



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 (17-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.

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Test

1. The hormone produced in plants due to which the stem bends towards sunlight is ____ (+1, -0.33)
- a. Auxins
 - b. Giberrellins
 - c. Cytokinins
 - d. Ascorbic acid
-
2. A small scale soap business has the following expenses: 10% on marketing, 65% on employees' salary and 25% on raw materials. If the business pays a total salary of ₹ 65,000, then what is its marketing expense? (+1, -0.33)
- a. ₹ 10,000
 - b. ₹ 25,000
 - c. ₹ 20,000
 - d. ₹ 40,000
-
3. In a shopping mall the cost of an article was increased by 10% and then it was decreased by 10%. The net increase or decrease percent is: (+1, -0.33)
- a. 1.5% decrease
 - b. 1% increase
 - c. 1.5% increase
 - d. 1% decrease

4. How many moles of Sulphuric acid are present in 25 gms? (+1, -0.33)

- a. 25
- b. 255
- c. 0.255
- d. 0.025

5. Weight of an object on the moon = (_____ × its weight on Earth) (+1, -0.33)

- a. $\frac{1}{5}$
- b. 5
- c. $\frac{1}{6}$
- d. 6

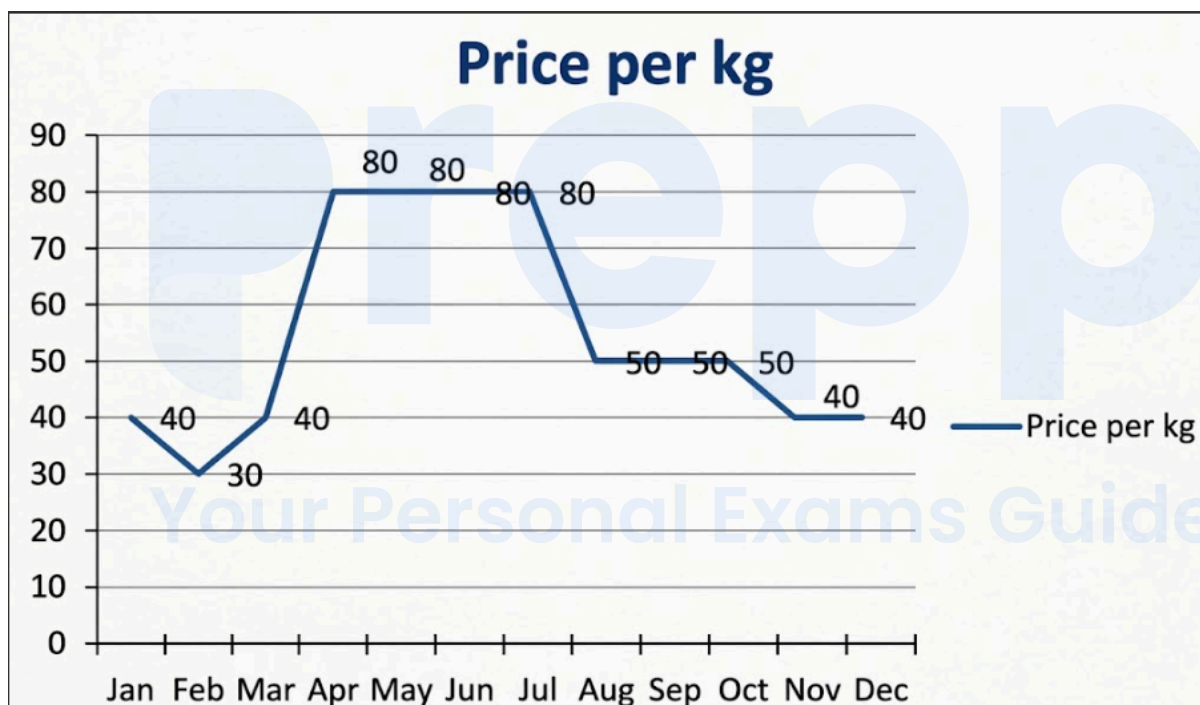
6. Find the area of the triangle formed with the three straight lines represented by: i) $x + y = 0$; ii) $3x = 5y$; and iii) $y = 3x - 12$ (+1, -0.33)

- a. 16 unit
- b. 20 unit
- c. 15 unit
- d. 12 unit

7. Find the ratio in which line $3x + 2y = 17$ divides the line segment joined by points (2, 5) and (5, 2). (+1, -0.33)

- a. 1:3
- b. 2:5
- c. 1:2
- d. 3:4

8. The following is the price of Cabbage over 12 months. What is the median price? (+1, -0.33)



- a. 50
- b. 60
- c. 40
- d. 55

9. A particle in the medium completes 40 vibrations in 2.5 s. The frequency of the wave is ____ (+1, -0.33)

- a. 50 Hz
- b. 16 Hz
- c. 8 Hz
- d. 25 Hz

10. What does the Mangalyaan on the reverse of the Indian ₹ 2,000 banknote depict? (+1, -0.33)

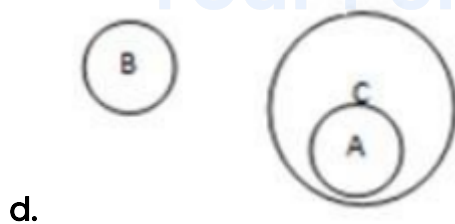
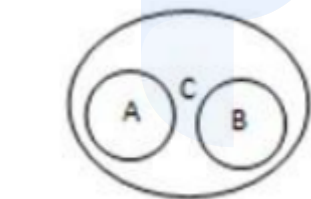
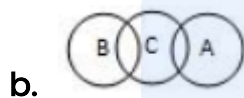
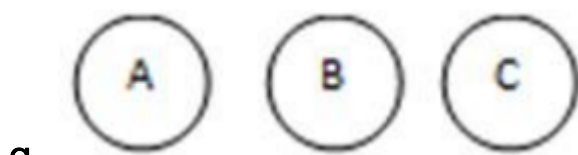
- a. Indian spacecraft power
- b. Technological development of India
- c. India's first venture in interplanetary space
- d. Indian economic development

11. Ratio of days required by A and B to complete some work is 3 : 5. They require $5\frac{5}{8}$ days to complete the work. In how many days can A alone complete twice the work? (+1, -0.33)

- a. 15 days
- b. 30 days
- c. 9 days
- d. 18 days

12. Which Venn diagram correctly represents the relationship between the following? (+1, -0.33)

- A) Button
- B) Pen
- C) Shirt



13. Which of the following does NOT belong to this group? (+1, -0.33)

A	B	C	D
E1	J2	O3	T5

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

14. Who has been re-elected as the International Cricket Council (ICC) Chairman? (+1, -0.33)

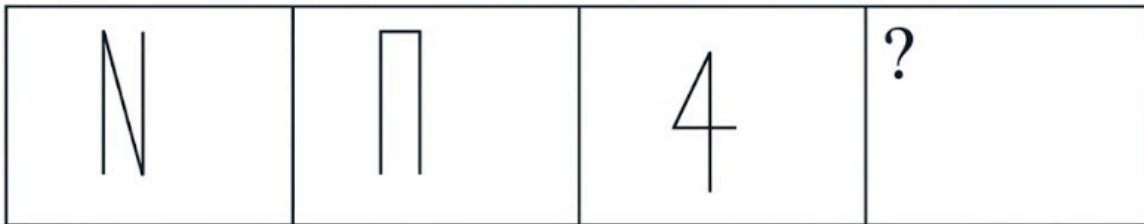
- a. Anurag Thakur
- b. Rajeev Shukla
- c. Shashank Manohar
- d. Srinivasan

15. Group _____ contain non-reactive gases. (+1, -0.33)

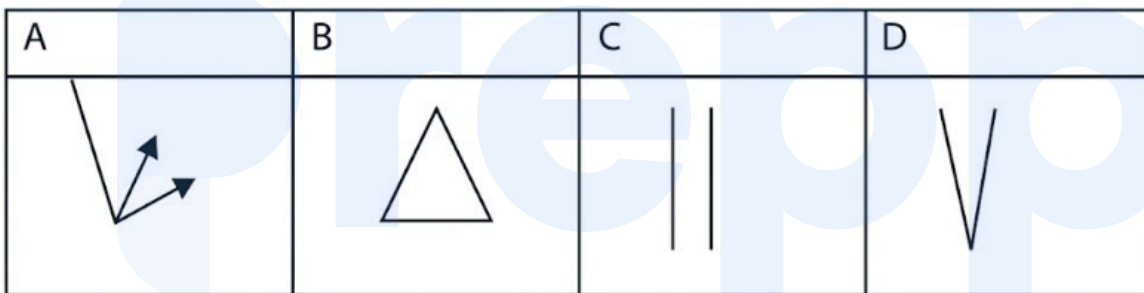
- a. 18
- b. 17
- c. 1
- d. 7

16. Which of the answer figures will come next in following problem figure series? (+1, -0.33)

Problem figure:



Answer figures:



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

17. Which of the following rivers flows through Tibet and is known there as the Yarlung Tsangpo River? (+1, -0.33)

- a. Ganga
- b. Beas

- c. Satluj
 - d. Brahmaputra
-

18. Which of the following kings built the Sun Temple of Konark? (+1, -0.33)

- a. Kudepasiri
 - b. Vakradeva
 - c. Mahameghavahana
 - d. Narasimhadeva I
-

19. Find the difference between 0.02 and 0.002. (+1, -0.33)

- a. 1.8
 - b. 0.018
 - c. 0.0018
 - d. 0.18
-

20. The chemical properties of the element having which of the following atomic numbers are similar to magnesium? (+1, -0.33)

- a. 4
- b. 11
- c. 13
- d. 19

21. 35% of a number is 91. What is the number?

(+1, -0.33)

- a. 245
- b. 260
- c. 252
- d. 266

22. The force that a neutron exerts on a proton inside an atom is:

(+1, -0.33)

- a. Electrostatic force
- b. Tidal force
- c. Nuclear force
- d. Gravitational force

23. Given is a statement followed by two assumptions numbered I and II. Consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement. Statement: There are many great people who have sacrificed their lives for bringing freedom to our country. Assumptions: I. One has to die to bring freedom. II. We live and die once. (+1, -0.33)

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

24. Sodium hydroxide reacts with ____ to form a solution of table salt. (+1, -0.33)

- a. Carbon dioxide gas
 - b. Sodium chloride solution
 - c. Hydrochloric acid
 - d. Oxygen gas
-

25. Which organisation is entering into a joint venture with Spain's Congelados De Navarra to set up a food processing plant at Ludhiana in Punjab with an investment of ₹ 325 crore? (+1, -0.33)

- a. SBI
 - b. NALCO
 - c. IFFCO
 - d. NABARD
-

26. Select the pattern from the below given that resembles closest to: (+1, -0.33)



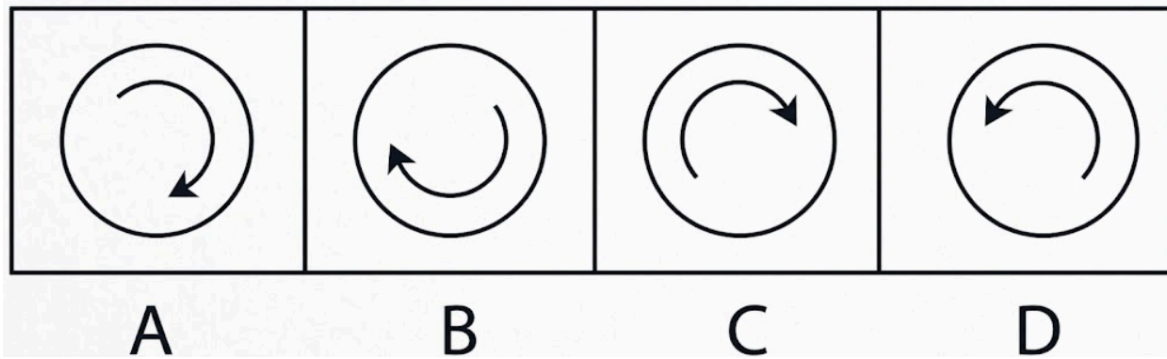
A	B	C	D

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

27. As of August 2018, who is the defence minister of India? (+1, -0.33)

- a. Nirmala Sitharaman
- b. Nitin Gadkari
- c. Rajnath Singh
- d. Sushma Swaraj

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



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

29. Who is the current Minister of Culture?

(+1, -0.33)

- a. Ravi Shankar Prasad
- b. Manohar Parrikar
- c. Mahesh Sharma
- d. Harshvardhan

30. Which of the following numbers is perfectly divisible by 4?

(+1, -0.33)

- a. 5632654
- b. 6542176
- c. 7253566
- d. 4187290

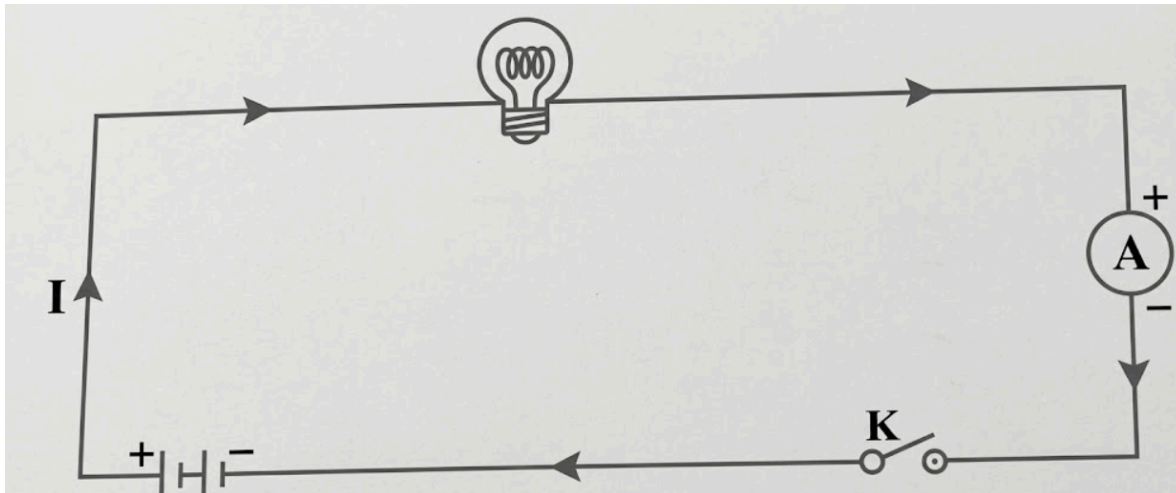
31. A shell of mass 0.04 kg is fired by a gun of mass 120 kg. If the muzzle speed of the shell is 90 m/s, what is the recoil speed of the gun? (+1, -0.33)

- a. 3×10^2 m/s
- b. 0.3 m/s
- c. 3×10^{-3} m/s
- d. 3×10^{-2} m/s

32. A boat takes a total of 15 hours to travel to a destination in still water and return to its starting point. 16 hours are required for the same journey when there is a current in the river. The difference between the speed of the boat and the river is 15 km/hr. Find the speed of the river current. (+1, -0.33)

- a. 10 km/hr
- b. 6 km/hr
- c. 4 km/hr
- d. 5 km/hr

33. The flow of ____ is anti-clockwise in the given circuit (+1, -0.33)



- a. Electrons
- b. Voltage
- c. Current
- d. Resistance

34. Which Indian personality was honored with the 2017 Carnegie Medal of Philanthropy? (+1, -0.33)

- a. Anil Ambani
- b. Ness Wadia
- c. Azim Premji
- d. Ratan Tata

35. Two pipes take 5 hours and 8 hours respectively to fill a tank at different times, while a third pipe can empty it in 3.2 hours. How much time will it take to fill the tank completely if all three pipes are opened together in an empty tank? (+1, -0.33)

- a. 9 hours 48 minutes
 - b. 3 days 3 hours 36 minutes
 - c. 6 hours 12 minutes
 - d. 3 days 8 hours
-

36. Which Indian was crowned Miss Transqueen India 2017 for the first time? (+1, -0.33)

- a. Nitasha Biswas
 - b. Laeticia Raveena
 - c. Ragasya
 - d. Loloi
-

37. Read the given question and decide which of the following information is sufficient to answer the question. Question: What is the value of θ ? (+1, -0.33)

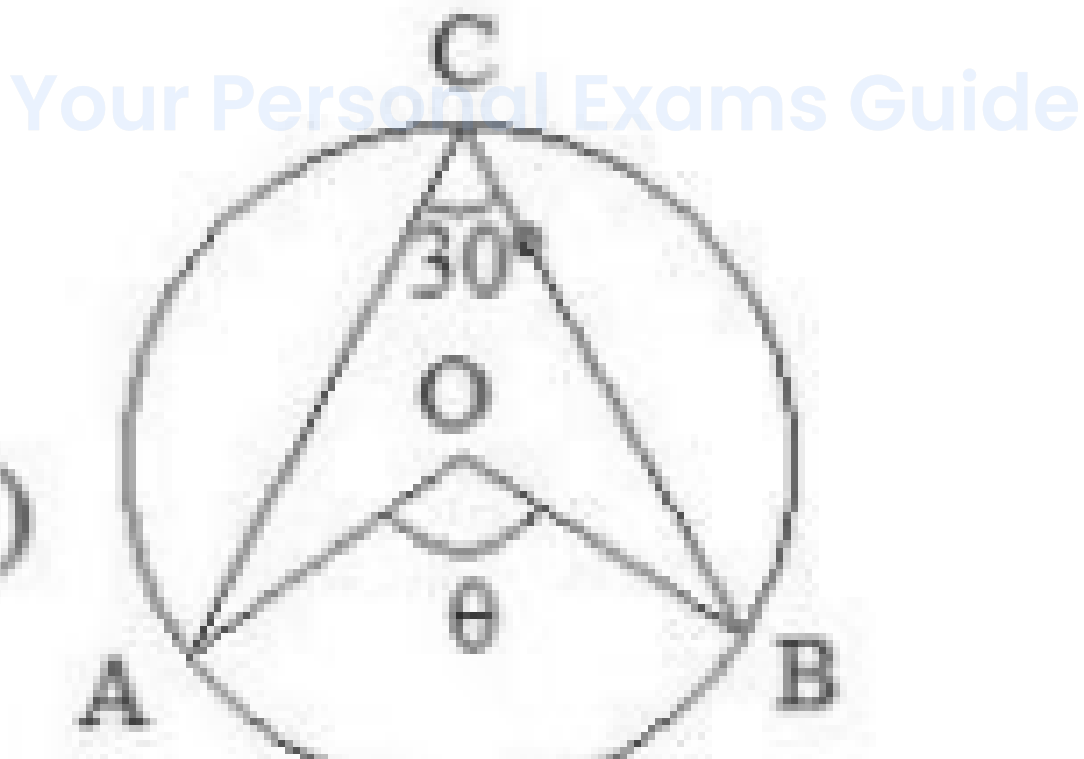
Information:

1)

Question:

What is the value of θ ?

Information:

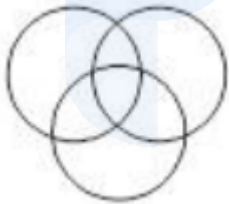


$$2) 0 < \theta < 90^\circ$$

$$2) 0 < \theta < 90^\circ$$

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

38. Choose the most suitable Venn diagram for the following words. TV, Camera, Train (+1, -0.33)



a.



b.



c.



d.

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

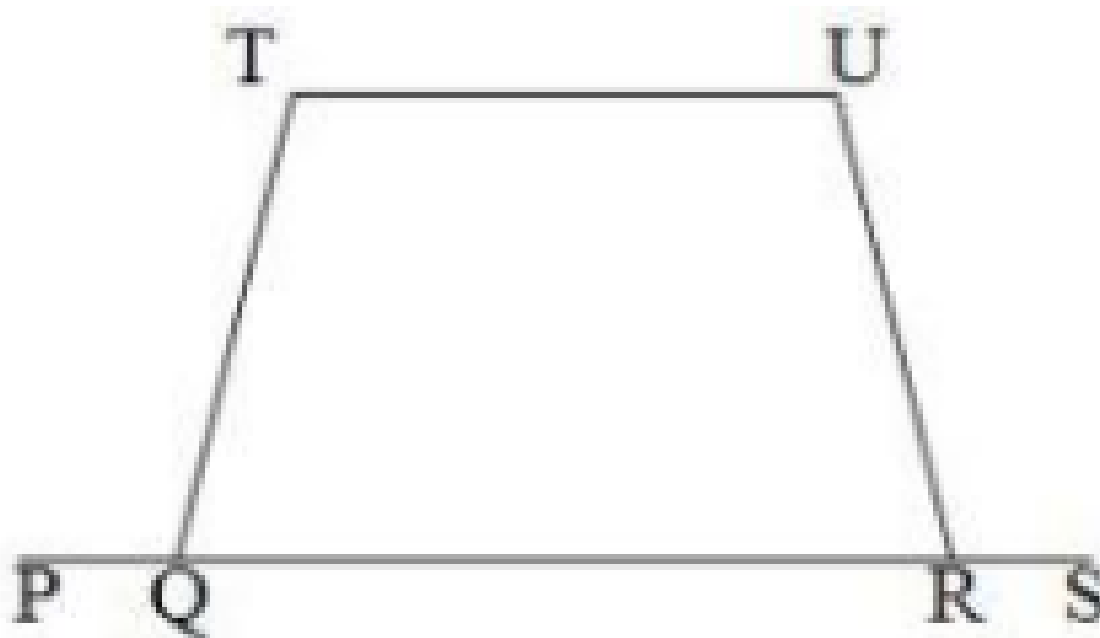
- a. 462
- b. 369
- c. 571
- d. 427

40. Find the next term in this series. 2R, 9U, 16X, ----- (+1, -0.33)

- a. 20A
- b. 23B
- c. 23A
- d. 22B

41. Inlet Pipe A can fill a cistern in 32 hours, whereas outlet Pipe B can drain the filled cistern in 40 hours. The two pipes are opened together when the cistern is empty, but the outlet pipe is closed when the cistern is three-quarters full. How many hours will it take in all to fill the cistern? (+1, -0.33)

- a. 128
- b. 120
- c. 80
- d. 62



42. In the given figure, $TU \parallel PS$ and points Q and R lie on PS . Also, $\angle PQT = x^\circ$, $\angle RQT = (x - 50)^\circ$ and $\angle TUR = (x + 25)^\circ$. What is the measure of $\angle URS$? (+1, -0.33)
- a. 130°
 - b. 140°
 - c. 115°
 - d. 135°

43. Which of the following awards has 'The English Patient' won? (+1, -0.33)
- a. The Pulitzer Prize
 - b. The Warwick Prize for Writing
 - c. The Golden Man Booker Prize
 - d. International Rubery Book Award

-
44. Which is the fraction which when subtracted from $\frac{1}{2}$ leaves a remainder of $\frac{3}{4}$? (+1, -0.33)
- a. $-\frac{1}{4}$
 - b. $\frac{1}{3}$
 - c. $-\frac{1}{3}$
 - d. $\frac{1}{4}$
-

45. Find the next term in the following series. 4, B, 6, C, 5, D, 7, E, ? (+1, -0.33)
- a. 12
 - b. 9
 - c. 6
 - d. 10
-

46. Sunil and Manohar are playing carrom. If Sunil is looking towards the north-east, then in which direction will his opponent Manohar look? (+1, -0.33)
- a. South-West
 - b. North-East
 - c. South-East
 - d. North-West
-

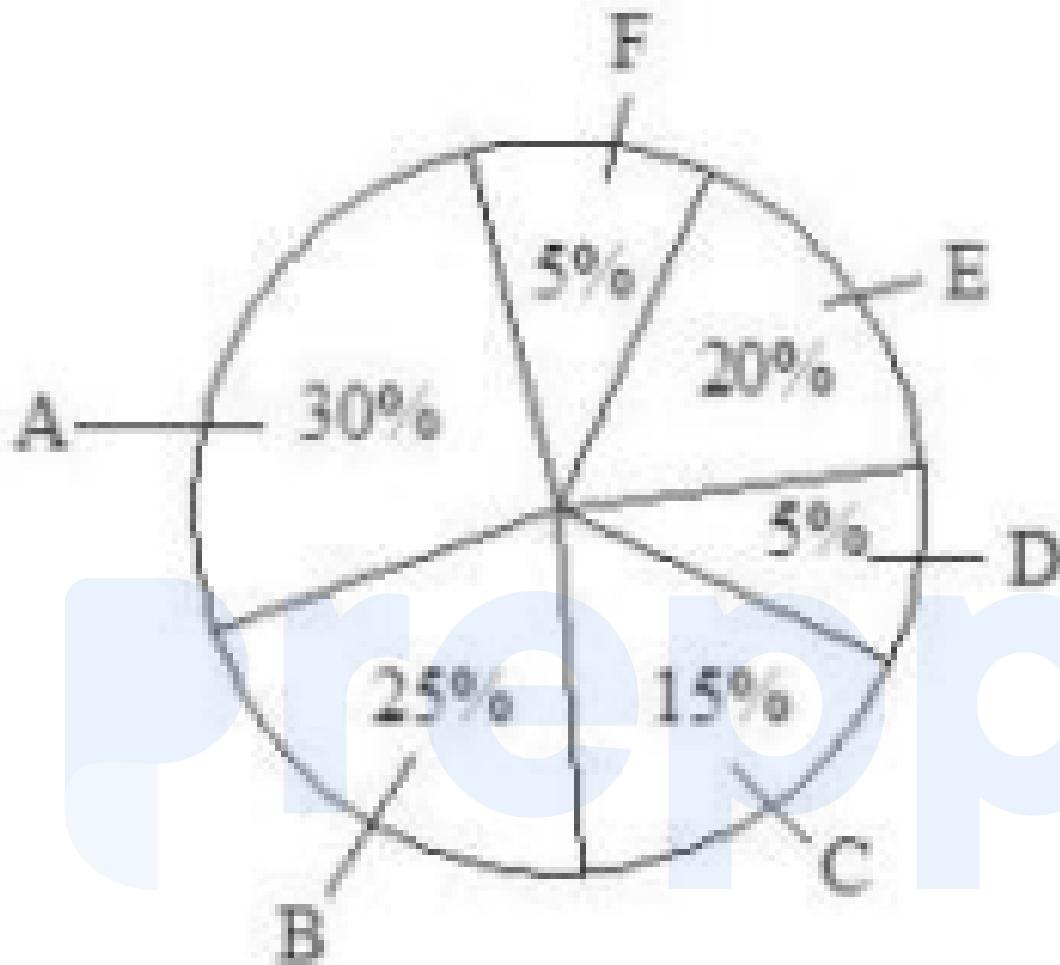
47. The angle between displacement and force applied when no work is done is ____ (+1, -0.33)

- a. 0°
 - b. 90°
 - c. 45°
 - d. 120°
-

48. The ____ cells are loosely packed so that large intercellular spaces are found. (+1, -0.33)

- a. sclerenchyma
 - b. parenchyma
 - c. phloem
 - d. collenchyma
-

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



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If the total NPAs under all the banks are worth ₹ 300 lakh crores, then NPAs worth how much (in ₹ lakh crores) does Bank 'D' contain till December 2017?

- a. 15
- b. 20
- c. 5
- d. 10

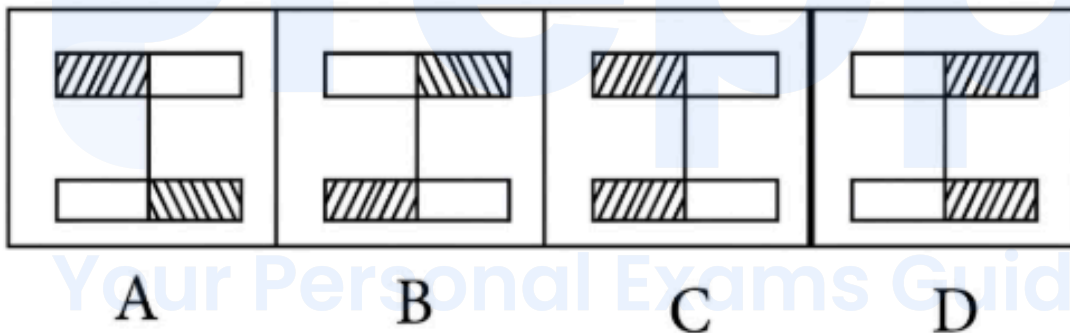
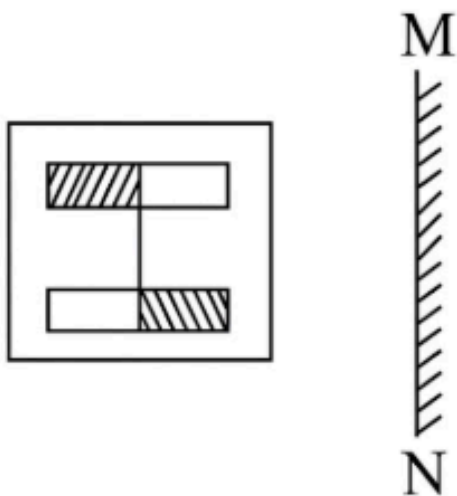
50. If $p : 18 :: 5 : 3$, then what is the value of p ? (+1, -0.33)

- a. 60
 - b. 30
 - c. 50
 - d. 25
-

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



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

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

logically follow(s) from the statement. Statement: Beauty lies in the eyes of the beholder. Conclusions: I. To some people, some people look beautiful. II. To some people, some people do not look beautiful.

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

53. Waves produced at the bottom of the sea due to an explosion are ____ (+1, -0.33)

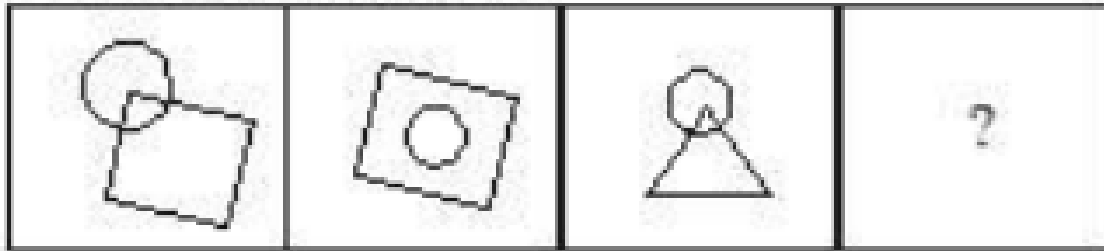
- a. Stationary
- b. Transverse
- c. Both, transverse and longitudinal
- d. Longitudinal

54. The suffix attached to a hydrocarbon chain ending with a ketone is ____ (+1, -0.33)

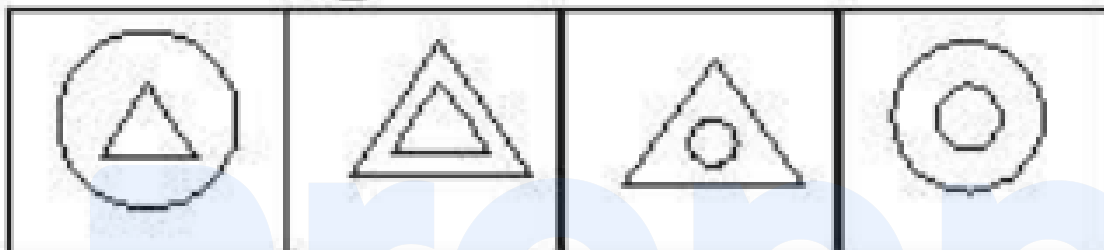
- a. -oic
- b. -one
- c. -al
- d. -ol

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

Problem figures:



Answer figures:



A

B

C

D

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

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56. Bangalore Metro Rail Corporation Limited (BMRCL) has signed an MoU with which company for the construction of a station at Konappana Agrahara? (+1, -0.33)
- a. Infosys
 - b. Google
 - c. WIPRO

d. Yahoo

57. Who among the following was the first Indian bowler to record a five-wicket haul in T20 in the history of Indian Cricket? (+1, -0.33)

- a. Ishant Sharma
 - b. Yuzvendra Chahal
 - c. Ravindra Jadeja
 - d. R. Ashwin
-

58. The 14th Hockey World Cup will be held in which part of India in 2018? (+1, -0.33)

- a. Mumbai
 - b. Patna
 - c. Jhansi
 - d. Bhubaneswar
-

59. Male germ cells are produced in the ____ (+1, -0.33)

- a. Testes
 - b. Vas deferens
 - c. Prostrate
 - d. Scrotum
-

60. The ratio of the present ages of X and Y is 3 : 4. Five years ago, the ratio of their ages was 5 : 7. What is the present age of Y? (+1, -0.33)

- a. 50 years
- b. 40 years
- c. 60 years
- d. 30 years

61. Adding a 12% profit to an item gave a selling price of ₹ 616. If the item is sold for ₹ 462, what will be the percentage loss? (+1, -0.33)

- a. 12
- b. 14
- c. 18
- d. 16

62. Conrad Sangma has been sworn-in as the 12th Chief Minister of Meghalaya. Which Lok Sabha constituency does he belong to? (+1, -0.33)

- a. Mairang
- b. Tura
- c. Jowai
- d. Rajabala

63. The element with atomic number 57 belongs to: (+1, -0.33)

- a. p-block
- b. f-block
- c. d-block
- d. s-block

64. A body rolling down on a hill has: (+1, -0.33)

- a. Potential energy only
- b. Only friction force
- c. Kinetic energy only
- d. Both kinetic energy and potential energy

65. In a hybrid cross of 556 round green and wrinkled yellow seeds, ---- seeds are round and yellow. (+1, -0.33)

- a. 32
- b. 101
- c. 108
- d. 315

66. 9800 joule of energy was spent to raise a mass of 70 kg. The mass was raised to a height of: (+1, -0.33)

- a. - 140 m
 - b. 140 m
 - c. - 14 m
 - d. 14 m
-

67. _____ is the rate of doing work. (+1, -0.33)

- a. Velocity
 - b. Force
 - c. Power
 - d. Energy
-

68. Which city hosted 'AROGYA 2017', the first international exhibition and conference on AYUSH and Wellness sector? (+1, -0.33)

- a. Noida
 - b. Rishikesh
 - c. Udaipur
 - d. New Delhi
-

69. If $\cot^4 \theta + \cot^2 \theta = 3.6$, then $\csc^4 \theta - \csc^2 \theta = ?$ (+1, -0.33)

- a. 1.8
- b. 2.4

c. 0.6

d. 3.6

70. After explosion of a shell, many pieces fly off in different directions. In such a case, what is conserved? (+1, -0.33)

a. Potential energy

b. Work

c. Momentum

d. Force

71. Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s). Statement: • All liquids are clear. • All clear are chemicals. Conclusions: 1. Some chemicals are liquids. 2. Some clear are liquids. (+1, -0.33)

a. Only conclusion 2 follows.

b. No conclusion follows.

c. Only conclusion 1 follows.

d. All the conclusions follow.

72. $\frac{2^8-1}{(\sqrt{2})^{12}} = ?$ (+1, -0.33)

a. 255/64

b. 127/32

c. 196/65

d. 223/64

73. Among H, Li, O and F, _____ element has the largest atom and _____ the smallest atom. (+1, -0.33)

a. Li, H

b. H, O

c. O, F

d. Li, O

74. The value of half of the HCF of 36 and 144 is: (+1, -0.33)

a. 36

b. 18

c. 72

d. 144

75. A chemical "_____" is present in the cork cells to make them impervious to gases and water. (+1, -0.33)

a. Safranin

b. Chitin

c. Cutin

d. Suberin

76. If AGE is coded as EKI, then how will PACE be coded? (+1, -0.33)

a. TFGI

b. TEGI

c. TDGI

d. TBGI

77. The host city for the 8th annual Global Entrepreneurship Summit (GES-2017) was: (+1, -0.33)

a. Mysore

b. Bengaluru

c. Chennai

d. Hyderabad

78. Who won the 13th edition of National 'A' Chess Championship for the Visually Challenged 2018? (+1, -0.33)

a. Ashvin Makwana

b. Kishan Gangolli

c. Charudatta Jadhav

d. Soundarya Kumar Pradhan

79. Find the next letter in the following series. S, A, H, N, S, ? (+1, -0.33)

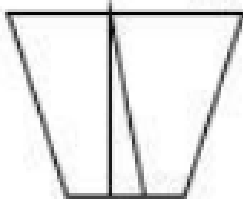
- a. Y
- b. W
- c. Q
- d. T

80. A man travels by train and car to reach his office. If he travels 10 km by car and covers the rest of the journey by train, he reaches his office in t hours. If he does the exact opposite, he reaches office in $(t + 0.5)$ hours. If the speed of the train and car are 50 km/h and 40 km/h respectively, then how much distance does he cover to reach his office? (+1, -0.33)

- a. 120 km
- b. 140 km
- c. 100 km
- d. 80 km

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

Question Figure:



Option Figures:

A	B	C	D

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

82. A, B, C have 152, 171 and 266 marbles, respectively. They decide to divide these marbles in parts such that all parts have the same number of marbles. Also, they cannot give or take the marbles. Find the minimum possible number of parts that can be made. (+1, -0.33)
- a. 23
 - b. 49

- c. 31
 - d. 196
-

83. The sum of two numbers is 9. The sum of their reciprocals is $\frac{1}{2}$. One of the numbers is: (+1, -0.33)

- a. 2
 - b. 6
 - c. 5
 - d. 4
-

84. Vindhyashakti was the founder of the _____ dynasty? (+1, -0.33)

- a. Kakatiya
 - b. Chola
 - c. Vakataka
 - d. Pandya
-

85. Choose the person who does NOT belong to the group. (+1, -0.33)

- a. Lalu Prasad Yadav
- b. Vikram Sarabhai
- c. Indira Gandhi
- d. Arvind Kejriwal

86. Which of the following companies is the official partner for the Hockey Men's World Cup 2018? (+1, -0.33)

- a. Gujarat Mining Corporation
- b. Maharashtra Mining Corporation
- c. West Bengal Mining Corporation
- d. Odisha Mining Corporation

87. If $\sin \theta - \cos \theta = 0$, then the value of $\sin^4 \theta + \cos^4 \theta + \tan^2 \theta$ is: (+1, -0.33)

- a. $3/2$
- b. $7/4$
- c. 2
- d. $5/4$

88. Two valves X and Y can separately fill a tank in 20 hours and 30 hours, respectively. Both the valves are opened to fill the tank, but until the tank is one-third full, a leak in the tank lets one-third of the water supplied by both the valves leak out. When the tank is one-third full, the leak is closed and the two valves continue to fill the tank. What is the total time taken to fill the tank? (+1, -0.33)

- a. 16 hours
- b. 12 hours
- c. 14 hours

d. 10 hours

89. Lock is related to door in the same way as password is related to ____ (+1, -0.33)

- a. Gate
 - b. Verify
 - c. Wildcard letters
 - d. Computer
-

90. Read the given statements and the following conclusions carefully and select which of the conclusions logically follow(s) from the statements. (+1, -0.33)
Statements: • Some scooters are vehicles. • All vehicles are fast.
Conclusions: 1. Some scooters are fast. 2. All fast are vehicles.

- a. All the conclusions follow.
 - b. No conclusions follow.
 - c. Only conclusion 1 follows.
 - d. Only conclusion 2 follows.
-

91. Baking powder is a mixture of ____ and ____ (+1, -0.33)

- a. Sodium hydrogen carbonate, Malic acid
- b. Sodium hydrogen carbonate, Tartaric acid
- c. Sodium carbonate, Tartaric acid
- d. Sodium hydrogen carbonate, Sulphuric acid

92. The valency of chlorine with respect to oxygen is _____. (+1, -0.33)

- a. 4
- b. 2
- c. 5
- d. 7

93. Read the given statements and conclusions carefully and select the conclusion that logically follows the statement. Statement: Among all creatures, penguins are the most friendly. Conclusions: I. No other creature is friendly. II. Penguins are very much liked by humans. (+1, -0.33)

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

94. X shows a picture to his friend Z and says, "This is my wife's daughter's husband's son." The person in the picture is X's _____ (+1, -0.33)

- a. Grandson
- b. Father-in-law
- c. Granddaughter
- d. Uncle

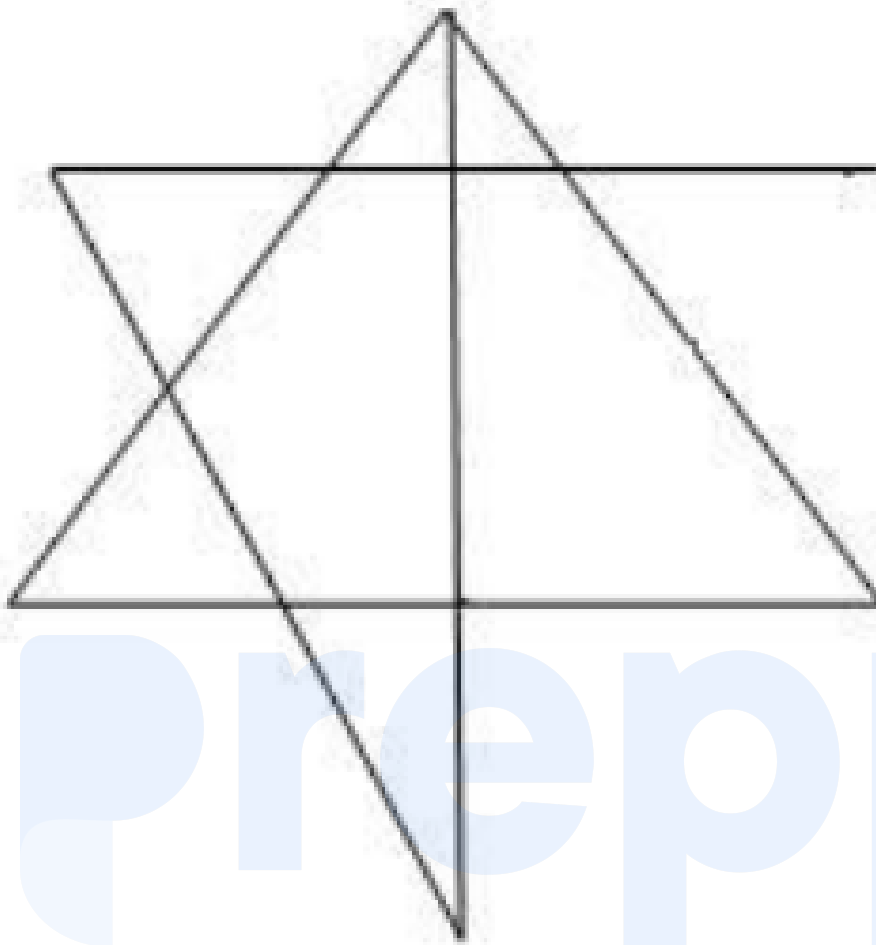
95. Jayakwadi (Stage-1) Hydroelectric Project is built on which river? (+1, -0.33)

- a. Indus
 - b. Cauvery
 - c. Ganga
 - d. Godavari
-

96. $[\{(161 + (19 - 2) + 1)\} - 3] = \text{----}$ (+1, -0.33)

- a. 176
 - b. 171
 - c. 172
 - d. 174
-

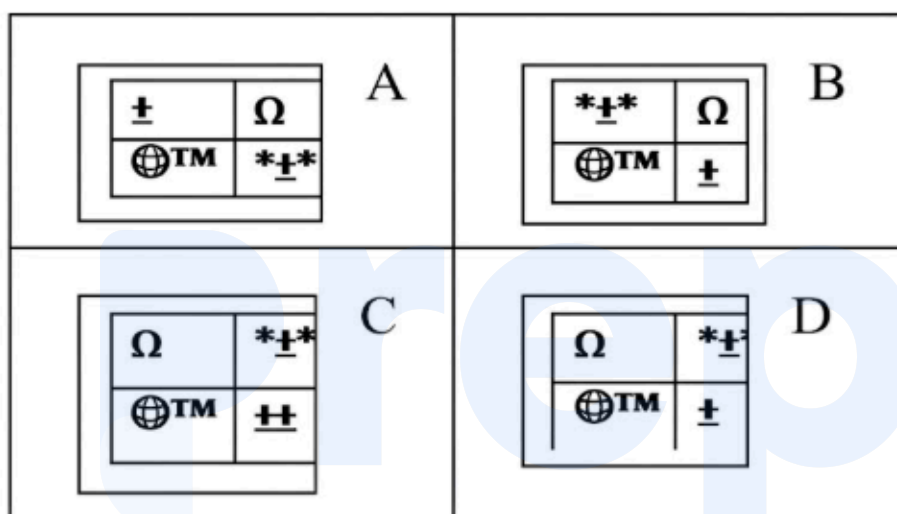
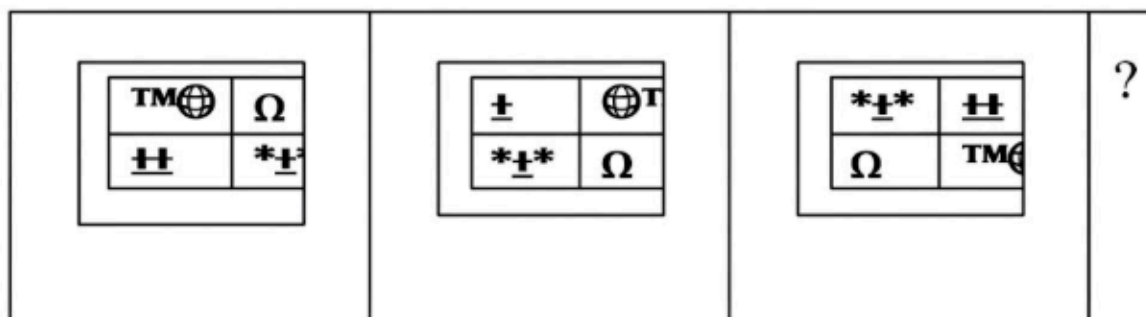
97. How many triangles are there in the following figure? (+1, -0.33)



- a. 8
- b. 7
- c. 11
- d. 6

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98. Select the option that can replace the question mark (?) in the following series. (+1, -0.33)



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

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99. What is the measure of the smaller of the two angles formed between the hour hand and the minute hand of a clock when it is 6:51 p.m.? (+1, -0.33)
- a. 101.5°
 - b. 101°

c. 100.5°

d. 100°

100. Consider the given statements and decide which of the following assumptions is/are implicit in the statement. Statement: Nowadays people know that chanting mantras relieves stress and anxiety. Assumptions: I. Stress and anxiety are the hazards of modern times which most people face. II. People are looking for alternative medicine. (+1, -0.33)

Assumptions: I. Stress and anxiety are the hazards of modern times which most people face. II. People are looking for alternative medicine.

a. Both I and II are implicit.

b. Neither I nor II is implicit.

c. Only I is implicit.

d. Only II is implicit.

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