - c. 30L
 - d. 30N

64. The angle of depression of the base of a building from the top of a $62\sqrt{3}$ m high tower is 60° . At what distance is the building from the tower? (+1, -0.33)

a. $62\sqrt{3}$ m

b. 31 m

c. 62 m

d. $31\sqrt{3}$ m

65. _____ is the most ductile metal. (+1, -0.33)

a. Silver

b. Gold

c. Tungsten

d. Iron

66. Select the figure that will come next in the following series: (+1, -0.33)

Your Personal Exams Guide

$\frac{1}{\pm} \square *$	$* \setminus \pm \square$	$\square * / \pm$	?
---------------------------	---------------------------	-------------------	---

A	B	C	D
$\square * / \pm$	$\square ** \setminus$	$\square \setminus * \pm$	$\pm \square * \setminus$

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

Your Personal Exams Guide

67. Which of the following plant seeds has two cotyledons?

(+1, -0.33)

- a. Deodar
- b. Water spinach (Kalmi)
- c. Ulva

d. Pine

68. The modern periodic table has: (+1, -0.33)

- a. 7 periods and 18 groups
 - b. 7 periods and 17 groups
 - c. 7 periods and 8 groups
 - d. 7 periods and 16 groups
-

69. Which ancient Indian philosopher propounded the theory of divisibility of matter to explain the nature of atoms? (+1, -0.33)

- a. Democritus
 - b. Dalton
 - c. Lavoisier
 - d. Kanada
-

70. What is the number of electrons or protons present in an atom called? (+1, -0.33)

- a. Atomic number
 - b. Isotope
 - c. Atomic weight
 - d. Mass number
-

71. The SI unit of pressure is:

(+1, -0.33)

- a. Pascal
- b. Watt
- c. Joule
- d. Newton

72. Which of the following numbers is rational?

(+1, -0.33)

- a. $\sqrt[7]{128}$
- b. $\sqrt[3]{128}$
- c. $\sqrt[5]{128}$
- d. $\sqrt[4]{128}$

73. What will be the lateral mirror image of MAT?

(+1, -0.33)

MAT	TAM	WVI	MAI
A	B	C	D

- a. B

b. D

c. A

d. C

74. If $123 \times 456 = 56088$, then $0.123 \times 0.0456 = ?$ (+1, -0.33)

a. 5.6088

b. 560.88

c. 0.0056088

d. 0.056088

75. Who won the BCCI Lifetime Achievement Award at the BCCI Annual Awards for Women held in Bengaluru in March 2017? (+1, -0.33)

a. Diana Edulji

b. Shantha Rangaswamy

c. Shubhangi Kulkarni

d. Purnima Rau

76. Pipe A takes $\frac{2}{5}$ of the time taken by Pipe B to fill a cistern. Pipe C takes thrice the time taken by Pipe A to fill the same cistern. If all three pipes are opened together, they can fill the completely empty cistern in 15 hours. If Pipe B is not turned on, how many hours will it take to fill the empty cistern? (+1, -0.33)

- a. 19.5
- b. 19
- c. 18.5
- d. 20

77. If the equation $2x^2 + kx + 1.25k = 0$ has repeated roots, then the value of k will be: (+1, -0.33)

- a. $0 < k < 10$
- b. $k = 10$ or $k = 0$
- c. $k = 10$
- d. $k < 0$ or $k > 10$

78. Which of the following parties won the maximum number of seats in the Punjab Assembly Elections 2017? (+1, -0.33)

- a. Aam Aadmi Party
- b. Shiromani Akali Dal
- c. Bharatiya Janata Party
- d. Indian National Congress

79. Which of the following figures are combined to form the given figure? (+1, -0.33)



A	B	C	D

- a. A, B and D
- b. Only B
- c. Only A and C
- d. Only A and D

80. Pranjal bought a toy for ₹ 185 and sold it at an 18% profit. The selling price of the toy was: (+1, -0.33)

- a. ₹ 218.90
- b. ₹ 215.30
- c. ₹ 218.30
- d. ₹ 212.30

81. Person A can complete a work in 2.5 days while B takes 7.5 days to complete the same work. They started working together, but $5\frac{1}{2}$ days before the completion of the work, A had to leave. For how many days did A work? (+1, -0.33)

- a. 2
- b. 1
- c. 0.5
- d. 1.5

82. Theatre Olympics, an international festival, was an initiative by renowned Greek director ----- (+1, -0.33)

- a. Alexis Damianos
- b. Theo Angelopoulos
- c. Constantine Giannaris
- d. Theodoros Terzopoulos

83. In a certain code, TAM is written as RYK. How will HIS be written in that code? (+1, -0.33)

- a. FGH
- b. FGT
- c. FGR
- d. FGQ

84. Sugarcane crops are examples of _____ type of crops. (+1, -0.33)

- a. Jhum
- b. Ratoon (Pedi)
- c. Mixed
- d. Subsistence

85. $48 \div 4 \times (20 - 25 \div 5) \div 3 = ?$ (+1, -0.33)

- a. 60
- b. 8
- c. $\frac{1}{3}$
- d. 2.4

86. An electron has an electric charge of _____. (+1, -0.33)

- a. $1.6 \times 10^{-19} \text{ C}$
- b. $1.6 \times 10^{19} \text{ C}$
- c. $1.6 \times 10^{-91} \text{ C}$
- d. $1.6 \times 10^{18} \text{ C}$

87. Which of the following is the correct hierarchy of plant classification? (+1, -0.33)

- a. Division, Class, Family, Genus, Order, Species

- b. Division, Order, Family, Class, Genus, Species
- c. Division, Class, Family, Order, Genus, Species
- d. Division, Class, Order, Family, Genus, Species

88. Near which city is the famous Pinjore Garden located? (+1, -0.33)

- a. Bangalore
- b. Delhi
- c. Srinagar
- d. Chandigarh

89. Which of the following patterns looks identical to the given figure? (+1, -0.33)



A	B	C	D

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

90. English traveler William Hawkins visited India during the reign of ----- (+1, -0.33)

- a. Chandragupta
- b. Bahadur Shah
- c. Jahangir
- d. Ashoka

91. The ratios of water and syrup in two mixtures are 5:2 and 7:4 respectively. They are mixed together in the ratio 3:2. Find the ratio of water and syrup in the combined mixture. (+1, -0.33)

- a. 10:7
- b. 221:164
- c. 10:3
- d. 263:122

92. If $\cot \alpha = \sqrt{3} + \sqrt{2}$, then what will be the value of $\tan \alpha - \cot \alpha$? (+1, -0.33)

- a. $\sqrt{3} - \sqrt{2}$

- b. $2\sqrt{2}$
- c. -2
- d. $-2\sqrt{2}$

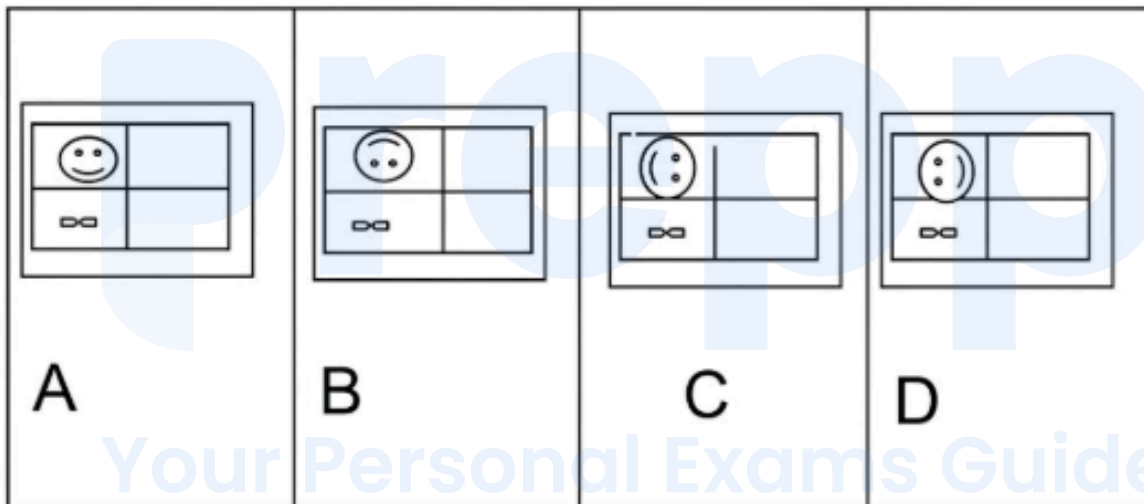
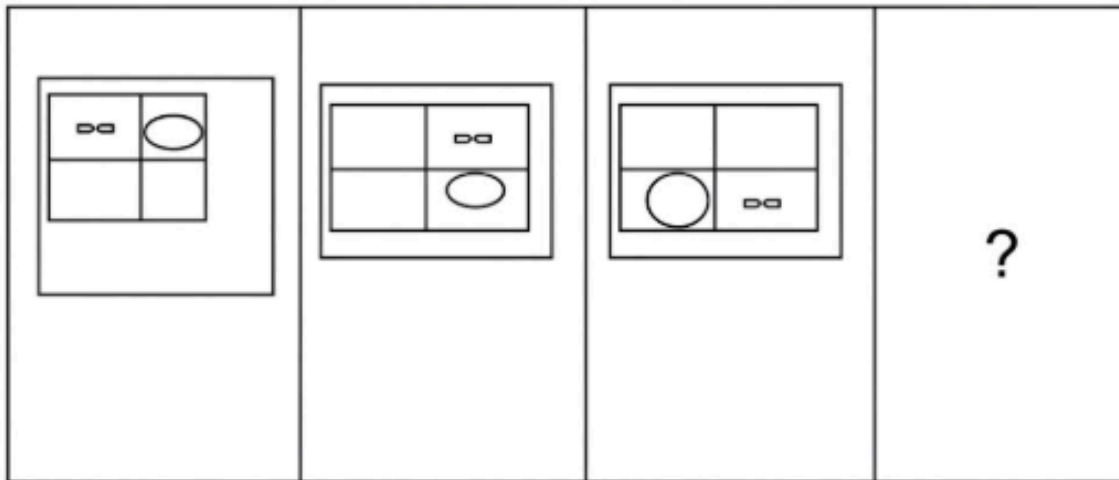
93. Venu is a street vendor and sells samosas 7 days a week. Every day he sets aside 5% of his income for donation. On average, he earns ₹ 2,000 every day. Approximately how much money does he set aside for donation every 15 days? (+1, -0.33)

- a. ₹ 6,000
- b. ₹ 1,200
- c. ₹ 1,500
- d. ₹ 3,000

94. X points to a photograph and says to his friend Y, "He is the husband of my wife's daughter." What is the relationship of X to the person seen in the photograph? (+1, -0.33)

- a. Father
- b. Father-in-law
- c. Uncle
- d. Son-in-law

95. Select the figure that will come next in the following series: (+1, -0.33)



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

96. Read the following question and decide which statements are sufficient to answer the question. Question: Tina, Manu, Neetu and Priya are (+1, -0.33)

standing in a row. If they are standing in order from tallest to shortest, who is standing in the last position? Statements: 1. Neetu is the tallest. 2. Tina is taller than Priya. 3. Manu is taller than Tina.

- a. Statements 1 and 3 are sufficient.
- b. Statements 1, 2 and 3 together are not sufficient.
- c. Statements 1, 2 and 3 together are sufficient.
- d. Statements 2 and 3 are sufficient.

-
97. Assume the following statements to be true and decide which of the conclusions follow from the statements. Statements: 1. All leaves are trees. 2. All rice are trees. 3. Some wheat are rice. Conclusions: 1. Some leaves are rice. 2. Some trees are leaves. 3. Some trees are wheat. (+1, -0.33)
- a. Only conclusions 2 and 3 follow.
 - b. Only conclusions 1 and 3 follow.
 - c. Only conclusion 1 follows.
 - d. Only conclusions 1 and 2 follow.

-
98. Which of the arguments is strong with respect to the following statement? Statement: Schools should admit only children who are 5 years of age. Arguments: I. Yes, playgroup is not necessary. II. No, in big cities where there is not enough space for children to play, children get to meet a group of children of the same age. (+1, -0.33)
- a. Only argument II is strong.
 - b. Both arguments I and II are strong.

- c. Neither argument I nor argument II is strong.
 - d. Only argument I is strong.
-

99. Select the letter that will come next in the following series: N, A, M, B, L, C, (+1, -0.33)

- a. Q
 - b. S
 - c. U
 - d. K
-

100. Who from West Bengal was awarded the Padma Shri award 2018 in the field of Social Work? (+1, -0.33)

- a. Shri Sudhanshu Biswas
- b. Jose Ma Joy
- c. Yeshi Dhonden
- d. Subadhani Devi