



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 (19-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 the question below, a statement is followed by two assumptions numbered I and II. Decide which of the assumptions is implicit in the statement. (+1, -0.33)

Statement: Read the instructions before entering the swimming pool.

Assumptions:

- I. People using the swimming pool are literate.
- II. People using the swimming pool are not blind.

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

2. From where did Union Human Resource Development Minister Prakash Javadekar launch the 'Swasth Bachche, Swasth Bharat' programme? (+1, -0.33)

- a. Hyderabad
- b. Kochi
- c. Thiruvananthapuram
- d. Mysore

3. A contractor undertook a project for 6 months, for which he employed 120 men. Due to an emergency, he was asked to finish the work in 4 months. (+1, -0.33)

How many more men should he employ?

- a. 40 men
- b. 60 men
- c. 70 men
- d. 50 men

4. Which conclusions can be verified using the statements given below? (+1, -0.33)

Statements:

- Some walls of compounds are white.
- Some houses have walls in the compound.

Conclusions:

1. The compound walls of some houses are white.
2. The compound walls of all houses are white.

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

5. $76 \div [53 - \{29 - (15 - 75 \div 15 \times 4)\}] = ?$ (+1, -0.33)

- a. -1
- b. -19

c. 19

d. 4

6. Nishant walks 2 km towards the west. At a crossroad, he turned left and reached a grocery store. In which direction is the grocery store from Nishant's starting position? (+1, -0.33)

a. North-East

b. North-West

c. South-East

d. South-West

7. Poorva invested ₹ 8,000 for 7 months in an enterprise and Durva invested ₹ 7,000 for 8 months. What will be the ratio of profit received by them? (+1, -0.33)

a. 1 : 1

b. 64 : 49

c. 8 : 7

d. 7 : 8

8. Akshay Kumar received the Best Actor award at the 64th National Film Awards 2016 for his performance in the film _____. (+1, -0.33)

a. Airlift

b. Rustom

c. Naam Shabana

d. Baby

9. If 25 January 2018 is Thursday, what day will 25 June 2019 fall on? (+1, -0.33)

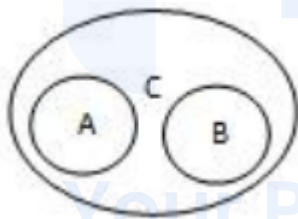
a. Tuesday

b. Monday

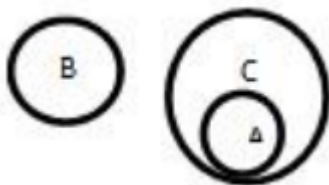
c. Sunday

d. Wednesday

10. Which of the following correctly represents the relationship between: A) Liver B) Heart C) Organs (+1, -0.33)



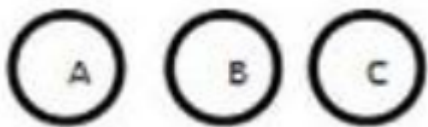
a.



b.



c.



d.

11. Which of the following GECs broadcasts 'Comedy Nights Live'? (+1, -0.33)

- a. Comedy Central
- b. Sony TV
- c. Star TV
- d. Colors

12. If three resistors $10\ \Omega$, $8\ \Omega$, and $7\ \Omega$ are connected in series, then the effective resistance in the circuit is _____. (+1, -0.33)

- a. 25 Pa
- b. $25\ \Omega$
- c. 25 J
- d. 25 N

13. Starting with the inlet pipe, an inlet pipe and an outlet pipe take turns one hour each to fill and empty an empty cistern. The inlet pipe takes 11.25 hours to fill the empty cistern and the outlet pipe can empty the full cistern in 22.5 hours. How long will it take to completely fill the cistern? (+1, -0.33)

- a. 45 hours
- b. 43 hours 50 minutes

- c. 42 hours 45 minutes
 - d. 44 hours
-

14. What will be the next term in the following series? (+1, -0.33)

12B, 2P, 14C, 4O, 16D, _ _ _ _

- a. 18E
 - b. 6E
 - c. 6N
 - d. 6Q
-

15. Which of the following arguments is strong with respect to the given statement? (+1, -0.33)

Statement: Should citizens be educated about health problems caused by the consumption of carbonated beverages through national television?

Arguments: I. Yes, they pose more risk to health. II. No, they are very popular and their trade is very extensive.

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

16. The S.I unit of momentum is: (+1, -0.33)

- a. Kg-m/s
- b. g-m/s
- c. Kg-cm/s
- d. Kg-m/s²

17. The Highest Common Factor (HCF) of 175, 63 and 147 is: (+1, -0.33)

- a. 21
- b. 7
- c. 63
- d. 14

18. The Asian Games Federation (AGF) adopted _____ as the motto of the Games which was given by Pandit Jawaharlal Nehru. (+1, -0.33)

- a. Ever Onward
- b. Sports Ever
- c. Sporting Together
- d. Keep up the Spirits

19. In human beings, the fertilised egg gets implanted in the lining of: (+1, -0.33)

- a. Uterus
- b. Vagina
- c. Ovary
- d. Cervix

20. If E and F are the mid-points of the two non-parallel sides AD and BC of the trapezium ABCD, in which $AB \parallel CD$, then find $EF = ?$ (+1, -0.33)

a. $\frac{\sqrt{3}}{2}(AB + CD)$

b. $\sqrt{3}(AB + CD)$

c. $\frac{2}{3}(AB - CD)$

d. $\frac{1}{2}(AB + CD)$

21. When elements are arranged in the order of increasing atomic masses, the properties of the first element is similar to those of the eighth element like with musical notes' — this law is known as: (+1, -0.33)

- a. Newlands law of octaves
- b. Mendeleev's law
- c. Dobereiner's law of triads

d. Moseley periodic law

22. A seller sold 2-meter fabrics of three different colours to 89 customers. 20 customers bought only red and yellow colours. 10 customers bought only yellow and maroon colour fabrics. 15 customers bought only red and maroon colour fabrics. 19 customers bought fabrics of all three colours. How many people bought a 2-meter cloth of only one colour? (+1, -0.33)

a. 35

b. 45

c. 25

d. 30

23. 75 students were interviewed. 39 took Mathematics, 32 took Biology, while 12 took none of these subjects. How many students took both Mathematics and Biology? (+1, -0.33)

a. 9

b. 8

c. 6

d. 7

24. Who is the first Indian bowler to take five wickets in a T20 match in the history of Indian cricket? (+1, -0.33)

a. Ishant Sharma

b. R. Ashwin

- c. Ravindra Jadeja
- d. Yuzvendra Chahal

25. Variations arising during the process of reproduction can be _____. (+1, -0.33)

- a. Inherited
- b. Altered
- c. Reduced
- d. Modified

26. What will be the lateral mirror image of the word IMAGE? (+1, -0.33)

IMAGE	IMAGE	IMAGE	IMAGE
A	B	C	D

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

27. After covering a distance of 500 metres towards the east, Pavitra turns left and walks 700 metres. Then she turns left and walks 500 metres. How far is she now from her starting point? (+1, -0.33)

- a. 700 metres
- b. 200 metres
- c. 500 metres
- d. 1200 metres

28. If the mean of 3, 4, a, b, 10 is 6 and the median is 5, and $a < b$, then the values of a and b are respectively _____ and _____. (+1, -0.33)

- a. 7, 6
- b. 8, 5
- c. 6, 7
- d. 5, 8

29. If in a certain code language NEAT is written as 3409, then how will LEARN be written in that code language? (+1, -0.33)

- a. 14073
- b. 14083
- c. 14072
- d. 14084

30. The SI unit of acceleration is?

(+1, -0.33)

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

31. One number in the series given below differs from the sequence of the others. Identify that different number:

(+1, -0.33)

100300005, 2000400000, 300040006, 4000006000000008

- a. 2000400000
- b. 100300005
- c. 300040006
- d. 4000006000000008

32. The square root of 60025 is:

(+1, -0.33)

- a. 245
- b. 255
- c. 275
- d. 265

33. In a mixture of milk and water, $\frac{4}{5}$ part was milk. If 5 litres of water is added to this mixture of total 20 litres, what will be the percentage of milk in the new mixture? (+1, -0.33)

- a. 44
- b. 75
- c. 36
- d. 64

34. Pipe A can fill an empty cistern in 1.5 hours, while Pipe B can empty a filled cistern in 2.4 hours. When the cistern is empty, Pipe A is opened for one hour and then closed. Now Pipe B is opened for one hour to take water out of the cistern and then closed. The pipes are alternately opened and closed for one hour each until the cistern is full. How long will it take to completely fill the cistern? (+1, -0.33)

- a. 4.75 hours
- b. 6.375 hours
- c. 7 hours
- d. 8 hours

35. $74 - [85 \div \{49 - (41 - 3^5 \div (9 \times 3))\}] = ?$ (+1, -0.33)

- a. 59
- b. 49
- c. 69

d. 79

36. The First Carnatic War was fought when the French led by Duplex captured _____. (+1, -0.33)

- a. Hyderabad
- b. Madras
- c. Pondicherry
- d. Bombay

37. Consider the following question and statements and decide which of the statements are sufficient to answer the question: (+1, -0.33)

Manju has 10 cups filled with equal amount (weight in grams) of rice.
What is the total weight of 10 cups?

Statements: 1. Half of each cup weighs 200 grams. 2. The difference in weight between 4 cups and 2 cups is 800 grams.

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

38. Find the next number: (+1, -0.33)

34, 46, 58, 70, ____

- a. 82
- b. 80
- c. 81
- d. 78

39. The speed of a boat in still water is 12 km/h. The speed of the stream is 8 km/h. The boat is taken along the stream up to a certain distance and brought back to the starting point. What was the average speed of the boat during the entire journey? (+1, -0.33)

- a. 8 km/hr
- b. 6 km/hr
- c. 7 km/hr
- d. $\frac{20}{3}$ km/hr

40. Which of the below is not an industrial application of ultrasound waves? (+1, -0.33)

- a. Ultrasonic cleaning
- b. Ultrasonic removal of pesticides from a plant's body
- c. Drilling holes or making cuts of desired shape
- d. Ultrasonic detection of defects in metals

41. Which of the following acids give less H^+ ions when dissolved in water? (+1, -0.33)

- a. Sulphuric acid
- b. Acetic acid
- c. Hydrochloric acid
- d. Nitric acid

42. In which year was the Sports Authority of India (SAI) established by the Government of India? (+1, -0.33)

- a. 1990
- b. 1984
- c. 1987
- d. 1983

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

Skin : Hair :: Land : ?

- a. Grass
- b. Ore
- c. Mineral
- d. Dust

44. What is the maximum number of electrons that can be accommodated in the L shell? (+1, -0.33)

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

45. Which of the following fractions when subtracted from $\frac{3}{4}$ gives the result $\frac{5}{12}$? (+1, -0.33)

- a. $\frac{2}{3}$
- b. $\frac{1}{6}$
- c. $\frac{2}{8}$
- d. $\frac{1}{3}$

46. _____ was the first ruler of the Khalji dynasty. (+1, -0.33)

- a. Balban
- b. Jalal-ud-din Firoz Khalji

- c. Malik Kafur
- d. Ala-ud-din Khalji

47. Long hair like parts in the cells of the roots are called: (+1, -0.33)

- a. Root nails
- b. Root villi
- c. Root tracheids
- d. Root hair

48. Identify the odd one out from the figures given below: (+1, -0.33)

E	I	A	K	O
A	B	C	D	E

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

49. _____ is a Sahitya Akademi Award winner and Padma Bhushan recipient. He wrote famous works like 'The Room on the Roof' and 'Vagrants in the Valley' focusing on a character named 'Rusty'. (+1, -0.33)

- a. Aniruddha Bahal

- b. Ruskin Bond
 - c. Salman Rushdie
 - d. Chetan Bhagat
-

50. February 20 is celebrated as _____. (+1, -0.33)

- a. World Day of Social Justice
 - b. Central Excise Day
 - c. World Heritage Day
 - d. World Water Day
-

51. What is formed when iron burns in the presence of air? (+1, -0.33)

- a. Fe_3O_2
 - b. Fe_2O
 - c. FeO_3
 - d. Fe_2O_3
-

52. Which amongst the following Fundamental Rights CANNOT be suspended during an emergency? (+1, -0.33)

- a. Right of Movement
 - b. Right to Equality
 - c. Right to Life
 - d. Right to Freedom of Speech and Expression
-

53. The square root of 4624 is: (+1, -0.33)

- a. 62
 - b. 68
 - c. 78
 - d. 72
-

54. A force of 350 N acts on a body of mass 500kg. So the acceleration of the body is _____. (+1, -0.33)

- a. 0.7 ms^2
 - b. 0.7 ms^1
 - c. 0.7 ms^{-1}
 - d. 0.7 ms^{-2}
-

55. _____ is the foreign agency that has signed a \$1 billion partnership agreement with the National Investment Infrastructure Fund (NIIF). (+1, -0.33)

- a. Israel Investment Authority (IIA)
- b. Republic of France Investment Authority (RFIA)
- c. The Abu Dhabi Investment Authority (ADIA)
- d. Dubai Investment Authority (DIA)

56. Identify the odd one: (+1, -0.33)

A	B	C	D
18R	2B	5E	16P

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

57. When silver chloride is placed in sunlight, it turns brown/grey due to the formation of which substance? (+1, -0.33)

- a. Silver ion
- b. Silver metal
- c. Silver oxalate
- d. Silver oxide

58. Who was the Chief Economic Advisor of India till June 2018? (+1, -0.33)

- a. Arvind Subramanian
- b. Manmohan Singh
- c. Urjit Patel
- d. C. Rangarajan

59. If $\tan \theta = \frac{5}{6}$, then what will be the value of $\frac{12 \sin \theta - 5 \cos \theta}{12 \sin \theta + 5 \cos \theta}$? (+1, -0.33)

- a. $\frac{1}{3}$
- b. $\frac{1}{4}$
- c. $\frac{2}{3}$
- d. $\frac{3}{4}$

60. What will be the next figure in the given series? (+1, -0.33)

©	○©	®	?
A	B	C	D
○	○®	©	®○

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

61. Consider the statement and conclusions given below and decide which conclusion follows the statement. (+1, -0.33)

Statement: For the group performance, a music teacher selects only a few boys and girls from the class.

Conclusions: I. Those who are not selected do not sing. II. The teacher supports only those students whom he selected.

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

62. If $17 \times 29 = 493$, then $1700 \times 0.0029 = ?$ (+1, -0.33)

- a. 0.493
- b. 4.93
- c. 49.3
- d. 0.0493

63. For a virtual and erect image, the magnification of the mirror is: (+1, -0.33)

- a. Positive
- b. Negative
- c. Zero
- d. Infinite

64. In India, places such as Cherrapunji, Visakhapatnam, Kolkata etc. have high level of moisture (water vapour) content in the air. The atmosphere at such places is said to be: (+1, -0.33)

- a. Rancid
- b. Hot
- c. Humid
- d. Cool

65. If α and β are the roots of the equation $x^2 - 2x - 1 = 0$, then which is the equation whose roots are α^2 and β^2 ? (+1, -0.33)

- a. $x^2 + 6x - 1 = 0$
- b. $x^2 - 6x + 1 = 0$
- c. $x^2 + 6x + 1 = 0$

d. $x^2 - 6 + 1 = 0$

66. Select the next figure in the following series from the option figures: (+1, -0.33)

◀	▲	*▶	?
A	B	C	D
▲*	*▼	*◀	▼*

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

67. The work done by the force is positive when: (+1, -0.33)

- a. the displacement is perpendicular to the force
- b. the displacement is in the opposite direction of force
- c. the applied force does not produce any displacement
- d. the displacement is in the direction of force

68. Nuclear fusion reactions occur spontaneously in: (+1, -0.33)

- a. Earth's core

- b. Nuclear reactor
 - c. Ocean waves
 - d. Sun
-

69. If MINE is written as PLQH, then how will you write 'TOM'? (+1, -0.33)

- a. WOR
 - b. WRP
 - c. WRO
 - d. WPR
-

70. Magnesium has atomic number as 12. Find out its valency. (+1, -0.33)

- a. +3
 - b. +2
 - c. -2
 - d. -3
-

71. Leena is following a diet Plan (Monday to Saturday) where she takes sprouts on Mondays and two other non-consecutive days. What is the day in which she would never take sprouts? (+1, -0.33)

- a. Thursday
- b. Tuesday

- c. Wednesday
 - d. Friday
-

72. Animals of class _____ respire through gills or lungs. (+1, -0.33)

- a. Pisces
 - b. Amphibia
 - c. Aves
 - d. Reptilia
-

73. Which country topped the World Economic Forum's Inclusive Development Index-2018? (+1, -0.33)

- a. Norway
 - b. India
 - c. Sweden
 - d. France
-

74. Kavita and Nikita are friends and they went to a market together. Kavita meets her classmate and introduces her classmate to Nikita as the daughter of the sister of her brother's father. What is Kavita's relationship to her classmate? (+1, -0.33)

- a. Friend
- b. Niece

- c. Cousin brother/sister
- d. Nephew

75. Considering the statement given below, decide which of the given assumptions is implicit in the statement. (+1, -0.33)

Statement: The headline of a column in the newspaper reads "We all are victims of our thoughts."

Assumptions: I. Our actions are based on our thoughts. II. The newspaper is the best source of information.

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

76. Triangle ABC is similar to triangle PQR. If AB = 5 cm and PQ = 3 cm, then state the value of $\frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)}$. (+1, -0.33)

- a. $\frac{5}{3}$
- b. $\frac{25}{9}$
- c. $\frac{3}{5}$

d. $\frac{9}{25}$

77. In negative acceleration, the velocity of the body: (+1, -0.33)

- a. decreases
- b. increases
- c. becomes zero
- d. remains constant

78. Find the length of one side of a rhombus whose area is 6 cm^2 and the sum of the lengths of its diagonals is 7 cm. (+1, -0.33)

- a. 3 cm
- b. 2.5 cm
- c. 1.5 cm
- d. 2 cm

79. Which of the following does not belong to the group? (+1, -0.33)

A. Spoon B. Fork C. Ladle D. Spanner

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

d. D

80. In which of the following cases is no work done? (+1, -0.33)

- a. A coolie carries a load from a bus to a car.
- b. Kapil stands with a load of 10 kg on his shoulder.
- c. Arun plays cricket on the field.
- d. Sachin walks 4 km.

81. Who among the following is one of the co-founders of 'Banyan Nation', India's first firm to win the 'Dell People's Choice Award for Circular Economy' at Davos in the World Economic Forum (WEF)? (+1, -0.33)

- a. Dilip Shanoi
- b. Priyanka Bakaya
- c. Mani Vajpeyi
- d. Pranita Saxena

82. The question given below is followed by two statements 1 and 2. Consider the statements and decide which statement(s) is/are sufficient to answer the question. (+1, -0.33)

What will be the total present age of Anita and Nandu?

Statements: 1. Nandu's present age is 5 years. 2. Anita is elder to Nandu.

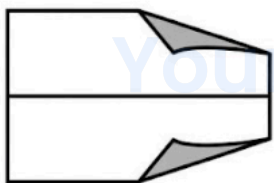
- a. Only statement 2 is sufficient.

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

83. A sum of money amounts to ₹ 385 in 5 years at 8% simple annual interest rate. What was the principal amount? (+1, -0.33)

- a. ₹ 240
- b. ₹ 260
- c. ₹ 250
- d. ₹ 275

84. Which of the option figures is similar to the given figure? (+1, -0.33)



विकल्प चित्र:

A	B	C	D

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

85. India is divided into _____ physiological regions. (+1, -0.33)

- a. 6
 - b. 5
 - c. 7
 - d. 4
-

86. In February 2018, by how many years did the Ministry of Home Affairs (MHA) extend the anti-narcotics scheme to combat illegal trafficking of narcotic drugs and psychotropic substances? (+1, -0.33)

- a. 3
 - b. 2
 - c. 4
 - d. 5
-

87. Emory is 30 years younger than his father. Seven years from now, his father's age will be 2.5 times his age. What is Emory's present age (in years)? (+1, -0.33)

- a. 20
 - b. 13
 - c. 18
 - d. 16
-

88. Expiration is brought about by: (+1, -0.33)

- a. Breaking of rib cage
 - b. Inhalation of air
 - c. Deflation of lungs
 - d. Inflation of lungs
-

89. In which year was the State Bank of India nationalised? (+1, -0.33)

- a. 1955
 - b. 1965
 - c. 1935
 - d. 1945
-

90. Five people can build a wall in 24 days. In how many days can 8 other people, each of whom is half as efficient as the people of the first group, build $\frac{3}{5}$ part of the wall? (+1, -0.33)

- a. 25 days

- b. 20 days
- c. 24 days
- d. 18 days

91. Anita runs a fashion boutique. The heads of her expenditure are as follows: (+1, -0.33)
30% on purchase and 40% on payment to tailors and 30% on rent and electricity. If her total expenditure is ₹ 50,000 per month, how much money did she spend on paying the tailors?

- a. ₹ 20,000
- b. ₹ 21,000
- c. ₹ 19,000
- d. ₹ 18,000

92. Guru Shikhar, a peak in the Arbuda Mountains of _____, is the highest (+1, -0.33)
point of the Aravalli Range.

- a. Uttarakhand
- b. Himachal Pradesh
- c. Rajasthan
- d. Sikkim

93. What will be the next number in the following series? (+1, -0.33)

1, 9, 18, 28, _____

- a. 37
- b. 39
- c. 36
- d. 38

94. Kinetic energy of an object and its potential energy are together called as: (+1, -0.33)

- a. Muscular energy
- b. Mechanical energy
- c. Gravitational potential energy
- d. Chemical energy

95. The valency of nitrogen in ammonia is: (+1, -0.33)

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

96. As of February 2018, who was the Chairman of the University Grants Commission (UGC)? (+1, -0.33)

- a. Karan Singh

- b. D.P. Singh
- c. Ved Prakash
- d. Lalji Singh

97. If a person bought an article for ₹ 96 and sold it at a profit of 25%, what was the selling price of the article? (+1, -0.33)

- a. ₹ 115
- b. ₹ 120
- c. ₹ 114
- d. ₹ 125

98. Which of the options resembles the pattern shown below? (+1, -0.33)



A	B	C	D

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

99. _____ oxides react with acids as well as bases. (+1, -0.33)

- a. Basic
- b. Neutral
- c. Acidic
- d. Amphoteric

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

Statement: The school management announced to add one more section for each class.

Assumptions:

I. This year they are expecting a considerable number of more students to join the school.

II. They are thinking of reducing the number of existing students in each class by increasing the sections.

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

d. Only assumption II is implicit.

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