Prepp

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	UPTET
IBPS RRB	IBPS CLERK	IES	UPSC CAPF
SSC Stenogr..	RRB NTPC	SSC GD	RBI GRADE B
RBI Assistant	DSSSB		

RRB Group D 2018 Previous Year Paper (22-Sep-2018) (Shift 3)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	CBT	100	100	0.33	1

1.) A total of 90 minutes is allotted for the examination.

2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.

3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

CBT

1. Who is the recipient of the Prime Minister's Award for outstanding contribution to promotion and development of yoga in 2018?

    (+1, −0.33)

    a. Tirumalai Krishnamacharya

    b. K. Pattabhi Jois

    c. B. K. S. Iyengar

    d. Vishwas Mandlik

2. What is the maximum amount of work done in 10 s by a 20 kW engine?

    (+1, −0.33)

    a. 20 KJ

    b. 200 KJ

    c. 25 KJ

    d. 2 KJ

3. Arjun started a task and left it after working for 2 days. Then, Bharath was called and he completed the task in 9 days, If Arjun alone had worked for 3 days, Bharath alone would have finished the remaining work In 6 days. In how many days can Arjun alone complete the task?

    (+1, −0.33)

    a. 8 days

    b. 12 days

    c. 5 days

    d. 10 days

4. The mean of the 6 smallest numbers from a group is 15 while the mean of all the 14 members of the group taken together is 17. What is the mean of the 8 largest numbers?   (+1, -0.33)

   a. 18.25

   b. 17.25

   c. 18.75

   d. 18.50

5. The time duration that would elapse between 2:38 p.m. of 11 May 2023 and 2:29 p.m. of 13 May 2024 is: (+1, -0.33)

   a. 368 days 9 minutes

   b. 367 days 9 minutes

   c. 366 days 23 hours 51 minutes

   d. 367 days 23 hours 51 minutes

6. Consider the given statement to be true if it seems to be at variance with the commonly known facts and decide which of the conclusions logically follow(s) from the statement.   (+1, -0.33)

   Statement:

   The grass is always greener on the other side of the fence.

   Conclusions:

   I. Humans are never completely satisfied with where they are in life.

II. Humans see their own flaws more vividly and don't consider the possibility that they may have the greener side.

a. Only conclusion I follows.

b. Both conclusions I and II follows.

c. Only conclusion II follows.

d. Neither conclusion I nor II follows.

---

7. Who is the first Pakistani to score a double century in ODIs?   **(+1, -0.33)**

a. Sarfraz Ahamed

b. Saeed Anwar

c. Fakhar Zaman

d. Imam- Ul - Haq

---

8. Which of the following former or current Chief Ministers of India had earlier   **(+1, -0.33)**
served as Priest of a temple?

a. Yogi Adityanath

b. Vijay Rupani

c. Mayawati

d. Manohar Parrikar

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9. Pemba Island is famous for the cultivation of which of the following?   **(+1, -0.33)**
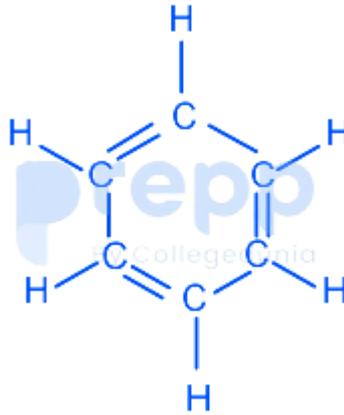
a. coffee

b. Rice

c. Wheat

d. Cloves

---

10. The enzyme _____, present in the pancreatic juice, converts proteins to amino acids. **(+1, -0.33)**

a. Pepsin

b. Lipase

c. Trypsin

d. Amylase

---

11. Gandhiji launched the Non-Cooperation Movement in a small village called Champaran. In which current Indian state is champaran located? **(+1, -0.33)**

a. Maharashtra

b. West Bengal

c. Gujarat

d. Bihar

---

12. What is the name of the compound shown in the below structure? **(+1, -0.33)**

a. Cyclohexane

b. Benzene

c. Cycloheptane

d. Naphthalene

---

13. What will be the acute angle between the hour hand and the minute hand at 6:25 p.m.?   (+1, −0.33)

a. 30°

b. 40.5°

c. 42.5°

d. 35.5°

---

14. The first three terms of a proportion are 3, 5, and 21, respectively. Find its fourth term.   (+1, −0.33)

a. 25

b. 30

c. 35

d. 20

---

15. Linen is related to cloth in the same way as Gold is related to: (+1, -0.33)

   a. Yellow

   b. Metal

   c. Jeweller

   d. Hard

---

16. The angle of depression of the foot of a building from the top of a tower   (+1, -0.33)
    32√3 m high is 60°. How far away from the building is the tower?

   a. 32 m

   b. 16 m

   c. 16√3 m

   d. 32√3 m

---

17. In ΔABC, D and E are points on AB and AC respectively such that DE is   (+1, -0.33)
    parallel to BC. If AD = 2 cm, BD = 3 cm, then $\frac{ar(\Delta ADE)}{ar(\Delta ABC)} is$:

   a. 4/9

   b. 16/81

   c. 4/25

d. 2/5

---

18. What will be the unit digit in 3^{31} ?   (+1, -0.33)

     a. 7

     b. 1

     c. 9

     d. 3

---

19. What is the least number added to 4042 to make it a perfect square?   (+1, -0.33)

     a. 64

     b. 41

     c. 58

     d. 54

---

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

Statement:

All brooms are plastic.

All plastics are handles.

Conclusions:

1. All brooms are handles.

2. No plastic is a broom.

a. All conclusions follow.

b. Only conclusion 2 follows.

c. Only conclusion 1 follows.

d. Neither 1 nor 2 follows.

---

21. The _ _ _ _ _ _ _ _ consists of relatively unspecialised cell with thin cell well.   (+1, −0.33)

a. phloem

b. sclerenchyma

c. parenchyma

d. collenchyma

---

22. Consider the given statement and decide which of the following assumptions is are implicit in the statement.   (+1, −0.33)

Statement:

The headmistress announced, "From now on, every Wednesday, a student from Class XI should come forward to recite poetry in the Assemble".

Assumptions;

I. The headmistress want children to develop interest in English.

II. The headmistress wants children to get rid of stage fear.

a. Only II is implicit

b. Both I and II are implicit.

c. Only I is implicit.

d. Neither I nor II is implicit

---

23. As per RBI Annual Report 2016-17, what is the estimated value of demonetised banknotes received?   (+1, -0.33)

   a. Rs. 19.48 lakh crore

   b. Rs. 12.25 lakh crore

   c. Rs. 13.35 lakh crore

   d. Rs. 15.28 lakh crore

---

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

   a. Shubhangi Kulkarni

   b. Diana Edulji

   c. Shanta Rangaswamy

   d. Purnima Rau

---

25. Choose the one that does NOT belong to the group.   (+1, -0.33)

   a. Cantaloupe

   b. Lily

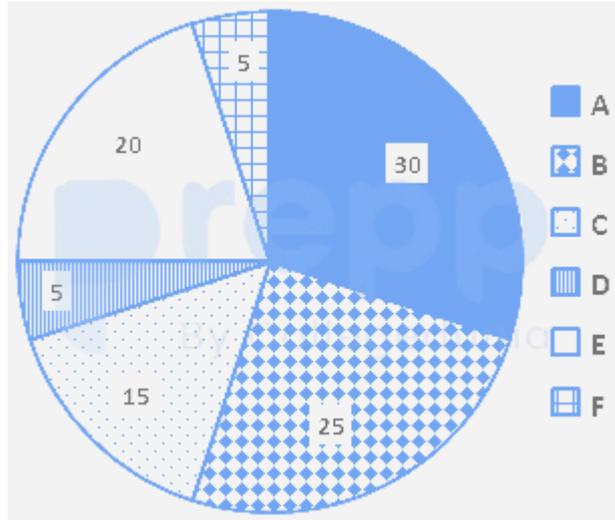c. Lotus

d. Jasmine

---

26. _ _ _ _ _ is not a sexually transmitted disease.   (+1, -0.33)

    a. Candidiasis

    b. Syphilis

    c. Gonorrhea

    d. Warts

---

27. If no force is applied to a moving object, then it will stop due to   (+1, -0.33)
    _ _ _ _ _ _ _ _ _.

    a. Tension

    b. Momentum

    c. Impulse

    d. Friction

---

28. The given pie chart shows information about Non-Performing Assest   (+1, -0.33)
    (NPA) processed by the various banks of India till December 2017.

If the total NPAs under all the banks are worth Rs. 300 lakh crores, then NPAs worth how much (in rs. Lakh crores) does Bank B contain till December 2017?

a. 50

b. 75

c. 25

d. 100

29. Find the smallest four-digit number that is divisible by 47.   (+1, -0.33)

a. 1200

b. 1025

c. 1360

d. 1034

30. When washing soda reacts with hydrochloric acid _ _ _ _ _ _ _ _ gas is evolved.   (+1, -0.33)

   a. Oxygen

   b. Carbon monoxide

   c. Carbon dioxide

   d. Hydrogen

31. Find the next term in the following series.   (+1, -0.33)

   4A, 7B, 12D, 19G,?
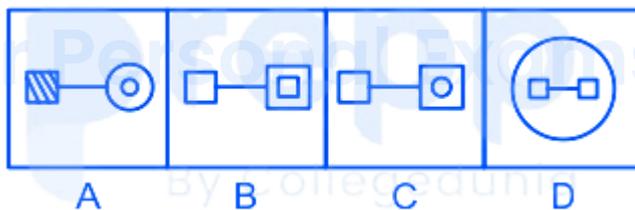
   a. 28K

   b. 28P

   c. 26U

   d. 27G

32. A square field of area 31684 sq. meters is to be enclosed with wire placed at heights 1, 2, 3, 4 meters above the ground. What length of the wire will be required, if the length required for each wire is 5% greater than the perimeter of the field?   (+1, -0.33)

   a. 2099 m

   b. 2309 m

   c. 2990.4 m

   d. 2090 m

33. If the speed of a cycle become two times, then the kinetic energy becomes _____.

(+1, -0.33)

    a. 2 times

    b. 4 times

    c. 8 times

    d. 16 times

34. Choose the mirror image for the following figure when the mirror is kept at the MN line.

(+1, -0.33)

    a. C

    b. A

    c. B

    d. D

35. Avogadro number is represented by _____.   (+1, -0.33)

   a. A_V

   b. AN

   c. N^0

   d. N_A

---

36. _____ is not an actinoid.   (+1, -0.33)

   a. Terbium

   b. Fermium

   c. Nobelium

   d. Thorium

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37. 'Kalamakari', a Painting form recently seen in the news belongs to which   (+1, -0.33)
    Indian state?

   a. Andhra Pradesh

   b. Tamil Nadu

   c. Maharashtra

   d. Rajasthan

---

38. If $x = \frac{\sqrt{3}+1}{2}$; then find the value of $4x^3 + 2x^2 - 8x + 7$.   (+1, -0.33)

a. 10

b. 4

c. 8

d. 6

---

39. An element has an atomic number of 20 with which of the following elements will it show similar chemical properties. **(+1, -0.33)**

    a. Be(4)

    b. Fe(26)

    c. Sc(21)

    d. B(5)

---

40. Name the company that has adopted the maintenance of Charminar in Hyderabad as part of the Swatch Bhart Mission. **(+1, -0.33)**

    a. Infosys

    b. NTPC

    c. ONGC

    d. L&T

---

41. _____ is the only non-metal present in Group 1 of the Modern Periodic Table. **(+1, -0.33)**

    a. Cobalt

   b. Rubidium

   c. Potassium

   d. Hydrogen

---

42. A body of mass 30 kg moves with an initial speed of 20 m/s. If a retarding   **(+1, -0.33)**
    force of 60 N is applied, how long will the body body take to stop?

   a. -10 s

   b. 10 s

   c. 9 s

   d. 0.10 s

---

43. What is the next term in the following series?   **(+1, -0.33)**

   3, 2, 13, 12, 23, 22, _ _ _ _ _ _ _.

   a. 33

   b. 32

   c. 21

   d. 29

---

44. Select the option figure that will complete the series of question figures.   **(+1, -0.33)**

   ©∞®✕ | ®©∞✕ | ∞®©✕ | ?

a. A

b. D

c. C

d. B

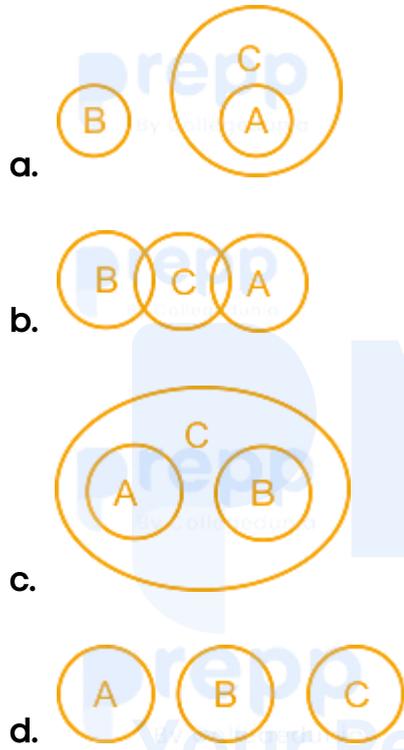45. Echoes are heard due to the phenomenon of _____.   (+1, -0.33)

a. Reflection of sound waves

b. Resonance

c. Interference of sound waves

d. Refraction of sound waves

---

46. A _____ is a unisexual flower.   (+1, -0.33)

a. Gulmohar

b. Hibiscus

c. Mustard

d. Papaya

---

47. Which of the following correctly represents the relationship between: **(+1, −0.33)**

A) Vegetation

B) Jupiter

C) Earth

a.

b.

c.

d.

48. Who has been awarded "Bharat Gaurav Award" 2017 in Science and Technology category? **(+1, −0.33)**

a. Arun K. Tripathi

b. Anil K. Tripathi

c. Arun K. Tiwari

d. Anil K. Tiwari

49. Read the given statements(s)and conclusions carefully and select which   (+1, −0.33)
of the conclusions logically follow(s) from the statements(s).

Statement:

Some pins are sharp.

All Sharp are metals.

Conclusions:

1. All metals are pins.

2. Some metals are sharp.

  a. No conclusion follow

  b. Only conclusion 2 follows.

  c. Only conclusion 1 follows.

  d. All the conclusions follow.

---

50. A molecule of Oxygen has _____.   (+1, −0.33)

  a. a double covalent bond

  b. an electrovalent bond

  c. a triple covalent bond

  d. a single covalent bond

---

51. If the sides of a square are increased by 30%, find the % increase in its   (+1, −0.33)
area.

    a. 79%

    b. 68%

    c. 69%

    d. 65%

---

52. When phenolphthalein is added to vinegar, the solution become   **(+1, -0.33)**
_____.

    a. blue

    b. red

    c. pink

    d. colourless

---

53. If an object moves with a velocity of 60 m/s, how long will it take to travel   **(+1, -0.33)**
480 m.

    a. 7 s

    b. 8 s

    c. 0.8 s

    d. 80 s

---

54. Two football teams, Team A and Team B, Played in a tournament and   **(+1, -0.33)**
scored the following number of goals over 4 matches. What is their
average score?

Games	Goals by Team A	Goals by Team B
Game 1	2	3
Game 2	1	2
Game 3	1	2
Game 4	4	5

a. Team A : 2, Team B : 4

b. Team A : 2, Team B : 3

c. Team A : 3, Team B : 2

d. Team A : 1, Team B : 3

55. Who among the following is the author of the book 'Indira Gandhi – A Life in Nature'?   (+1, -0.33)

a. Jairam Ramesh

b. Natwar Singh

c. Sonia Gandhi

d. Priyanka Vadra

56. Read the given question and decide which of the following statements is/are sufficient to answer the question.   (+1, −0.33)

What is the number of students in the class?

Statements:

1) The class contains 10th class students.

2) The class contains 6 girls and 8 boys.

a. Only 2 is sufficient.

b. Neither 1 nor 2 is sufficient.

c. Only 1 is sufficient.

d. Either 1 or 2 is sufficient.

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57. A 156.5 m long train, traveling at 57 km/hr, crosses a platform in 39 seconds. What is the length of the platform?   (+1, −0.33)
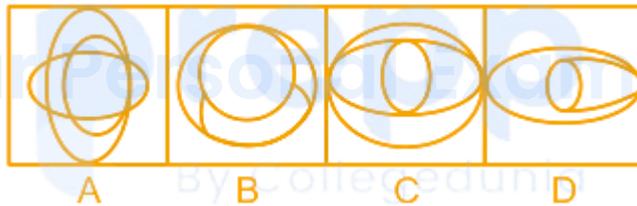
a. 613.5 m

b. 476 m

c. 586 m

d. 461 m

---

58. Find the odd one out.   (+1, −0.33)

a. D

b. C

c. B

d. A

59. Which of the option figures bears the closest resemblance to the question figure? (+1, -0.33)

a. C

b. A

c. D

d. B

60. John is facing in the west direction during the morning yoga. He turns 90° clockwise and then 270° anticlockwise. In which direction is he facing now?

(+1, -0.33)

   a. East

   b. North

   c. South

   d. west

61. Name the director of the blockbuster movie 'Bahubali'.

(+1, -0.33)

   a. Madhur Bhandarkar

   b. S. S. Rajamouli

   c. Prabhu Deva

   d. Karan Johar

62. The rate of change of momentum of a body is directly proportional to the _____.

(+1, -0.33)

   a. Applied potential energy

   b. Applied force

   c. Applied displacement

   d. applied pressure

63. Select the one that does not belong to the below group. **(+1, -0.33)**
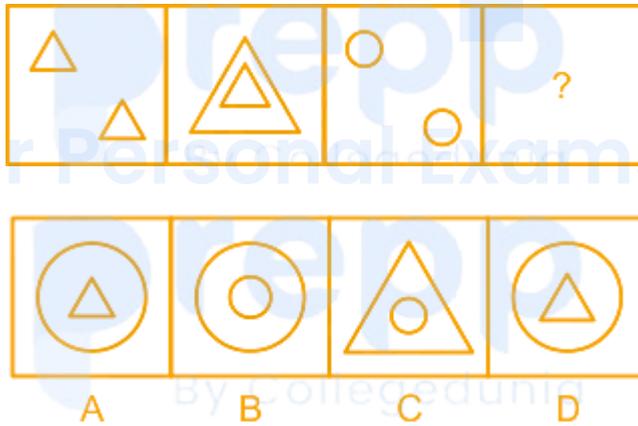
A. aluminium

B. Iron

C. Bakelite

D. Brass

a. D

b. A

c. B

d. C

---

64. Which answer figure will come next in the given problem figure series? **(+1, -0.33)**

a. D

b. B

c. A

d. C

65. The element of the Lanthanide series having the atomic number 58 is _____.   **(+1, -0.33)**

    a. Cerium

    b. Lanthanum

    c. Thorium

    d. Strontium

66. Which of the following factors does NOT affect the resistance of a conductor?   **(+1, -0.33)**

    a. Pressure

    b. Material

    c. Area of cross section

    d. Length

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

Statement:

All flowers are petals.
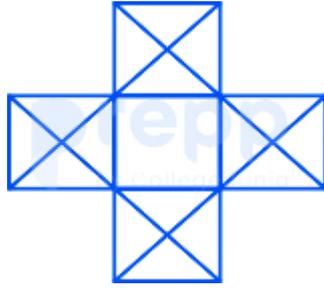
All petals are soft.

Conclusions:

1. All flowers are soft.

2. Some soft are petal.

   a. Only conclusion 2 follows

   b. Neither conclusion follows.

   c. Only conclusion 1 follows

   d. Both conclusions follow.

---

68. Satheesh reads a novel in 6 days. On each day, he reads it for $1\frac{3}{4}$ hours. How many hours does he take to complete the novel?   **(+1, -0.33)**

   a. $7\frac{1}{2}$ hours

   b. $10\frac{1}{2}$ hours

   c. $11\frac{1}{2}$ hours

   d. $9\frac{1}{2}$ hours

---

69. Which scheme has been launched by the union government for promoting solar farming?   **(+1, -0.33)**

   a. Krishin urja Suraksha evam Utthaan Mahaabhiyan

   b. Kisan Urja Suraksha evam Utthaan Mahaabhiyan

   c. Kisan Urja Suraksha evam Unnati Mahaabhiyan

   d. Kusum Urja Suraksha evam Utthaan Mahaabhiyan

---

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

a. 32

b. 40

c. 44

d. 42

---

71. Priyamvada's present age is five years more than twice the age of his cousin Ritika. Sixteen years from now Priyamvada's age will be 150% of that of Ritika's. What is Priyamvada's present age (in years)?   (+1, –0.33)

a. 23

b. 33

c. 17

d. 26

---

72. The interest on Rs. 1,250 for 15 years at the rate of 1.6% simple interest per annum will be: (+1, –0.33)

a. Rs. 350

b. Rs. 375

c. Rs. 360

d. Rs. 300

---

73. Find the next letter-pair in the following series.   **(+1, -0.33)**

BT, EQ, HN, ?

a. GC

b. KZ

c. KG

d. KK

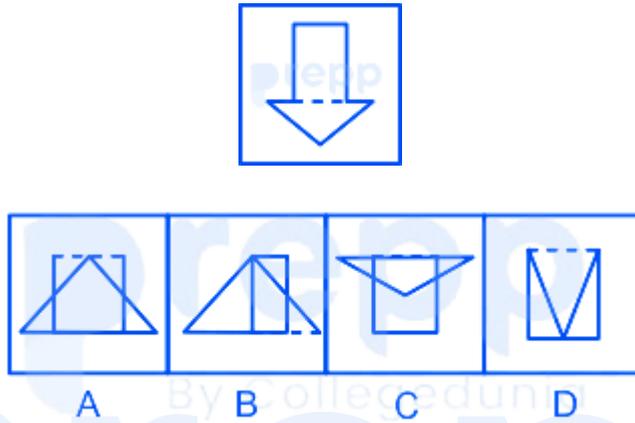74. With reference to retail payments and settlement systems, what is the full   **(+1, -0.33)**
form of NPCI?

a. National Payment Consortium of India

b. National Payments corporation of India

c. National Piracy Council of India

d. National Protection Council India

---

75. Two horses cover the same distance at the rate of 10 km/hr and 15 km/hr,   **(+1, -0.33)**
respectively. The distance traveled when one takes 12 minutes longer
than the other is:

a. 2 km

b. 4 km

c. 6 km

d. 8 km

---

76. Which pattern will the given transparent sheet resemble when it is folded at the dotted line?   (+1, -0.33)

a. C

b. D

c. B

d. A

---

77. In animal cells, _____ epithelium forms the inner lining of the kidney to provide mechanical support.   (+1, -0.33)

a. Glandular

b. Cuboidal

c. Columnar

d. Squamous

---

78. Where is the Kandaleru Dam located? (+1, -0.33)

a. Kerala

b. Tamil Nadu

c. Karnataka

d. Andhra Pradesh

---

79. If, in a certain code language, LET is coded as12520, then how will WIN be coded in the same language? (+1, -0.33)

a. 23915

b. 21914

c. 23914

d. 24915

---

80. Tejal has a 40% stake and Ashank has a 60% stake in a partnership firm. On average, if Tejal makes a Rs. 10,00,000 profit a year, how much does Ashank make? (+1, -0.33)

a. Rs. 24 lakh

b. Rs. 15 lakh

c. Rs. 25 lakh

d. Rs. 30 lakh

81. The initial ratio of sugar and flour in the dough was 4 : 7 With 22 kg of the dough Justine added more flour to make the sugar to flour ratio 2 : 5. How much flour did Justine later added?   (+1, -0.33)

   a. 4 kg

   b. 6 kg

   c. 8 kg

   d. 2 kg

82. Choose the most suitable Venn diagram for the following words. Jk   (+1, -0.33)

   Metal, Platinum, Oxygen

   a.

   b.

   c.

   d.

83. How much less is 28.8 km than 42.3 km.   **(+1, -0.33)**

    a. 13.5 km

    b. 1.354 km

    c. 1.25 km

    d. 12.5 km

---

84. Which of the following numbers is irrational?   **(+1, -0.33)**

    a. $\sqrt{16}$

    b. $\sqrt[6]{1}$

    c. $\sqrt[4]{4}$

    d. $\sqrt[3]{8}$

---

85. The loudness of the Sound produced by a radio increases by _____.   **(+1, -0.33)**

    a. increasing the frequency

    b. increasing the amplitude

    c. increasing the wavelength

    d. increasing the pitch

---

86. Given is a statement followed by two assumptions numbered I and II.   **(+1, -0.33)**
Consider the statement and the following assumptions and decide which

of the assumptions and decide which of the assumptions is/are implicit in the statement.

Statement:

The safety, quality and nutritional value of the food we eat is of fundamental importance to our health and well-being.

Assumptions:

I. Food safety encompasses not only the prevention of gastro-intestinal illnesses caused by bacteria and viruses, but also the avoidance of harm form chemical contamination and the ingestion of unwanted physical contaminants.

II. Monitoring and enforcement of food safety requirements should be carried out by a rangeof professionally qualified officers.

a. Neither assumption I nor II is implicit.

b. Both assumptions I and II are implicit.

c. Only assumption II is implicit.

d. Only assumption I is implicit.

---

87. $92 - [\,71 + \{4 - (5 - (4 - 2))\}] = ?$ (+1, -0.33)

a. 12

b. 21

c. 15

d. 20

---

88. As of 2018, who is the CEO of NITI Aayog?   (+1, -0.33)

    a. Amitabh Kant

    b. Narendra Modi

    c. Arvind Panagariya

    d. Arvind Subramanian

89. Find the energy possessed by a stationary object at a height of 6 m and   (+1, -0.33)
    with a mass of 50 kg. (g = $10m/s^2$)

    a. 3000 J

    b. 3×10^4 J

    c. 300 J

    d. 30 J

90. In December 2017, with which country did India sign a pact for socio-   (+1, -0.33)
    economic development of Rakhine State?

    a. Japan

    b. China

    c. Maldives

    d. Myanmar

91. Srinivas is four times as old as his daughter. Five years ago, Srinivas was nine times as old as his daughter was at that time. His daughters present age is: (+1, -0.33)

    a. 10 years

    b. 8 years

    c. 6 years

    d. 5 years

92. _____ have similar chemical properties but different atomic masses.   (+1, -0.33)

    a. Isomers

    b. Isotopes

    c. Actinides

    d. Isobars

93. In which year was the regulation passed to ban the practice of Sati?   (+1, -0.33)

    a. 1840

    b. 1852

    c. 1837

    d. 1829

94. Name the country which won the 2017 Women's Hockey asia Cup title?   (+1, -0.33)

a. Nepal

b. India

c. Bangladesh

d. Pakistan

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

    Statement:

    Students should be encouraged to participate in debates.

    Assumptions:

    I. They will learn convincing skills.

    II. Their communication skills will be enhanced.

    a. Only II is implicit

    b. Only I is implicit

    c. Both I and II are implicit

    d. Neither I nor II is implicit

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96. Who among the following has been awarded Crystal award on 22nd January 2018 at WEF, World Economic forum Annual Summit held at Davos? **(+1, -0.33)**

    a. Sundar Pichai

    b. Raghuram Rajan

c. Shah Rukh Khan

d. Narendra Modi

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97. Based on the arithmetic reasoning, find the number that is different from other options in the given list of numbers.   (+1, -0.33)

a. 125

b. 100

c. 343

d. 216

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98. Which of the following statements regarding a rectangle is correct?   (+1, -0.33)

a. Its diagonals are equal and divide each other equally at the right angle.

b. Its diagonals are perpendicular to each other

c. Its diagonals are equal and divide each other equally.

d. It diagonals divide each other equally at the right angle.

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

a. D

b. B

c. C

d. A

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100. The mean of 100 observations is 50. If one observation which was 60 is replaced by 160, the resulting mean will be:

(+1, -0.33)

a. 50.5

b. 51

c. 52

d. 51.5