

# Prepp

## Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



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SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BSPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

# SSC GD Constable 2021 (English) Prev. Year Paper (23-Nov-2021) (Shift 1)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

## Instructions

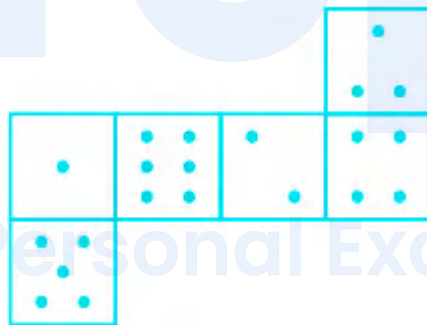
Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	25	25	0.25	1
2	General Knowledge and General Awareness	25	25	0.25	1
3	Elementary Mathematics	25	25	0.25	1
4	English	25	25	0.25	1

- 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.

## General Intelligence and Reasoning

1. Rajpal and Rampal are two brothers. Sunita is the sister-in-law of Rajpal. (+1, -0.25)  
 Ragubir is the father of Sunita. Sunita is the only sister of Vikram. Harsh is the only son of Sunita. How is Rampal related to Harsh?
- a. Paternal uncle
  - b. Grandfather
  - c. Maternal uncle
  - d. Father

2. A box is made by folding the given sheet. In the box so formed, select the face that will be opposite to the face having four dots. (+1, -0.25)



- a. 
- b. 
- c. 



3. Select the correct mirror image of the given figure when the mirror is placed at the right side. (+1, -0.25)



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4. In a certain code language, 'GROWTH' is written as 'OIGHGW'. How will 'GODREJ' be written in that language? (+1, -0.25)

a. DOGJER

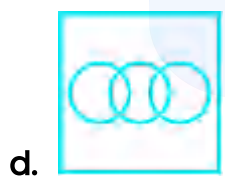
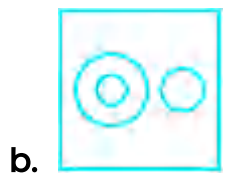
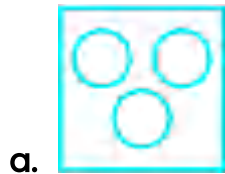
b. DPGJZR

c. DLGJVR

d. DGLVJR

5. Select the Venn diagram that best represents the relationship between the following classes. (+1, -0.25)

Entrance test, Questions, Practice test

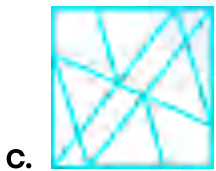


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6. Six friends, Gopi, Sheela, Ravali, Sarayu, Hina and Giri, are standing in a row, facing to the north. There are two persons between Sheela and Hina. Ravali is between Hina and Sarayu. Only one person is standing ahead of Gopi. Giri is between Gopi and Hina. Hina is third from the back of the row. Which two persons are standing between Sheela and Hina?
- a. Giri and Sarayu
  - b. Gopi and Ravali
  - c. Sarayu and Ravali

d. Gopi and Giri

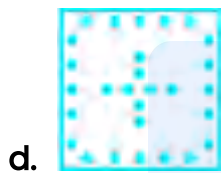
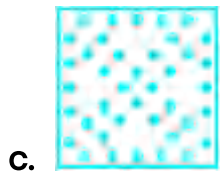
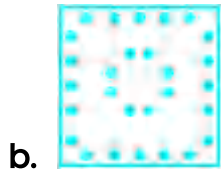
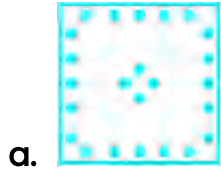
7. Select the option in which the given figure is embedded (rotation is NOT allowed). (+1, -0.25)



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8. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded? (+1, -0.25)





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9. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. (+1, -0.25)

- 1. Stumpy
- 2. Stumble
- 3. Stupor
- 4. Stuffy
- 5. Stung

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



10. 'Resistance' is related to 'Ohm' in the same way as 'Force' is related to '-----'. (+1, -0.25)

- a. Volt
- b. Degree
- c. Radian
- d. Newton

11. Study the given pattern carefully and select the number that can replace the question mark (?) in it. (+1, -0.25)

4	10	9
5	13	13
7	19	?

- a. 23
- b. 13
- c. 17
- d. 21

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12. If  $5 + 8 = 14$ ,  $9 + 6 = 21$ , and  $4 + 10 = 13$ , then  $7 + 2 = ?$  (+1, -0.25)

- a. 16
- b. 17
- c. 18



d. 15

---

13. Six friends are sitting in a row facing north. Mehar is sitting at the west end. (+1, -0.25)  
Nidhi is sitting to the left of only Sia. Two persons are sitting between Ansh and Nidhi. One person is sitting between Gaurav and Mehar. Rakshit is sitting towards the right of Ansh. Who is sitting at the third place from the east?

- a. Rakshit
  - b. Ansh
  - c. Gaurav
  - d. Nidhi
- 

14. Four letter-clusters have been given, out of which three are alike in some (+1, -0.25)  
manner and one is different. Select the letter-cluster that is different.

- a. JKUS
  - b. LMWU
  - c. DEOM
  - d. PQZY
- 

15. In a certain code language, TAILOR is coded as 538490 and LAND is coded (+1, -0.25)  
as 4367. How will DRAIN be coded in that language?

- a. 60378
- b. 70389

c. 70367

d. 70386

16. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

7, 11, 16, 22, ?, 37, 46

a. 28

b. 27

c. 31

d. 29

17. Select the figure from among the given options that can replace the question mark (?) in the following figure and complete the pattern (Rotation is NOT allowed). (+1, -0.25)





c.



d.

---

18. In a certain code language, PRINCE is written as OQHODF. How will BUDGET be written in that language? (+1, -0.25)

- a. ATCIFU
- b. ATCHFU
- c. ATEIFU
- d. DBQSFU

---

19. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

1, 8, 64, 512, ?

- a. 2744
- b. 17282
- c. 4096
- d. 2197

---

20. Select the option that is related to the third number in the same way as the second number is related to the first number. (+1, -0.25)

15 : 225 :: 24 : ?

- a. 446
- b. 576
- c. 552
- d. 529

21. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. (+1, -0.25)

S O \_ \_ T A S \_ \_ A T A \_ \_ N A T \_ \_ O N A \_ \_

- a. NAONSOTASA
- b. NAONSOASTA
- c. NAONSOSATA
- d. NAONSOASON

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22. Select the option that is related to the third term in the same way as the second term is related to the first term. (+1, -0.25)

BEARD : FTCDG :: CROWN : ?

- a. PYQVH
- b. PYBCE
- c. PYQTE
- d. WXDJM

23. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. (+1, -0.25)

Statements:

Some spoons are plates.

Some plates are tumblers.

Conclusions:

I. No tumbler is a spoon.

II. No plate is a spoon.

III. Some tumblers are spoons.

- a. All the conclusions follow
- b. Either conclusion I or conclusion III follows
- c. Only conclusions I and II follow
- d. Only conclusions II and III follow

- 
24. If 'N' means '×', 'T' means '-', 'M' means '÷', 'A' means '=', and 'R' means '+', then which of the following equations will be logically correct? (+1, -0.25)

- a. 36M18N36R18T36A58
- b. 36M18N36R18T36A54
- c. 36N18R36M18T36A54
- d. 36A18T36N18R36M54

25. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

BER, EAT, HWV, ?, NOZ

a. LSY

b. KSX

c. KTX

d. LSX

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## General Knowledge and General Awareness

26. Which of the following is a serious mental illness that affects how a person thinks, feels and behaves? (+1, -0.25)
- a. Atherosclerosis
  - b. Taeniasis
  - c. Schizophrenia
  - d. Ascariasis
- 
27. Who among the following won the 'Young Career Award in Nano Science and Technology 2020'? (+1, -0.25)
- a. Lalit Jain
  - b. Umakant Joshi
  - c. Sudha Sharma
  - d. Saurabh Lodha
- 
28. Which of the following states has the lowest density of population in India as per Census 2011? (+1, -0.25)
- a. Sikkim
  - b. Arunachal Pradesh
  - c. Mizoram
  - d. Nagaland
-



29. Which of the following cricketers became the fastest batsman to reach 22,000 international runs in his 462nd international inning in November 2020? (+1, -0.25)
- a. Ishant Sharma
  - b. Hardik Pandya
  - c. Rohit Sharma
  - d. Virat Kohli
- 

30. In which of the following years was Goa conquered by the Portuguese? (+1, -0.25)
- a. 1510
  - b. 1579
  - c. 1526
  - d. 1590
- 

31. Which of the following countries recorded the largest reduction in malaria cases in South-East Asia as per the 'World Malaria Report 2020' released by the World Health Organization? (+1, -0.25)
- a. India
  - b. China
  - c. Bangladesh
  - d. Pakistan
-

32. On whose advice did Gandhiji spend a year travelling around British India, (+1, -0.25) getting to know the land and its people?

- a. Gopal Krishna Gokhale
  - b. Bipin Chandra Pal
  - c. Bal Gangadhar Tilak
  - d. Lala Lajpat Rai
- 

33. In which of the following years was the Bharatiya Janta Party founded? (+1, -0.25)

- a. 1957
  - b. 1934
  - c. 1980
  - d. 1967
- 

34. Who among the following won the Global Teacher Award 2020 for his/her (+1, -0.25) work helping girls, most of whom were from poor tribal communities, at a village school in western India?

- a. Aditya Kumar
  - b. Arvind Gupta
  - c. Kamlesh Zapadiya
  - d. Ranjitsinh Disale
-

35. Who among the following is the fastest cricketer to score 12000 ODI runs? (+1, -0.25)

- a. Virat Kohli
  - b. Sachin Tendulkar
  - c. Kumar Sangakkara
  - d. Ricky Ponting
- 

36. Which of the following is an inactivated Vitamin D? (+1, -0.25)

- a. Tocopherol
  - b. Thiamine
  - c. Ergocalciferol
  - d. Ascorbic acid
- 

37. In a neutralisation reaction, a new substance is formed, called \_\_\_\_\_. (+1, -0.25)

- a. washing soda
  - b. baking soda
  - c. pepper
  - d. salt
- 

38. Which of the following festivals is celebrated at the confluence of the Mahi and Som rivers? (+1, -0.25)

- a. Mariamman festival
  - b. Sarhul festival
  - c. Baneshwar festival
  - d. Tulip festival
- 

39. In the Union Budget 2020, how much insurance coverage did the Government of India propose to increase on bank fixed deposits and savings which previously was ₹1 lakh only? (+1, -0.25)

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

40. Punch-marked coins from the sixth century BCE onwards were made of silver and which of the following metals? (+1, -0.25)

- a. Zinc
  - b. Gold
  - c. Copper
  - d. Aluminium
- 

41. Gurmukhi script was invented by which of the following Gurus? (+1, -0.25)

- a. Guru Angad

- b. Guru Arjan
  - c. Guru Nanak
  - d. Guru Teg Bahadur
- 

42. Which of the following countries will host the 19th Heads of Government Council meeting of Shanghai Co-operation Organisation? (+1, -0.25)

- a. India
  - b. Uzbekistan
  - c. Russia
  - d. China
- 

43. The Indian Ocean is the \_\_\_\_\_ ocean in the world. (+1, -0.25)

- a. largest
  - b. third-largest
  - c. smallest
  - d. second-largest
- 

44. After \_\_\_\_\_, Virat Kohli is the second Indian cricket captain to win two test matches in a series in England. (+1, -0.25)

- a. Kapil Dev
- b. Dilip Vengsarkar

- c. Mansur Ali Khan Pataudi
  - d. Ajit Wadekar
- 

45. The traditional art of embroidery unique to the weavers of Lucknow is called \_\_\_\_\_ ( +1, -0.25)

- a. phulkari
  - b. kashidakari
  - c. chikankari
  - d. zardozi
- 

46. Which among the following nations are associated with the 1.9 km long Feni bridge? ( +1, -0.25)

- a. India and Bhutan
  - b. India and Nepal
  - c. India and Sri Lanka
  - d. India and Bangladesh
- 

47. Which of the following Fundamental Rights in the Constitution of India stresses on prohibition of forced labour? ( +1, -0.25)

- a. Right to Constitutional Remedies
- b. Right against Exploitation
- c. Copper

d. Right to Freedom

---

48. In which year did the Ministry of Labour and Employment formulate the first National Policy on Skill Development? (+1, -0.25)

- a. 2005
  - b. 2015
  - c. 2001
  - d. 2009
- 

49. Which of the following is NOT a right of the consumer under Consumer Protection Act 2019? (+1, -0.25)

- a. Right to choose
  - b. Right to be informed
  - c. Right to seek redressal
  - d. Right to work
- 

50. Gulf of Oman and Red Sea are part of the \_\_\_\_\_. (+1, -0.25)

- a. Pacific Ocean
- b. Indian Ocean
- c. Arctic Ocean
- d. Atlantic Ocean



## Elementary Mathematics

51. Find the value of  $2 \div \frac{1}{5} \text{ of } (4 + 4 \div 2) + [\frac{1}{2} \div \frac{25}{4} - 4]$  (+1, -0.25)

a.  $-\frac{119}{75}$

b.  $-\frac{161}{75}$

c.  $-\frac{169}{75}$

d.  $-\frac{419}{75}$

52. By selling an article at  $\frac{18}{25}$  of its actual selling price, a loss of 19% is incurred. What is the profit percentage on selling it at its actual selling price? (+1, -0.25)

a. 12%

b. 12.5%

c. 15.5%

d. 15%

53. The average age of a husband and his wife was 20 years at the time of their marriage. After 6 years, they have a 2-year old child. Find the present average age of the family. (+1, -0.25)

a. 15 years

b. 18 years

c. 16 years

d. 20 years

54. The average of 39% of A and 42% of B is equal to three-fifths of the difference of A and B. Find B as a percentage of A. (+1, -0.25)

- a. 50%
  - b. 75%
  - c. 25%
  - d. 150%
- 

55. Find the least number that should be added to 1014 such that the resulting number can be divided by 3, 4, 5 and 6, leaving no remainder. (+1, -0.25)

- a. 10
  - b. 6
  - c. 8
  - d. 54
- 

56. The compound interest on a certain sum at a rate of 12% per annum for 2 years is ₹ 1,590. The simple interest on the same sum for double the time period and at half the interest rate per annum is: (+1, -0.25)

- a. ₹ 1,500
  - b. ₹ 1,800
  - c. ₹ 1,600
  - d. ₹ 1,400
-

57. Two-thirds of half of three-eighths of a number is 40. What is 80% of that number? (+1, -0.25)
- a. 325
  - b. 428
  - c. 128
  - d. 256

58. The population of a town at the start of a year was 850000 . In the first year, there was a growth in the population at a rate of 12 per thousand, and in the next year, there was a decrease in the population at a rate of 1%. The population at the end of two years is: (+1, -0.25)
- a. 852348
  - b. 851598
  - c. 817546
  - d. 852015

59. The cost price of a book is ₹ 250. If the successive discounts offered on the book are 10%, 15% and 20%, then find the overall discount % of the book. (+1, -0.25)
- a. 38.8%
  - b. 32.5%
  - c. 29%

d. 35%

---

60. Suraj can complete a certain work in the same time in which Manoj and Rajesh together can complete it. If Rajesh can alone complete it in 28 days and Suraj and Manoj together can complete it in 14 days, then in how many days can Manoj alone complete it? (+1, -0.25)

a. 56

b. 42

c. 45

d. 60

---

61. By selling an article for ₹ 7,281, a man loses 10%. At what price (in ₹) should he sell it in order to make a profit of 10%? (+1, -0.25)

a. 8,090

b. 7,799

c. 8,899

d. 7,299

---

62. A person walked from a village to a hospital at a speed of 30 km/h and walked back at a speed of 2 km/h . If the whole journey took 4 h 36 min, find the distance of the hospital from the village. (+1, -0.25)

a.  $15\frac{1}{4}$  km

b.  $8\frac{5}{8}$  km

---

c.  $15\frac{3}{4}$  km

d.  $17\frac{3}{4}$  km

---

63. A rectangular park is 110 m long and 70 m wide. Two cross paths, each 6 m wide, are constructed parallel to the sides. If the cost of construction of these paths is ₹ 175/m<sup>2</sup> then what is the total cost (in ₹) of construction of these paths? (+1, -0.25)

a. 178250

b. 197200

c. 187520

d. 182700

---

64. If the ratio  $P : Q = 2 : 3$ , and  $Q : R = 3 : 4$  then the ratio  $P + Q : Q + R$  is: (+1, -0.25)

a. 5 : 7

b. 7 : 5

c. 7 : 9

d. 9 : 7

---

65. Rajesh buys a cycle for ₹ 1,400 and sells it at a loss of 40%. What is the selling price of the cycle? (+1, -0.25)

a. ₹ 1,344

b. ₹ 1,200

- c. ₹ 840
  - d. ₹ 1,220
- 

66. A sum of ₹ 18527 is divided between A, B and C such that the ratio of the shares of A and B is 4 : 7 and that of B and C is 5 : 6. What is the share of A (in ₹)? (+1, -0.25)

- a. 8022
  - b. 6685
  - c. 3820
  - d. 2865
- 

67. Two trains starting at the same time from two stations 300 km apart and going in opposite directions cross each other at a distance of 180 km from one of the stations. What is the ratio of their speeds? (+1, -0.25)

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

68. If the average of 5 consecutive odd integers in increasing order is 11 , then the average of the last 3 of them is: (+1, -0.25)

- a. 11
- b. 13

c. 9

d. 12

---

69. After two successive discounts, a pen with a list price of ₹ 175 is available at ₹ 129.15. If first discount is 10%, what is the second discount? (+1, -0.25)

a. 18%

b. 10%

c. 15%

d. 12%

---

70. Find the least number which should be added to 2495 so that the sum is exactly divisible by 6,4 and 3. (+1, -0.25)

a. 0

b. 1

c. 5

d. 3

---

71. A can complete a work in 25 days and B can complete it in 30 days. If they work on it together for 5 days, then the fraction of the work that is left will be: (+1, -0.25)

a.  $\frac{19}{30}$

b.  $\frac{21}{30}$

---



c.  $\frac{17}{20}$

d.  $\frac{30}{19}$

---

72. The value of  $(17 - 9) + (57 - 10 \div 5 \text{ of } 2) \div 4$  is: (+1, -0.25)

a. 12

b. 22

c. 23

d. 6

---

73. A sum of money is to be distributed among A, B, C and D in the ratio of 5 : 2 : 4 : 3. If A gets ₹ 1,000 more than D, what is C's share? (+1, -0.25)

a. ₹ 2,500

b. ₹ 500

c. ₹ 2,000

d. ₹ 1,000

---

74. The length, breadth and height of a box are in the ratio 4 : 3 : 2. If the length is increased by 50% and the height is decreased by 40%, then the ratio of the new volume to the old volume of the box will be: (+1, -0.25)

a. 3 : 2

b. 1 : 3

c. 11 : 8

d. 9 : 10

---

75. How much time will it take for a sum of ₹ 900 to yield ₹ 810 as interest at 5% per annum of simple interest? (+1, -0.25)

a. 15 years

b. 16 years

c. 10 years

d. 18 years

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## English

76. Select the option that can be used as a one-word substitute for the given group of words. (+1, -0.25)

A line at which the earth's surface and the sky appear to meet

- a. Equator
- b. Horizon
- c. Periphery
- d. Boundary

77. Select the most appropriate option to fill in the blank. (+1, -0.25)

He is always restless. He is never at \_\_\_\_\_ with himself.

- a. silence
- b. serenity
- c. peace
- d. freedom

78. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'. (+1, -0.25)

Unless they batted badly, they won the match.

- a. Although they batted badly
- b. No improvement required

- c. Since they batted badly
  - d. Until they batted badly
- 

79. Select the most appropriate meaning of the given idiom. (+1, -0.25)

To aim for the stars

- a. To set high goals
  - b. To see shooting stars
  - c. To be dizzy
  - d. To go into space
- 

80. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. (+1, -0.25)

I was / upset because / my mother was / angry on me.

- a. I was
  - b. angry on me
  - c. my mother was
  - d. upset because
- 

81. Select the INCORRECTLY spelt word. (+1, -0.25)

- a. Disturbance
- b. Compulsery

- c. Audience
  - d. Potential
- 

82. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

Progress

- a. Redress
  - b. Advance
  - c. Revise
  - d. Decline
- 

83. Select the most appropriate meaning of the given idiom. (+1, -0.25)

Wear and tear

- a. Damage caused by use
  - b. Refuse to use because of rip
  - c. Repair to be able to use
  - d. Destroy after using
- 

84. Select the most appropriate meaning of the given idiom. (+1, -0.25)

To do the dishes

- a. To wash and dry dishes
- b. To make a great effort

- c. To fulfil one's goal
  - d. To eat out in a restaurant
- 

85. Select the option that can be used as a one-word substitute for the given group of words. (+1, -0.25)

A group of stars which form a pattern and have a name

- a. Configuration
  - b. Constellation
  - c. Contortion
  - d. Condemnation
- 

86. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. (+1, -0.25)

Asha trusts only Bhaskar who is a friend of hers.

- a. that is a friend of hers
  - b. who are the friend of her
  - c. who is friend of her
  - d. No substitution required
- 

87. Select the most appropriate synonym of the given word. (+1, -0.25)

Secure (verb)

- a. Protect
  - b. Disjoin
  - c. Ignore
  - d. Forget
- 

88. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. (+1, -0.25)

Do you know why / a number of people / prefers to shop / online nowadays?

- a. a number of people
  - b. Do you know why
  - c. prefers to shop
  - d. online nowadays
- 

89. Select the correctly spelt word. (+1, -0.25)

- a. Coomittee
  - b. Commitee
  - c. Committee
  - d. Comiittee
- 

90. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. (+1, -0.25)

It doesn't matter whether they get the job or not.

- a. nor they get
  - b. if they don't
  - c. so they get
  - d. No improvement required
- 

91. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. (+1, -0.25)

It was thirty minutes past six / on a early March morning / when he went out / for a walk.

- a. It was thirty minutes past six
  - b. for a walk
  - c. on a early March morning
  - d. when he went out
- 

92. Select the most appropriate option to fill in the blank. (+1, -0.25)

Although I like cats, I cannot \_\_\_\_\_ one as a pet.

- a. apply
  - b. avoid
  - c. adopt
  - d. agree
-



93. Select the most appropriate synonym of the given word.

(+1, -0.25)

Assist

- a. Pardon
- b. Check
- c. Delay
- d. Aid

94. Select the most appropriate ANTONYM of the given word.

(+1, -0.25)

PECULIAR

- a. Curious
- b. Normal
- c. Unusual
- d. Odd

95. Select the most appropriate option to fill in the blank.

(+1, -0.25)

He is an/a\_\_\_\_\_ reader of mystery books.

- a. fragile
- b. agile
- c. alert
- d. avid

96. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

Python snake, also known as Ajgar, is one of the most (1) \_\_\_\_\_ built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) \_\_\_\_\_ on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

Select the most appropriate option to fill in blank no.1.

- a. massively
- b. heartily
- c. generously
- d. boldly

97. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

Python snake, also known as Ajgar, is one of the most (1) \_\_\_\_\_ built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) \_\_\_\_\_ on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

Select the most appropriate option to fill in blank no. 2.

- a. correspondent
- b. intermittent
- c. dependent
- d. inconsistent

98. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

Python snake, also known as Ajar, is one of the most (1) \_\_\_\_\_ built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) \_\_\_\_\_ on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

Select the most appropriate option to fill in blank no. 3.

- a. fatigue
- b. mystique
- c. unique
- d. critique

99. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

Python snake, also known as Ajar, is one of the most (1) \_\_\_\_\_ built snakes of the Indian subcontinent. It belongs to the Boidae family and is

(2) \_\_\_\_\_ on water to quite an extent. One of the  
(3) \_\_\_\_\_ features of the Rock pythons of India is that they can  
raise their body temperature above the ambient level (4) \_\_\_\_\_  
muscular contractions. Rock python is a (5) \_\_\_\_\_ creature,  
moving only while hunting or when threatened.

Select the most appropriate option to fill in blank no. 4.

- a. through
- b. among
- c. between
- d. near

---

100. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+1, -0.25)

Python snake, also known as Ajgar, is one of the most (1) \_\_\_\_\_ built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) \_\_\_\_\_ on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

Select the most appropriate option to fill in blank no. 5.

- a. antic
- b. classic
- c. lethargic
- d. exotic

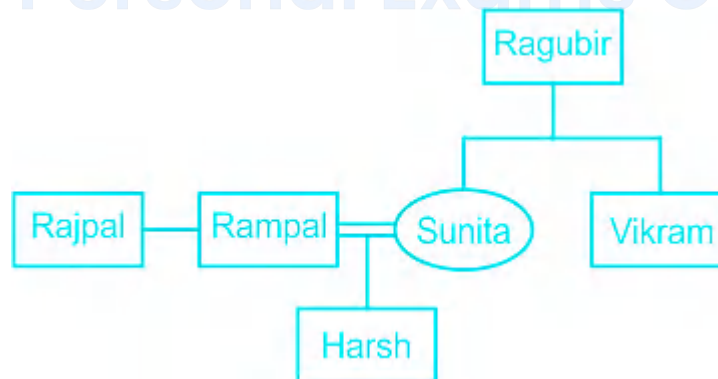
## Answers

1. Answer: d

### Explanation:

By using the symbols in the table given below, we can draw the following family tree:

Symbol in Diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of a Generation



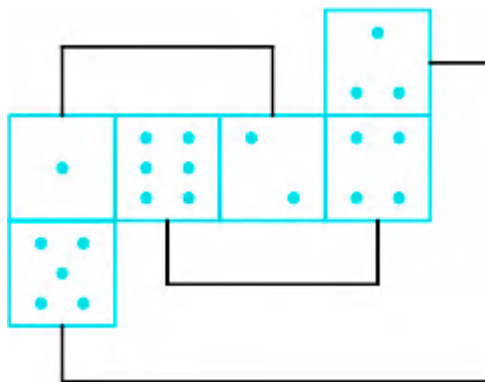
Clearly, Rampal is the father of Harsh.

Hence, ' **Father** ' is the correct answer.

2. Answer: d

Explanation:

The faces opposite to each other are shown below:



⇒ As the alternate positions becomes opposite to each other and the remaining two faces becomes opposite to each other.

So, opposite pairs are:

- One dot → Two dots
- Three dots → Five dots
- Four dots → Six dots

Therefore,

- Option(1) →



- Five dots faces three dots, so it does not face four dots
- Option(2) →



- One dot faces two dots , so it does not face four dots
- Option(3) →





- Three dots faces five dots, so it does face four dots
- Option (4) →



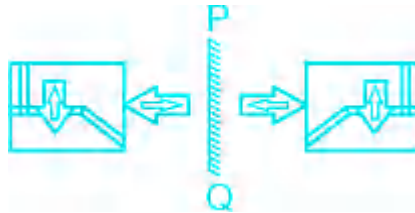
- Six dots faces four dots

Hence, "Option - (4)" is the correct answer.

3. Answer: b

Explanation:

The correct mirror image of the given combination when mirror is placed at PQ is as shown below:

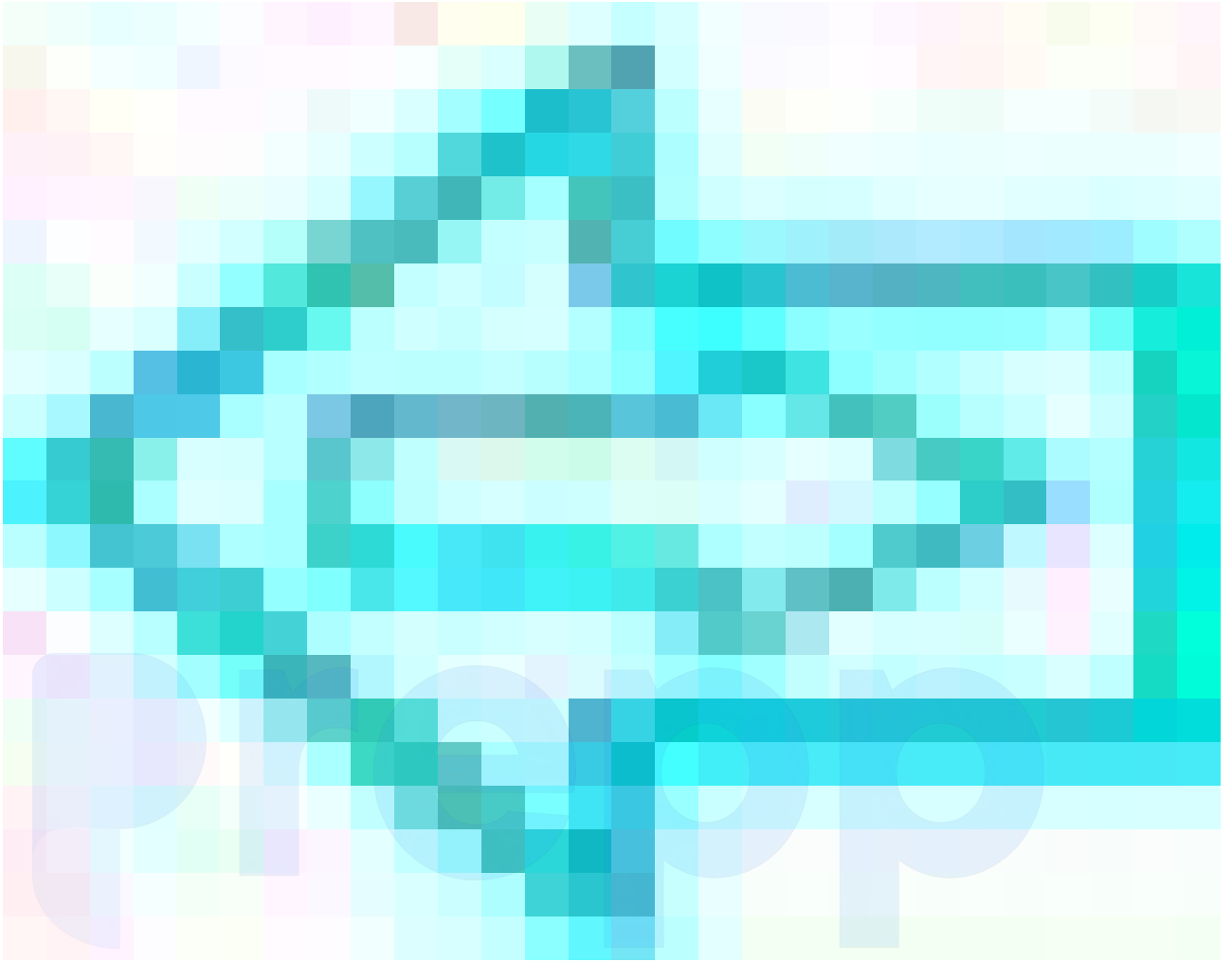


Detailed Explanation:

- The line PQ is the mirror
- The arrow outside the box ' ' is on the right side of the box but should be on the left side of the box ⇒ Option 1 is eliminated.

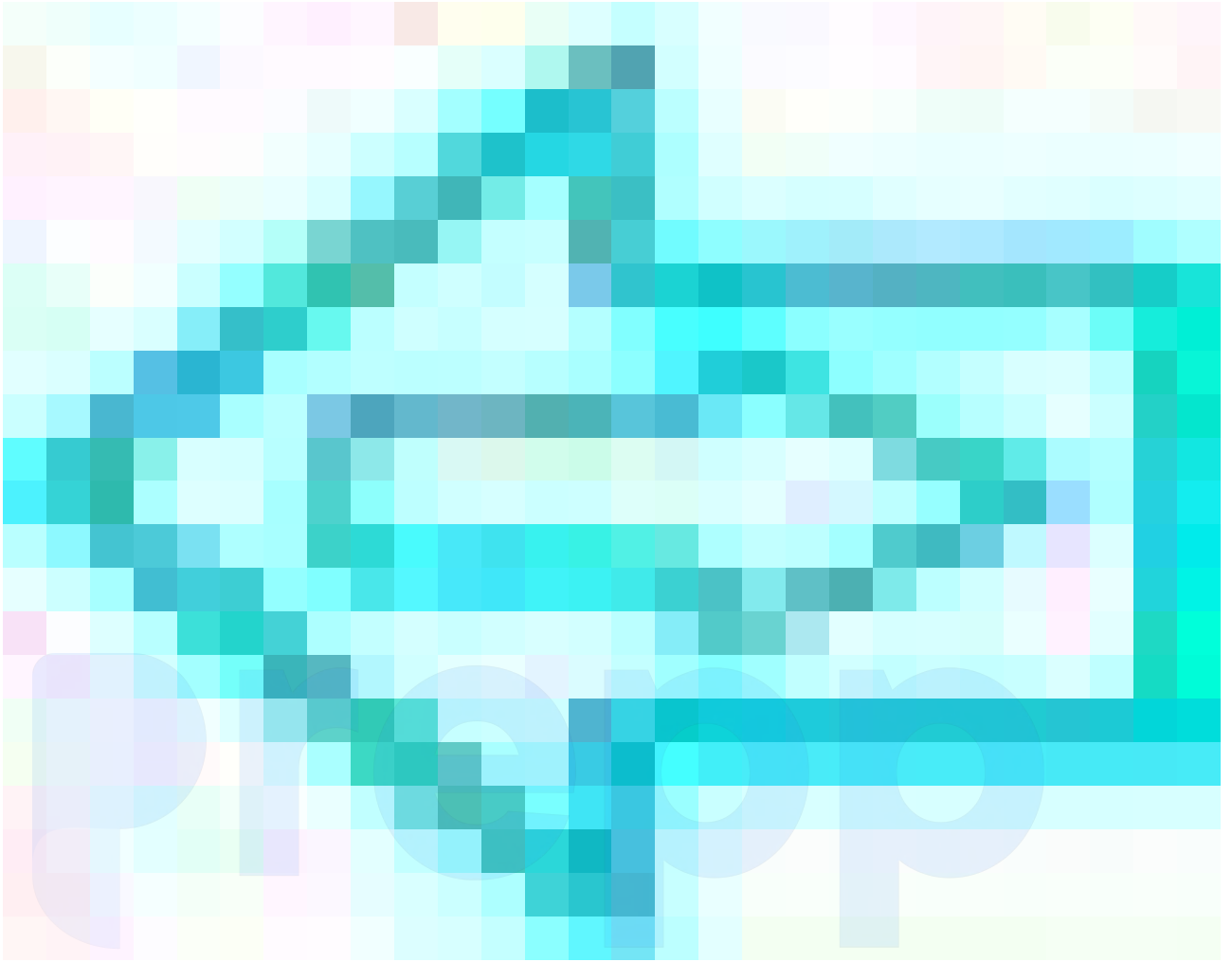


- The arrow outside the box ' ' is on the right side of the box but should be on the left side of the box ⇒ Option 1 is eliminated.



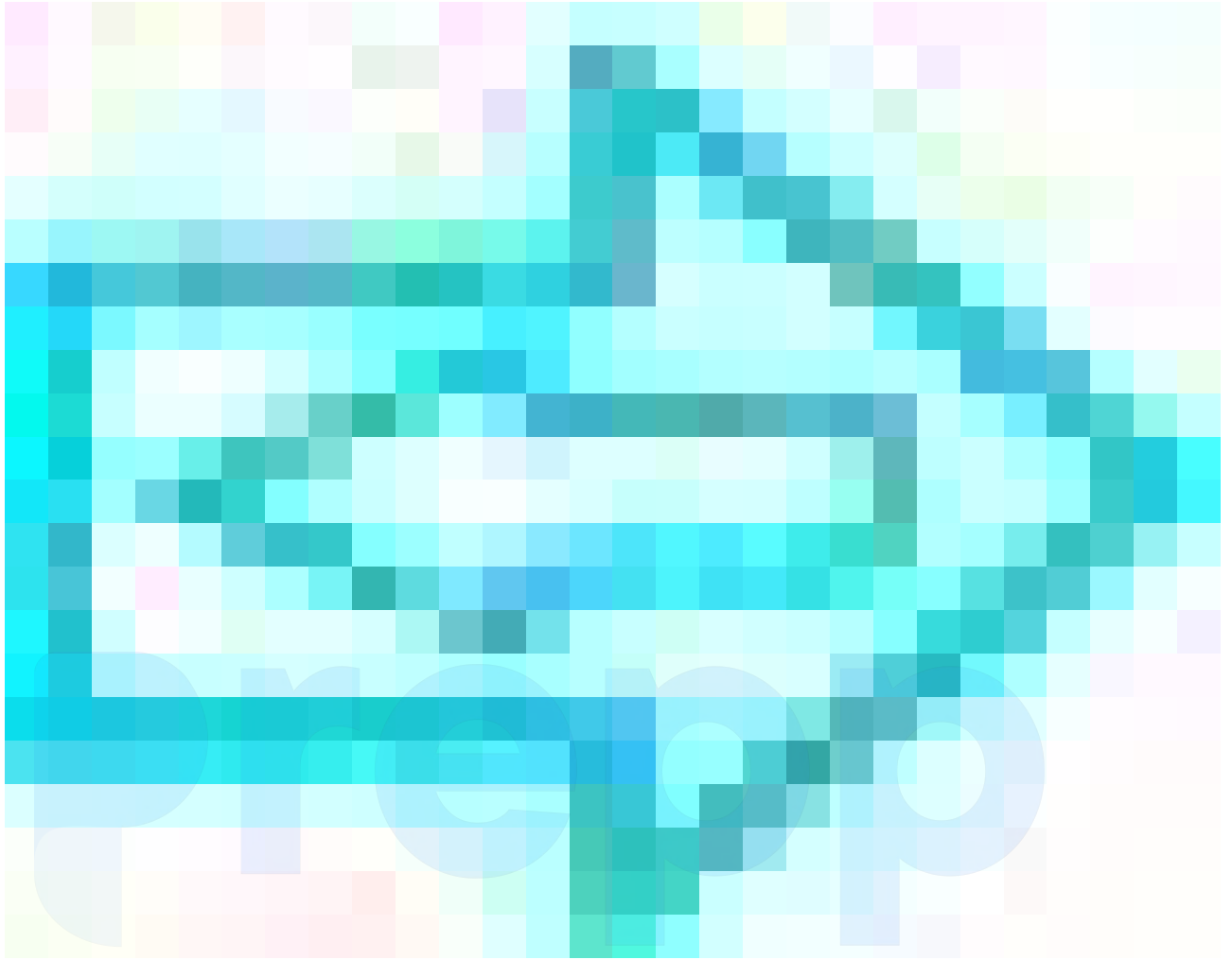
'is same as in the original figure '

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'but should be'

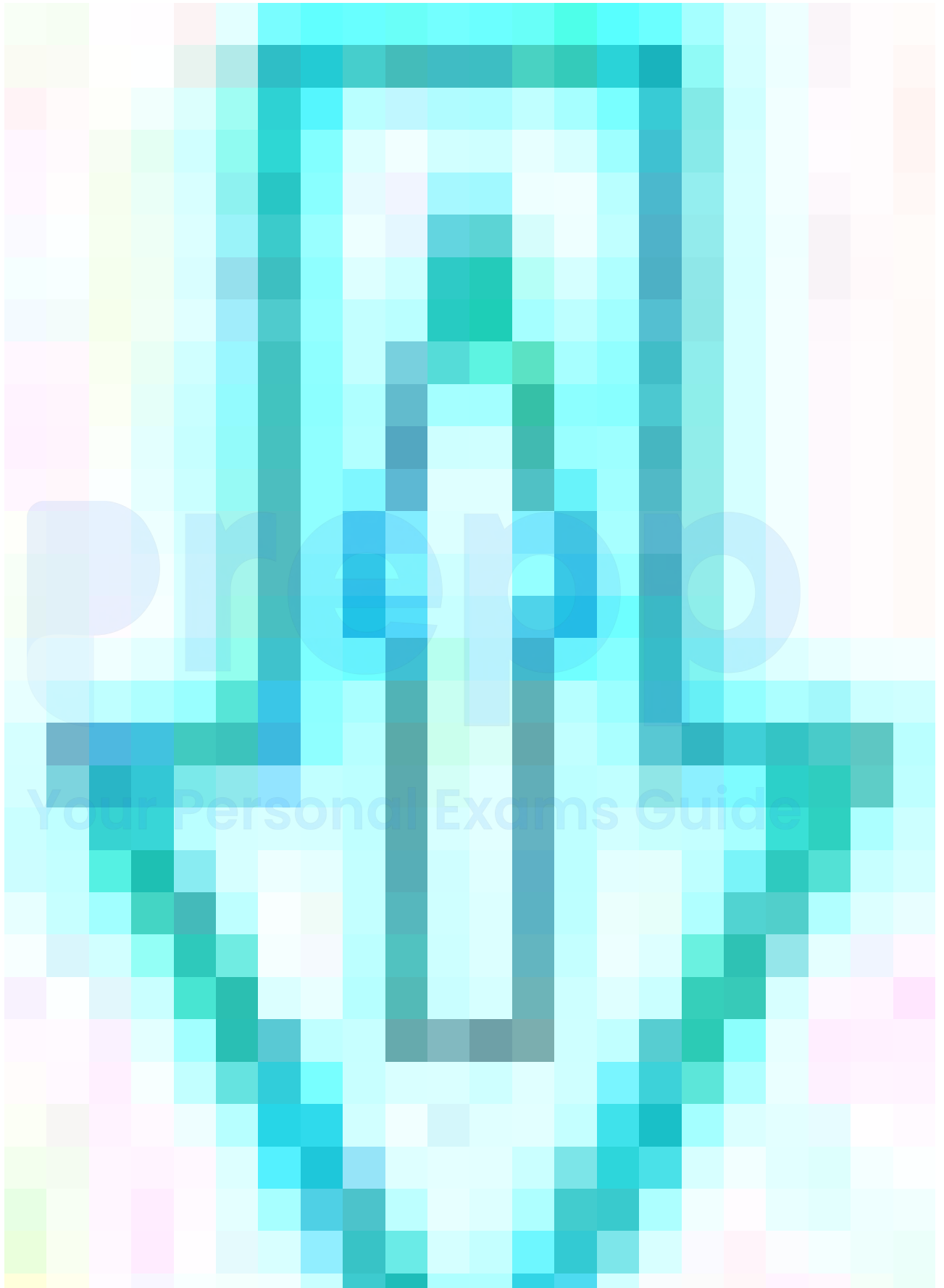
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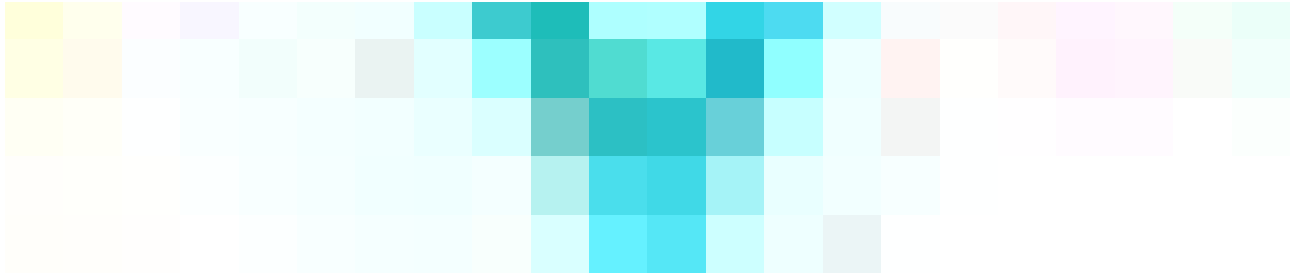


' ⇒ Option 3 is eliminated..

- The arrow inside the box '

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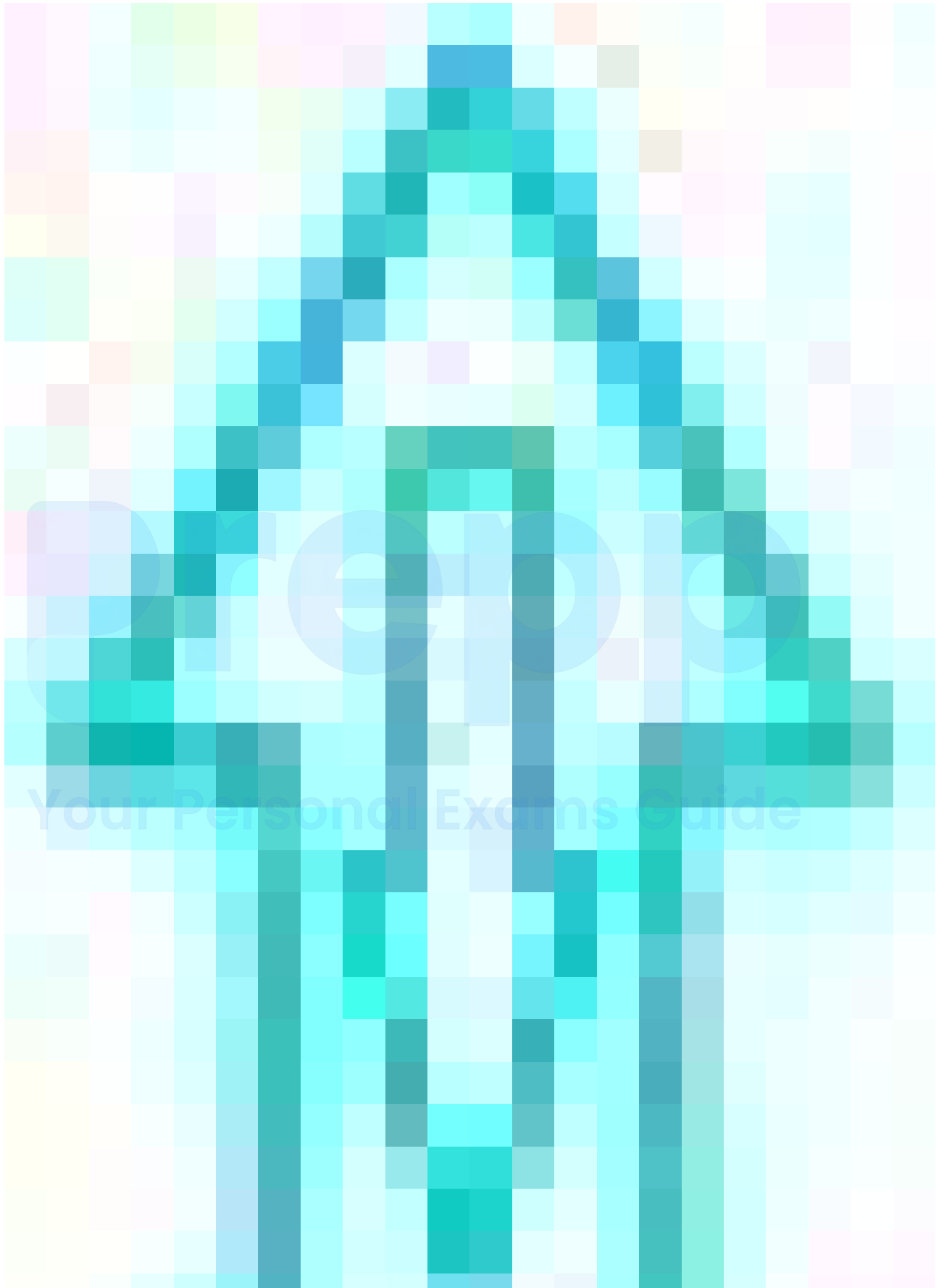


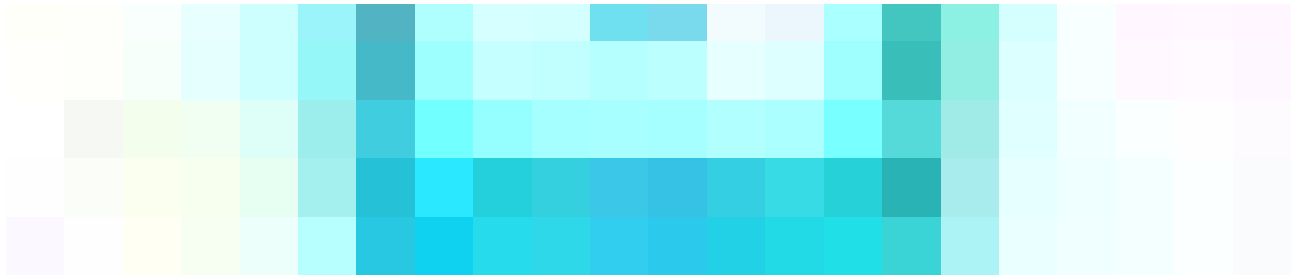
'is upside down'

# prepp

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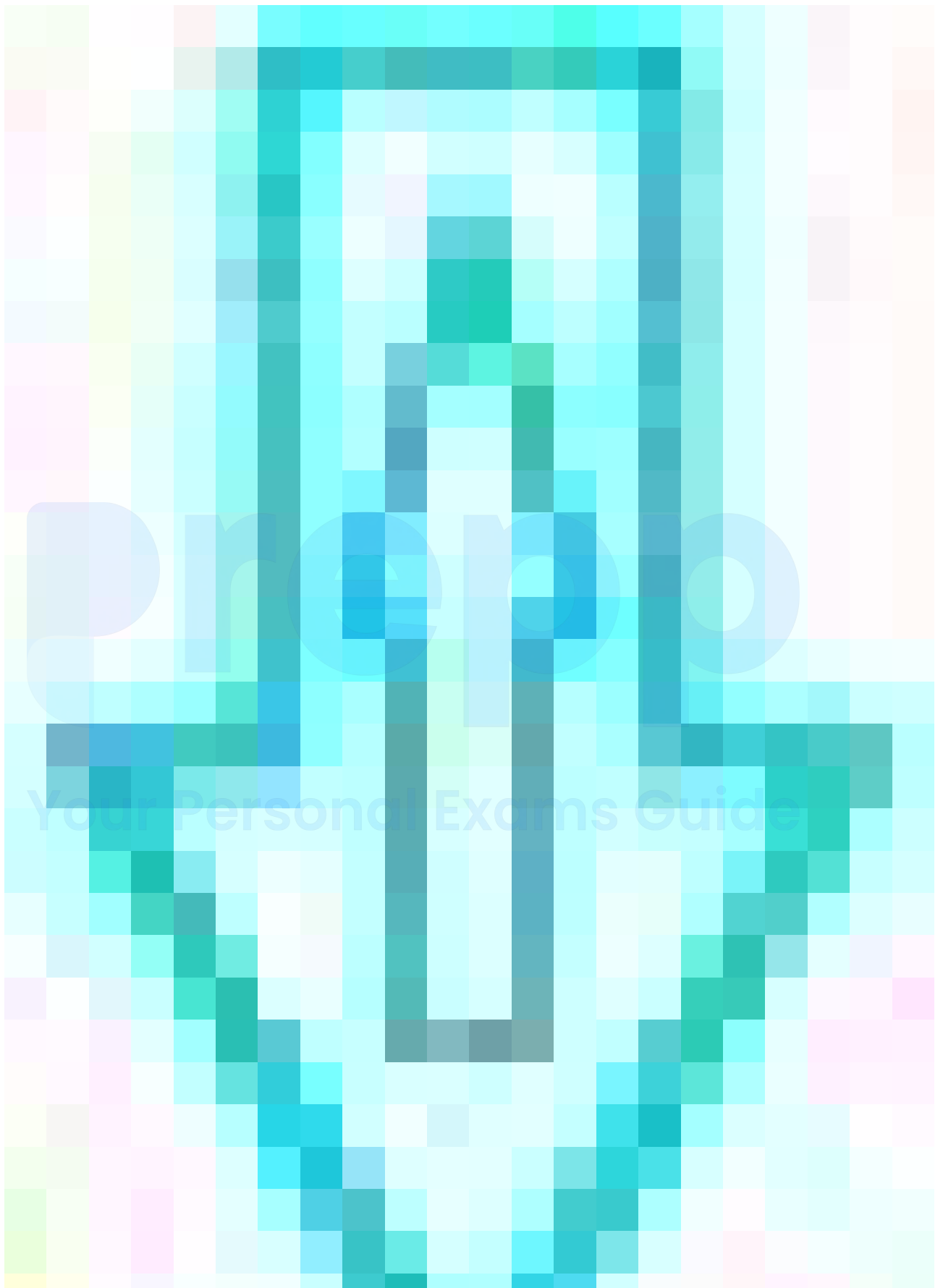


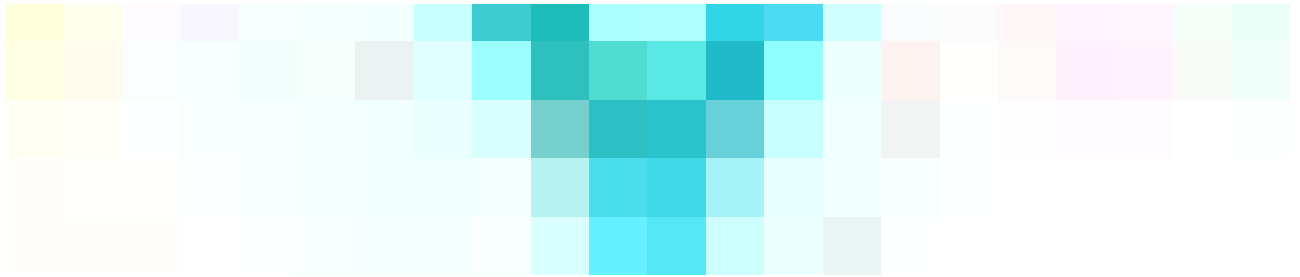


'but should be same as in the original figure i.e '

# prepp

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'⇒ Option 4 is eliminated.

Hence, the correct answer is "Option - (2)".

**4. Answer: c**

**Explanation:**

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is:

Second and fifth letters of the word are coded according to the equivalent opposite letter of a particular letter of the word.

- 



Similarly,

- 

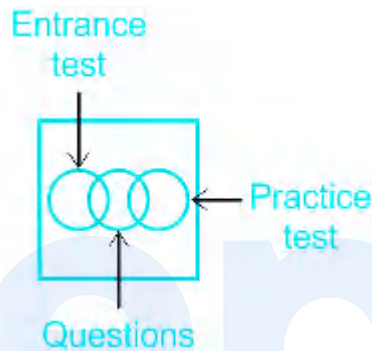


Hence, 'DLGJVR' is the correct answer.

5. Answer: d

Explanation:

The Venn diagram that best represents the relationship between Entrance test, Questions, and Practice test is shown below:



Both Entrance Test and Practice Test are made up of a number of different questions. Hence, 'option 4' is the correct answer.

6. Answer: d

Explanation:

Explanation :

- Number of persons - 6 i.e Gopi, Sheela, Ravali, Sarayu, Hina and Giri
- They are standing in a row facing to the north.

1) Hina is third from the back of the row



2) There are two persons between Sheela and Hina



3) Only one person is standing ahead of Gopi



4) Giri is between Gopi and Hina.



5) Ravali is between Hina and Sarayu.



Thus , from the final arrangement Gopi and Giri are the two persons who are standing between Sheela and Hina.

Hence, **"Gopi and Giri"** is the correct answer.

**7. Answer: d**

**Explanation:**

The image embedded in given figure is as shown below:

No.	Option	Question	Answer
1.			Not Embedded
2.			Not Embedded
3.			Not Embedded
4.			Embedded

Hence, ' option 4 ' is the correct answer.

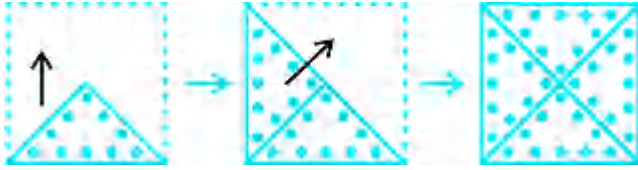
**8. Answer: c**

**Explanation:**

According to given figure:

The figure will appear when it is opened as follows:





Hence, "Option - (3)" is the correct answer.

9. Answer: d

Explanation:

According to the sequence in the dictionary.

4. Stuffy

2. Stumble

1. Stumpy

5. Stung

3. Stupor

Hence, the correct answer is " 4 ,2, 1, 5, 3 ".

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10. Answer: d

Explanation:

The logic followed here is:

- 'Resistance' is related to 'Ohm' → Ohm is the SI unit of Resistance.

Similarly,

- 'Force' is related to '\_\_\_\_\_ ' → Newton is the SI unit of Force.

Hence, ' **Newton** ' is the correct answer.

11. Answer: d

**Explanation:**

The logic followed here is:

**Column-wise Logic: 2 (2nd Number - 1st Number) = 3rd Number - 2nd Number**

Column 1:

$$2 \times (5 - 4) = 7 - 5$$

$$\Rightarrow 2 \times 1 = 2$$

Column 2:

$$2 \times (13 - 10) = 19 - 13$$

$$\Rightarrow 2 \times 3 = 6$$

Similarly,

Column 3:

$$2 \times (13 - 9) = ? - 13$$

$$\Rightarrow 2 \times 4 = ? - 13$$

$$\Rightarrow 8 = ? - 13$$

$$\Rightarrow 8 + 13 = ?$$

$$\Rightarrow 21 = ?$$

Hence, '21' is the correct answer.

---

12. Answer: d

**Explanation:**

The logic followed here is:

**Logic:** First Number  $\times$  2 + Second Number - (Second Number  $\div$  2) = Third Number

- $5 + 8 = 14 \rightarrow 5 \times 2 + 8 - (8 \div 2) = 10 + 8 - 4 = 18 - 4 = 14$
- $9 + 6 = 21 \rightarrow 9 \times 2 + 6 - (6 \div 2) = 18 + 6 - 3 = 24 - 3 = 21$
- $4 + 10 = 13 \rightarrow 4 \times 2 + 10 - (10 \div 2) = 8 + 10 - 5 = 18 - 5 = 13$

Similarly,

- $7 + 2 = ? \rightarrow 7 \times 2 + 2 - (2 \div 2) = 14 + 2 - 1 = 16 - 1 = 15$

Hence, '15' is the correct answer.

**13. Answer: a**

**Explanation:**

Explanation :

- Number of person = 6
- They are sitting in a row facing north.

1) Mehar is sitting at the west end.



2) One person is sitting between Gaurav and Mehar.



3) Nidhi is sitting to the left of only Sia.



4) Two persons are sitting between Ansh and Nidhi - After positioning Ansh there is only position left which will be occupied by the only person left i.e Rakshit.



5) Rakshit is sitting towards the right of Ansh - This condition is automatically fulfilled according to the previous condition.

Thus, according to the final arrangement Rakshit is sitting at the third place from the east end.

Hence, "Rakshit" is the correct answer.

14. Answer: d

Explanation:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is:

1. JKUS → J + 1 = K; K + 10 = U; U - 2 = S
2. LMWU → L + 1 = M; M + 10 = W; W - 2 = U
3. DEOM → D + 1 = E; E + 10 = O; O - 2 = M
4. PQZY → P + 1 = Q; Q + 10 = A; A - 2 = Y

Hence, ' PQZY ' is the odd one out.

15. Answer: d

Explanation:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic :

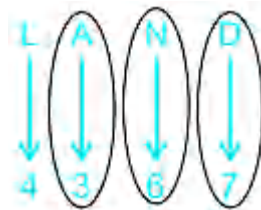
- Random digits have been assigned to each letter.

So,

- TAILOR is coded as 538490



- LAND is coded as 4367



Similarly,

- DRAIN is coded as : As the letter 'A' is repeated in both words TAILOR and LAND, which is coded as '3'. Therefore rest of the letter's code will be same encircled above.



Hence, "70386" is the correct answer.

16. Answer: d

Explanation:

The logic followed here is:



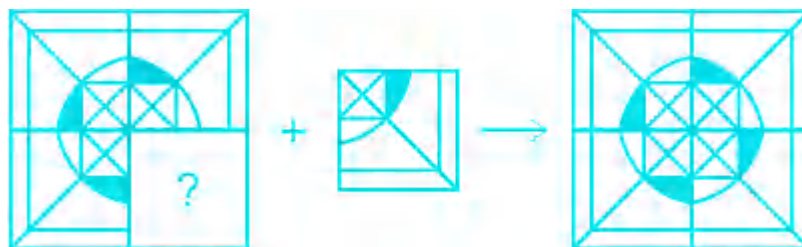
Hence, ' 29 ' is the correct answer.

17. Answer: c

Explanation:

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The figure from among the given options that can replace the question mark (?) in the following figure and complete the pattern is shown below:



Hence, ' option 3 ' is the correct answer.

18. Answer: b

Explanation:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic :

- In first three letters of the word - (1)
- In last three letter of the word + (1)

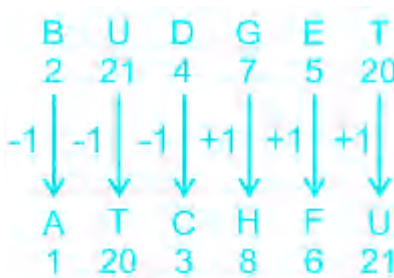
So,

- PRINCE is coded as :



Similarly,

- BUDGET is coded as :



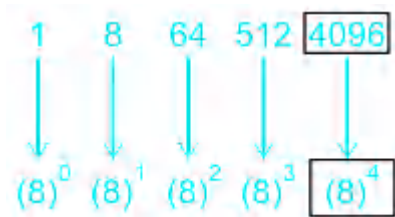
Hence, "ATCHFU" is the correct answer.



19. Answer: c

Explanation:

The logic followed here is :



Hence, "4096" is the correct answer.

20. Answer: b

Explanation:

The logic followed here is :

- Square of the first number = Second number

So,

- 15 : 225

$$\Rightarrow (15)^2 = 225$$

$$\Rightarrow 225 = 225 \text{ (LHS = RHS)}$$

Similarly,

- 24 : ?

$$\Rightarrow (24)^2 = 576$$

Hence, "576" is the correct answer.



21. Answer: b

**Explanation:**

Given sequence: S O \_ \_ T A S \_ \_ A T A \_ \_ N A T \_ \_ O N A \_ \_

1. NAONSOTASA → S O **NA** T A - S O **N** A T A - S O **N** A T T - A O N A S A
2. NAONSOASTA → S O **N** A T A - S O **N** A T A - S O **N** A T A - S O N A T A
3. NAONSOSATA → S O **N** A T A - S O **N** A T A - S O N A T **S** - A O N A T A
4. NAONSOASON → S O **NA** T A - S O **N** A T A - S O N A T A - S O N A O N

- In option 2, SONATA is repeated.

Hence, ' NAONSOASTA ' is the correct answer.

22. Answer: c

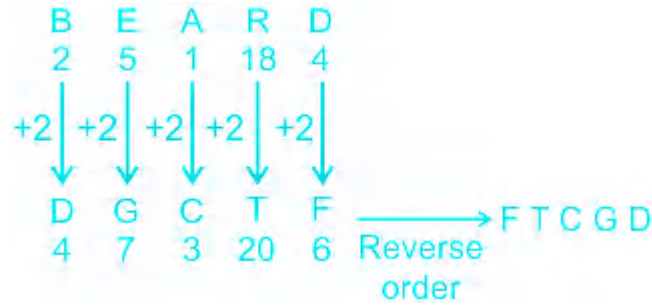
**Explanation:**

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic : Each letter's position value + (2) , then reverse the order.

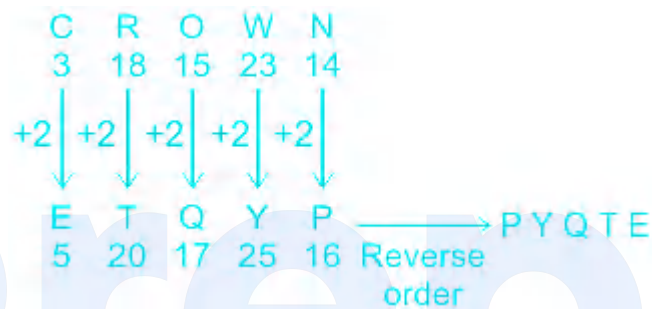
So,

- BEARD is coded as :



Similarly,

- CROWN is coded as :



Hence, "PYQTE" is the correct answer.

23. Answer: b

Explanation: Your Personal Exams Guide

The least possible Venn diagram is:



Conclusions:

- I. No tumbler is a spoon. → Do not follow (As, there is no definite relation between tumbler and spoon, hence false)
- II. No plate is a spoon. → Do not follow (As, Some spoons are plates)
- III. Some tumblers are spoons. → Do not follow (As, there is no definite relation between tumbler and spoon, hence false)

Conclusion I and III are complementary to each other, so either conclusion I or III is true.

Hence, **Either conclusion I or conclusion III follows .**

**24. Answer: b**

**Explanation:**

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़े (+)
S	Subtraction (-)	घटाव (-)

According to the question,

Symbol	N	T	M	A	R
Meaning	×	-	÷	=	+

So,

1)  $36M18N36R18T36A58$

$\Rightarrow 36 \div 18 \times 36 + 18 - 36 = 58$

$\Rightarrow 2 \times 36 + 18 - 36 = 58$

$\Rightarrow 72 + 18 - 36 = 58$

$\Rightarrow 90 - 36 = 58$

$$\Rightarrow 54 \neq 58 \text{ (LHS} \neq \text{RHS)}$$

2)  $36M18N36R18T36A54$

$$\Rightarrow \underline{36 \div 18} \times 36 + 18 - 36 = 54$$

$$\Rightarrow \underline{2 \times 36} + 18 - 36 = 54$$

$$\Rightarrow \underline{72 + 18} - 36 = 54$$

$$\Rightarrow \underline{90 - 36} = 54$$

$$\Rightarrow 54 = 54 \text{ (LHS} = \text{RHS)}$$

3)  $36N18R36M18T36A54$

$$\Rightarrow 36 \times 18 + \underline{36 \div 18} - 36 = 54$$

$$\Rightarrow \underline{36 \times 18} + 2 - 36 = 54$$

$$\Rightarrow \underline{648 + 2} - 36 = 54$$

$$\Rightarrow \underline{650 - 36} = 54$$

$$\Rightarrow 614 \neq 54 \text{ (LHS} \neq \text{RHS)}$$

4)  $36A18T36N18R36M54$

$$\Rightarrow 36 = 18 - 36 \times 18 + \underline{36 \div 54}$$

$$\Rightarrow 36 = 18 - \underline{36 \times 18} + 0.67$$

$$\Rightarrow 36 = 18 - \underline{648} + 0.67$$

$$\Rightarrow 36 = \underline{18 - 647.33}$$

$$\Rightarrow 36 \neq -629.33 \text{ (LHS} \neq \text{RHS)}$$

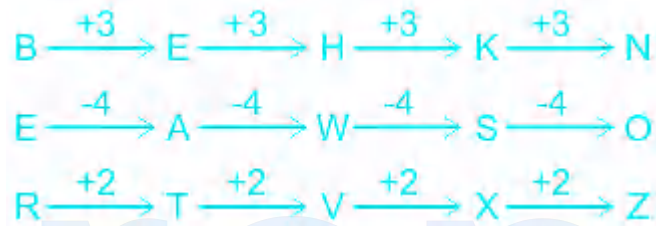
Hence, "Option - (2)" is the correct answer.

25. Answer: b

**Explanation:**

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is:



Hence, 'KSX' is the correct answer.

26. Answer: c

**Explanation:**

The correct answer is Schizophrenia.

★ Key Points

- Schizophrenia is a disorder that affects a **person's ability to think, feel and behave clearly** .
- It is a disorder in which people **interpret reality abnormally** .
- It causes **psychosis** and may affect all areas of life including personal, family and social.
- Its symptoms are the person may **hear, smell, see, touch, or feel things that are not present** .
- It may affect speech, restricted experience and expression of emotions.

- There is **no cure** for it but treatment with **medications and psychosocial therapy can help** manage the condition.

★ Additional Information

Disease	Causes
Atherosclerosis	It is a cardiovascular disease caused by the <b>thickening or hardening of the arteries</b>
Ascariasis	It is an infection caused by a <b>Roundworm</b> .
Taeniasis	It is an infection caused by <b>Tapeworm</b>

27. Answer: d

Explanation:

The correct answer is Saurabh Lodha.

★ Key Points

- Saurabh Lodha is a **professor at IIT Bombay** .
- He is from **Electrical engineering** .
- The Award was given by the **Department of Science and Technology (DST), Govt. of India** for his contribution to the development of **logic transistor technologies** .
- The technologies were based on **silicon and nanoelectronic devices** based on **two-dimensional Van der Waals materials** .
- This invention helps to perform tasks faster and consumes less power from electronic devices.

★ Additional Information

- The Department of Science and Technology (DST) is a department within the **Ministry of Science and Technology in India** .
- It was founded in the year **1971** .

- Its headquarter is in **New Delhi** .
- As of August 2022, **Dr Srivari Chandrasekhar** is the Secretary of DST.

28. Answer: b

**Explanation:**

The correct answer is Arunachal Pradesh.

★ Key Points

- The Census is the **collecting, compiling, analyzing and disseminating of demographic, economic and social data on basis of population** .
- It is conducted by the **Office of the Registrar General and Census Commissioner, Ministry of Home Affairs** .
- Its significance is in providing **administration, planning, demarcation of constituency and policy-making to the government** .
- According to the census of 2011, Arunachal Pradesh has the lowest population density in India.
- Arunachal Pradesh has a population density of **17 persons per sq km** as per the census 2011.

★ Additional Information

- Population density is the **number of people per square km in a geographical area** .
- 1st census was conducted in **1872 by Viceroy Lord Mayo**.
- Census 2021 was **postponed** owing to the **outbreak of the Covid-19 pandemic** .

★ Important Points

As per the 2011 census

- **Bihar** has the **highest population density** in India.
- **Uttar Pradesh** is the **highest populous state** .
- **Sikkim** is the **less populous state** .
- **Kerala** has the **highest sex ratio** and **Haryana** with **lowest sex ratio** .



29. Answer: d

**Explanation:**

The correct answer is Virat Kohli.

★ Key Points

- Virat Kohli was born on **5 November 1988** in Delhi .
- He made his international debut on **18 August 2008** against Sri Lanka .
- He also captained the India **Under-19 Cricket World Cup-winning team** .
- As of November 2020, he has become the fastest batsman to reach 22,000 International runs in 462 innings.
- He surpassed **Sachin Tendulkar, Brian Lara, and Ricky Ponting** who took 493, 511, and 514 innings to score 22,000 runs.
- He has won **Arjuna Award (2013), Padma Shri (2017) and Rajiv Gandhi Khel Ratna Award (2018)** .

★ Additional Information

- As of September 2021, Virat Kohli also became the fastest cricketer to reach **23000 international runs in 490 innings** .
- His international awards - the Sir Garfield Sobers Trophy (ICC Men's Cricketer of the Decade) in 2011–2020, Sir Garfield Sobers Trophy (ICC Cricketer of the Year) in 2017 and ICC ODI Player of the Year in 2012 and 2018.
- As of August 2022, he became become **the first Indian and the second player** overall in international cricket history to have played **100 matches each in all three formats of the game** .

★ Important Points



Player	Awards
Ishant Sharma	Arjuna Award for Cricket 2020
Rohit Sharma	Arjuna Award for Cricket, 2015 and Major Dhyan Chand Khel Ratna Award for Cricket, 2020

30. Answer: a

Explanation:

The correct answer is 1510.

★ Key Points

- Conquest of Goa by the Portuguese
  - With the aid of Krishnadev Raya (ruler of the Vijaynagar empire), Afonso de Albuquerque defeated Ismail Adil Shah , the Sultan of Bijapur, and captured Goa in 1510 AD .
  - He is also credited with ending the Sati tradition in Goa.
  - Goa was officially taken over by the Portuguese and Albuquerque on February 17, 1510 , with no resistance
  - Under penalty of death , Albuquerque reaffirmed that the city was not to be taken over and that its citizens were not to be injured.
  - Timoji's intelligence of the enemy's preparations was confirmed when the Portuguese discovered more than 100 horses belonging to the ruler of Bijapur, 25 elephants, and partially finished new ships within the city .
  - Goa served as the principal Portuguese base in the East for four and a half centuries and eventually became the capital of the Portuguese East Indies and Portuguese Indian territories .

★ Additional Information

- History of Goa

- Despite being the geographically smallest state in India, Goa has a lengthy and varied history .
- With regard to colonial influences and a multicultural aesthetic , it has many similarities to Indian history.
- During the Iron Age , Goa was governed by the Mauryan and Satavahana Empires .
- The Kadamba dynasty, the Vijayanagara Empire, the Bahmani Sultanate, and the Bijapur Sultanate all ruled over Goa during the Middle Ages.
- After a 36-hour fight, India conquered Goa in 1961 and seized it.
- In 1987 , Goa received statehood as a result of the Konkani language agitation.
- Among the Indian states, Goa has one of the highest Human Development Index and GDP per capita .

31. Answer: a

Explanation:

The correct answer is India.

★ Key Points

- World Malaria Report 2020 is released by the **World Health Organization** .
- It gives the estimated cases of malaria across the world, based on **mathematical projections** .
- India has made considerable progress in reducing malaria and is the **only high endemic country** which has reported a **decline of 17.6% in 2019** .
- There is a reduction in **malaria morbidity by 83.34% in India** .
- There is the **largest drop** in cases of malaria **region-wide in India** .

★ Additional Information

About Malaria

- It is caused by a **parasite** that is transmitted to people through the bites of infected **female Anopheles mosquitoes** .

- It is a single-celled parasite named the **genus Plasmodium** .
- Common symptoms of malaria are **chills, fever and sweating** .

★ Important Points

About WHO

- It was founded in **1948** .
- It is one of the **United Nation specialized agencies** for Health.
- Its headquarter is in **Geneva, Switzerland** .
- Its objective is to act as the directing and coordinating authority on international health work.

32. Answer: a

Explanation:

The correct answer is Gopal Krishna Gokhale.

★ Key Points

- **Gopal Krishna Gokhale was a great social reformer and educationist who provided exemplary leadership to India's freedom movement.**
- Gopal Krishna Gokhale worked towards social empowerment, expansion of education, and struggle for freedom in India for three decades and rejected the use of reactionary or revolutionary ways.
- Between **1899 and 1902** ,Gopal Krishna Gokhale was a member of the **Bombay Legislative Council** followed by work at the Imperial Legislative Council from **1902 to 1915** .
- At the Imperial legislature, Gokhale played a key role in framing the **Morley-Minto reforms of 1909** .
- Gopal Krishna Gokhale was associated with the **Moderate Group of the Indian National Congress (joined in 1889)** .
- Gopal Krishna Gokhale was also associated with the **Sarvajanik Sabha journal started** by Govind Ranade.
- In 1908, Gokhale founded the Ranade Institute of Economics.

- Gopal Krishna Gokhale started an **English weekly newspaper, The Hitavada** (The people's paper).
- Gopal Krishna Gokhale became **president of INC in 1905 in the Banaras session** .
- **Bal Gangadhar Tilak** called Gopal Krishna Gokhale the **diamond of India** .
- Gokhale was the **political guru of Mahatma Gandhi** .

### ★ Additional Information

- **Bipin Chandra Pal(1858-1932)** .
  - Bipin Chandra Pal was the main **architect of the Swadeshi Movement** .
  - He stood against The **Partition of Bengal** .
  - He was known as the “ **Father of Revolutionary Thoughts** ”
  - He worked with **Lala Lajpat Rai and Bal Gangadhar Tilak** Hence known as “**Lal-Bal-Pal** .
  - He was also known as **Bengal Tiger** .
  - He preached the use of Swadeshi and the Boycott of foreign goods to eradicate poverty.
- **Bal Gangadhar Tilak(1856-1920)** .
  - Bal Gangadhar Tilak raised the slogan, “ **Swaraj is my birthright and I shall have it!**”.
  - The word **Swarajya** was first coined by Bal Gangadhar Tilak.
  - He was also known as **Lokmanya Tilak** .
  - He established a prominent organization **Deccan Education Society** to promote **modern learning** .
  - He also established **Fergusson College in Pune** .
  - He along with Annie Besant played an important role during **Home Rule Movement(1916-18)** .
  - **Kesari and Mahratta** were the two newspapers started by; Bal Gangadhar Tilak.
- **Lala Lajpat Rai(1865-1928)** .
  - He was **born in Punjab**, Also known by ‘**Punjab Kesari**’ .
  - He was influenced by **Swami Dayananda Saraswati** and joined the **Arya Samaj in Lahore** .
  - Along with Bipin Chandra Pal and Bal Gangadhar Tilak, he formed the Lal-Bal-Pal trio of extremist leaders.

- He Fought against **untouchability** .
- Lala Lajpat Rai Founded the **Servants of People Society** in 1921 .
- Lala Lajpat Rai Founded **Arya Gazette** .
- Lala Lajpat Rai founded the **Home Rule League of America** in 1917 in New York .
- **Mahatma Gandhi(1869-1948)** .
  - **Mahatma Gandhi**, by name of **Mohandas Karamchand Gandhi**, (was born on **October 2, 1869**, in **Porbandar, India**).
  - Mahatma Gandhi was an Indian **lawyer, politician, social activist, and writer** who became the leader of the nationalist movement against the British rule of India.
  - Mahatma Gandhi came to be considered the **father of India** .
  - Mahatma Gandhi was known for his **non-violence protest** and was a leading figure in freedom movements.
  - Mahatma Gandhi's important movements, **Champaran Satyagraha (1917)**, **Non-Cooperation Movement (1920)**, **Civil-Disobedience Movement (1930)**, and **Quit India Movement (1942)** .

33. Answer: c

### Explanation:

The correct answer is 1980.

### ★ Key Points

- Bharatiya Janta Party was founded by **Atal Bihari Vajpayee** and **Lal Krishna Advani** in 1980 .
- It succeeded the **Bhartiya Jan Sangh** which was formed by **Shyama Prasad Mukherjee** in 1951 .
- Its aim is to build a strong and modern India by **drawing inspiration from ancient culture and values** .
- They believe in the ideas of **Deen Dayal Upadhyay** of integral humanism and **Antyodaya** .
- It promotes **cultural nationalism** (or 'Hindutva') .

- Party's goal is to full territorial and political **integration of Jammu and Kashmir** with India, a **uniform civil code** and a **ban on religious conversions** .
- It has a symbol of the **Lotus** .
- As of August 2022, it is the ruling party in India with **Narendra Modi** as its Prime Minister.

★ Additional Information

Political Party	Founding Year
Indian National Congress (INC)	1885
Communist Party of India (CPI)	1925
Bahujan Samaj Party (BSP)	1984
Nationalist Congress Party (NCP)	1999
Communist Party of India - Marxist (CPI-M)	1964

34. Answer: d

**Explanation:**

The correct answer is Ranjitsinh Disale.

★ Key Points

- Ranjitsinh Disale, a **primary school teacher** from **Solapur, Maharashtra** .
- Global Teacher Prize 2020 for his **efforts to promote girls' education and kickstart a QR-coded textbook** revolution in India.
- Ranjitsinh Disale started teaching at the school in **2009** .
- The curriculum was not even in the girls' main language, Kannada, Ranjitsinh Disale moved to the village, learned the language and translated the class textbooks.

★ Additional Information

- The Global Teacher Prize is an **annual US\$1 million award by the Varkey Foundation** .
- The Global Teacher Prize is for a teacher who has made an outstanding contribution to the profession.
- The Global Teacher Prize **started in 2015**.
- **Ranjitsinh Disale** is the **first Indian** who won the Global Teacher Award .

35. **Answer: a**

**Explanation:**

The correct answer is Virat Kohli.

★ Key Points

- Virat Kohli was born on **5 November 1988 in Delhi** .
- He made his international debut on 18 August 2008 against Sri Lanka.
- He also captained the **India Under-19 Cricket World Cup-winning team** .
- He became the fastest cricketer to score **12000 ODI runs surpassing Sachin Tendulkar** .
- He has won **Arjuna Award (2013), Padma Shri (2017) and Rajiv Gandhi Khel Ratna Award (2018)** .

★ Additional Information

- As of September 2021, Virat Kohli also became the fastest cricketer to reach 23000 international runs in 490 innings .
- His international awards - the Sir Garfield Sobers Trophy (ICC Men's Cricketer of the Decade) in 2011–2020, Sir Garfield Sobers Trophy (ICC Cricketer of the Year) in 2017 and ICC ODI Player of the Year in 2012 and 2018.
- As of August 2022, he became become the first Indian and the second player overall in international cricket history to have played 100 matches each in all three formats of the game .

★ Important Points



Player	Awards
Sachin Tendulkar	Arjuna Award in 1994 and Bharat Ratna 2014
Kumar Sangakkara	ICC Cricketer of the Year in 2012
Ricky Ponting	Wisden Leading Cricketer in the World 2004, Allan Border Medal (2009, 2007, 2006,), Sir Garfield Sobers Trophy (2007, 2006)

36. Answer: c

Explanation:

The correct answer is Ergocalciferol.

★ Key Points

- **Ergocalciferol** is an inactivated **Vitamin D** Analog.
- Ergocalciferol is synthesized by some plants in the presence of **UVB light** .
- The production of ergocalciferol was prompted by the identification of dietary deficiency, more specifically vitamin D, as the main causative factor for the development of **rickets** .
- Ergocalciferol was isolated for the first time from yeast in **1931** and its **structure was elucidated in 1932** .
- Ergocalciferol (**Vitamin D2**)-d<sub>6</sub> , chemical formula ,**C<sub>28</sub>H<sub>44</sub>O** .

★ Additional Information

- Tocopherol- **Vitamin E** (also known as tocopherol or **alpha-tocopherol** ).
- Vitamin activity was first identified in **1936** from a dietary fertility factor in rats.
- **Thiamine** , also known as **vitamin B<sub>1</sub>** .
- Thiamine helps to turn food into energy to keep the **nervous system healthy** .
- **Ascorbic acid (vitamin C)** is used to prevent or treat low levels of vitamin C in people who do not get enough of the vitamin from their diets.



- Vitamin C is a **water-soluble** vitamin found in citrus and other fruits and vegetables.
- 1930's , **Albert Szent-Györgyi** discovered the chemical ascorbic acid, also known as vitamin C.

37. Answer: d

**Explanation:**

The correct answer is Salt.

★ Key Points

- The neutralization reaction is the reaction between an **acid and a base** where **both neutralise the effect of each other** .
- In this reaction, **heat is always produced, or evolved** .
- In the neutralisation reaction, a new substance is formed is called salt.
- ***Acid+Base → Salt+Water (Heat is evolved)***
- For example - **Hydrochloric acid (HCl) + Sodium hydroxide (NaOH) →Sodium chloride (NaCl) + Water (H<sub>2</sub>O)** .

★ Additional Information

Substance	Chemical Formula	Use
Washing soda	Na <sub>2</sub> CO <sub>3</sub>	Removes stains, Removes greasy build-up in pots and Unclogs drains.
Baking soda	NaHCO <sub>3</sub>	Mouthwash, Teeth whitener and Deodorant
Pepper	C <sub>17</sub> H <sub>19</sub> NO <sub>3</sub>	High in antioxidants, lower cholesterol levels and anti-inflammatory properties

38. Answer: c

## Explanation:

The correct answer is Baneshwar festival.

### ★ Key Points

- Baneshwar fair is a **popular tribal** fair organized in the **Dungarpur** district in the state of **Rajasthan**, India.
- The **fair** is held in the month of February at Baneshwar, a small delta formed by the **Som river away from Dungarpur**.
- The **temple** is located in a delta formed by the Som River.
- It is a festival of tribals and tribes from neighbouring states like **Gujarat and Madhya Pradesh** who join this festival to **worship Lord Shiva**.
- The Baneshwar fair is organized from Magh Shukla Ekadashi to Magh Shukla Purnima in a small delta formed between Som and Mahi Rivers.

### ★ Additional Information

- **Mariamman festival(Tamil Nadu)**.
  - Mariamman is a goddess associated more broadly with her powers to both cause diseases and heals people from disease.
  - This three-night festival as the goddess is carried on a palanquin through the streets of Madurai to the banks of the Vagai River.
- **Sarhul festival(Jharkhand)**.
  - **Sarhul festival is the most popular tribal celebration across the Jharkhand region.**
  - It is celebrated by the tribal communities of the local **Sarna religion**, most notably by the **Munda, Ho, and Oraon tribes**.
  - It is celebrated at the beginning of spring every year in the **first month of the Hindu calendar, on the third day of the moon or the fortnight of 'Chaitra'**.
- **Tulip Festival(Jammu and Kashmir)**.
  - This festival is being **organized by the Department of Floriculture in collaboration with the Department of Tourism**.
  - A host of activities, including cultural shows and musical evenings, are being held during the festival.

39. Answer: d

**Explanation:**

The correct answer is ₹ 5 lakhs.

★ Key Points

- This is the first time since **1993** that the deposit insurance coverage has been raised.
- In May 1993, deposit insurance cover was increased to Rs 1 lakh from Rs 30,000.
- The Indian Union **Budget 2020-21** announced that the **Deposit Insurance and Credit Guarantee Corporation (DICGC)** has been permitted to increase deposit insurance coverage to Rs. **5 lakh per depositor from Rs. 1 lakh previously** .
- If a customer's deposit amount crosses Rs 5 lakh in a single bank, only up to Rs 5 lakh, including the principal and interest, will be paid by the DICGC if the bank turns bankrupt.

★ Additional Information

- The union budget of India was introduced on **1 February 2020** by Finance Minister **Nirmala Sitharaman** .
- The budget is woven around three prominent **themes**
  - **Aspirational India.**
  - **Economic Development.**
  - **Caring Society.**
- It was the **second budget** presented by Finance Minister Nirmala Sitharaman.
- In the Union Budget of India;2020, the largest allocation is given to the defence sector.
- The Ministry of Defence received an allocation of **Rs 4,71,378 Crores which is 15% of the total budget** expenditure of the central government.
- The Union Budget of India is also referred to as the **Annual Financial Statement** in **Article 112** of the Constitution of India.

★ Important Points

- Independent India's **first budget** was presented on **November 26, 1947** , by the then Finance Minister **RK Shanmukham Chetty** .
- **Sitharaman** holds the record for delivering the longest speech when she spoke for **2 hours and 42 minutes** while presenting the Union **Budget 2020-21** .
- The covid-19 pandemic turned the Budget for 2021-22 **paperless** - a **first in Independent India** .
- In 2019, **Sitharaman** became the **second woman** to have presented the budget after **Indira Gandhi** .

40. Answer: c

**Explanation:**

The correct answer is Copper.

★ Key Points

- Punch-marked coins are made up of **silver and copper** .
- They are also known as **Aahat coins** .
- They are classified into two groups **local and universal** .
  - Local punched marked coins carry **one to four symbols** depending upon their location and size.
  - Universal punched marked coins carry **five symbols** and are mainly issued by **Magadh Dynasty** .
- The coins were 1st introduced by **Janapadas and Mahajanapadas of the Indo-Gangetic Plain** .
- They are created by **hammering** with the help of **punches and dies** .

★ Additional Information

Dynasty/Rule	Type of coins
Mauryan Empire	Punch-marked coins made of silver and copper
Indo-Greeks	Minted coins are made of silver, usually round.
The Kushanas	1st Dynasty introduced a large number of gold coins
The Gupta Empire	Well-minted and well-executed gold coins

41. Answer: a

Explanation:

The correct answer is Guru Angad.

★ Key Points

- Guru Angad was born in a **Trehan (sub-caste of Khatri)** family.
- Guru Angad was born at Mate Di Sarai in Punjab on **March 31, 1504**, father **Pheru Mal** was a trader.
- Guru Angad was the **second guru** of sikhs.
- Guru Angad is known for standardising the **Gurumukhi script** of the Punjabi language.

★ Additional Information

- **Guru Nanak(1469–1539)**.
  - Guru Nanak was the **founder of the Sikhism religion**.
  - Bedi is a well-known **Khatri clan** in India and, Guru Nanak Dev was born into this clan.
  - Born- **April 15, 1469**.
  - Place of Birth: Rai Bhoi Ki Talwandi (**present-day Punjab, Pakistan**).
  - Children: **Sri Chand and Lakhmi Das**.
  - Date of Death: September **22, 1539**(**Kartarpur (present-day Pakistan)**).
- **Guru Teg Bahadur**.
  - The **ninth of ten Gurus** in the Sikh faith was **Guru Tegh Bahadur**.

- Born 1621 in Amritsar and Hargobind's (the sixth guru) youngest son.
- In 1675, under the orders of the Mughal Emperor Aurangzeb, Guru Tegh Bahadur was executed in Delhi on 24 November .
- The nation commemorated the 400th Parkash Purab of Shri Guru Tegh Bahadur Ji, the ninth Sikh Guru , on 1 May 2021.
- **Guru Arjan Dev .**
  - Born- 15 April 1563, Goindwal Sahib .
  - **Guru Arjan Dev** was the fifth guru of Sikhs .
  - Guru Arjan Dev laid the foundation of Harmandar Sahib (Golden Temple) in Amritsar .
  - Guru Arjan Dev also wrote the text **Sukhmani Sahi** .
  - Guru Arjan Dev died after being tortured for five days by the Mughal government led by Emperor **Jahangir on June 16, 1606 .**
  - Guru Mukhi- **Gurmukhi alphabet** is a writing system developed by the Sikhs in India for their sacred literature.

42. Answer: a

Explanation:

The correct answer is India.

★ Key Points

- The **first time** that a Summit-level Meeting will be held under India's Chairmanship.
- Prior to the creation of **SCO in 2001** , **Kazakhstan, China, Kyrgyzstan, Russia and Tajikistan** were members of the Shanghai Five.
- The Shanghai Cooperation Organisation (SCO) is a **Eurasian political, economic and security organization .**
- Shanghai Five (1996) emerged from a series of border demarcation and demilitarization talks which the four former Soviet republics held with China to ensure stability along the borders.
- India and Pakistan joined on **9 June 2017** Shanghai Cooperation Organisation (SCO).

- The official working language of the SCO Secretariat is Russian and Chinese.

★ Additional Information

Country	prime minister	President	Capital
India	Narendra Modi	Droupadi Murmu	New Delhi
Uzbekistan	Abdulla Nigmatovich Aripov	Shavkat Mirziyoyev	Tashkent
Russia	Mikhail Mishustin	Vladimir Vladimirovich Putin	Moscow

As for August 29.

43. Answer: b

Explanation:

The correct answer is the third-largest.

★ Key Points

- The Indian Ocean is the third-largest of the world's five oceanic divisions, covering 70,560,000 km<sup>2</sup>.
- The deepest point in the Indian Ocean, at 24,442 feet (7,450 meters) .
- The deepest point in the Indian Ocean is the Sunda Deep of the Java Trench off the southern coast of the island of Java (Indonesia) .
- The Indian Ocean has relatively few islands Madagascar, Maldives, Seychelles, Socotra, and Sri Lanka .
- The Indian Ocean Covers 20% of the Earth's Surface.
- The Ocean through 57 island groups,16 African countries and,18 Asian countries is connected directly through its waters.
- The Indian Ocean Oil Deposit Accounts for 40% of World Production .

★ Additional Information

- The Pacific Ocean.



- The Pacific Ocean is the largest and deepest of Earth's five oceanic divisions.
- The Pacific Ocean is a body of salt water extending from the Antarctic region in the south to the Arctic in the north and lying between The continents of Asia and Australia on the west and North America and South America on the east.
- The Mariana Trench , in the western North Pacific Ocean, is the deepest trench on Earth .
- The Ring of Fire is a region around much of the rim of the Pacific Ocean where many volcanic eruptions and earthquakes occur.
- The Atlantic Ocean .
  - The Atlantic Ocean is the second-largest of the world's five oceans , with an area of about 106,460,000 km<sup>2</sup>.
  - maximum depth of 27,493 feet (8,380 meters) in the Puerto Rico Trench , north of the island of Puerto Rico.
- The Arctic Ocean .
  - The Arctic Ocean is the smallest and shallowest of the world's five major oceans.
  - The Arctic Ocean is centred approximately on the North Pole , The ocean is almost completely encircled by the landmasses of North America, Eurasia, and Greenland.

## Your Personal Exams Guide

### 44. Answer: a

#### Explanation:

The correct answer is Kapil Dev.

#### ★ Key Points

- Kapil Dev was the 1st captain to win two test matches in England in 1986 .
  - He was also the 1st captain to win the world cup for India in 1983 .
  - He is also known as the "Haryana Hurricane" .
  - He made his debut in international cricket on October 16, 1978, against Pakistan .



- Virat Kohli is now the 2nd captain to win two test matches in England.

★ Additional Information

Player	About
Dilip Vengsarkar	Played for India (1976–92) as, Right-handed Batsman
Mansur Ali Khan Pataudi	Played for India (1961–75), Former Indian Captain
Ajit Wadekar	Played for India (1966 -1974) as, Left-handed Batsman

45. Answer: c

Explanation:

The correct answer is chikankari.

★ Key Points

- It is very **intricate and delicate threadwork** done on the muslin clothes originally.
- Nowadays the work is being used to decorate a wide variety of fabrics.
- There are many views regarding the origin of this embroidery style:
  - Some believe that it originated in **Persia** and was taught to Indians by a Persian trader.
  - Other sources state that the art has been mentioned in accounts of **Magasthenes which date back to the 3rd century BC** , hence it originated in India only.
  - Meanwhile, **Noor Jahan, the queen of Jahangir** is also accredited with the introduction of **Chikankari to India** .

★ Additional Information

- Phulkari –
  - It was first originated in **Punjab** .
  - It is usually done on the **chaddar or shawls** .

- The word Phulkari itself means **‘flower work’ or a bed of flowers** .
- It is mainly a domestic craft, executed by the girls and ladies of the household and sometimes by women servants under their directions.
- The embroidery is done on coarse cotton or khaddar material with untwisted silk floss called pat.
- **Kashida kari** .
  - The Kashida motifs used to create this type of embroidery include images inspired by nature.
  - such as vines, birds, leaves and flowers and this is one of the defining aspects of Kashida embroidery.
- **Zardoji**.
  - Zardozi - It is a type of **heavy and elaborate metal embroidery on silk, satin, or velvet fabric base** .
  - The centres of Zardozi art are **Lucknow, Bhopal, Delhi, Agra, Kashmir, Ajmer, and Chennai** .



## 46. Answer: d

### Explanation:

The correct answer is India and Bangladesh.

#### ★ Key Points

- Feni bridge also known as **Maitri Setu** is constructed between India and Bangladesh.
- It is a 1.9km long bridge connecting **Sabroom (in Tripura) with Ramgarh (in Bangladesh)** .
- It is constructed on river **feni** .
- **National Highways and Infrastructure Development Corporation Ltd** have constructed a bridge.
- The bridge symbolises the strong bilateral relations between India and Bangladesh.

#### ★ Additional Information

##### About Feni River

- It originates in the **South Tripura district** .
- It flows through Sabroom town on the Indian side and Ramgarh on the Bangladesh side.
- It drains into the **Bay of Bengal** .

##### India- Bangladesh relations

- The Railway link between **Haldibari (India) and Chilahati (Bangladesh)** and the train name is **Maitree Express** .
- **Kolkata-Dhaka-Agartala Bus Service** was launched in 2015.
- Joint exercises of the **Army (Exercise Sampriti) and Navy (Exercise Milan)** .
- **Protocol on Inland Water Transit and Trade (PIWTT)** .

#### ★ Important Point

Bilateral relation	Project
India and Bhutan	Mangdechhu Hydroelectric project
India and Nepal	Pancheshwar Multipurpose Project
India and Sri Lanka	Columbo port development

47. Answer: b

Explanation:

The correct answer is Right against Exploitation.

★ Key Points

- Right against Exploitation of Fundamental Rights includes two **articles 23 and 24** .
- Article 23 of the Indian constitution is about the **Prohibition of traffic in human beings and forced labour** .
  - It prohibits any kind of **selling and buying of men, women and children** .
  - In relation to forced labour, it prohibits any kind of forced labour.
  - The right is available to **both citizens and non-citizens** .
- Article 24 prohibits the **employment of children below the age of 14 years** in any factory, mine, or construction work.
  - It does not prohibit their employment in any harmless or innocent work.

★ Additional Information



Fundamental Rights (Part - III)	Important Article
Right to Equality	Articles 14 to 18
Right to Freedom	Articles 19 to 22
Right to Freedom of Religion	Articles 25 to 28
Cultural and Educational Rights	Articles 29 to 31
Right to Constitutional Remedies	Article 32

48. Answer: d

Explanation:

The correct answer is 2009.

★ Key Points

- The National Policy on Skill Development was first formulated in **2009**.
- It provided the framework for **skill development activities in the country**.
- Over the years, changes in the macro environment, and the experience gained through the implementation of various skill development programmes in the country have necessitated changes in the policy.
- Increase the **capacity and quality of training infrastructure and trainers** to ensure equitable and easy access to every citizen.
- The National Skill Development Policy, **2015 was formulated, and it supersedes the Policy of 2009** .

★ Additional Information

- Ministry of Skill Development and Entrepreneurship (MSDE) has been created to fulfil the vision of a **'Skilled India'** where **human resource** development is the primary focus.
- **Bhupender Yadav** , Cabinet Minister of The Ministry of Labour & Employment, (As of august 2022).

- **Rameswar Teli**, Minister of State Ministry of Labour & Employment, (As of august 2022).

49. Answer: d

**Explanation:**

The correct answer is Right to work.

★ Key Points

- The act includes the establishment of the **Central Consumer Protection Authority (CCPA)** and rules for the prevention of unfair trade practices by **e-commerce platforms** .
- It is a significant tool in protecting consumer rights.
- Provides for simplifies the consumer dispute adjudication process and introduces the concept of product liability.
- The CCPA will be empowered to conduct investigations into violations of **consumer rights and institution complaints/ prosecution, order recalls of unsafe goods and services** , order discontinuance of unfair trade practices, and misleading advertisements impose penalties on manufacturers/publishers of misleading advertisements.
- Under this act, every e-commerce entity is required to provide information relating to return, refund, exchange warranty and guarantee, delivery and shipment, modes of payments, grievance redressal mechanism, payment methods, security methods, charge-back options, etc.

★ Important Points

- **Six rights for consumers under (COPRA) 2019:**
  - Right to be heard.
  - Right to be informed.
  - Right to Safety.
  - Right to Consumer Education.
  - Right to Choose.
  - Right to Seek redressal.

50. Answer: b

**Explanation:**

The correct answer is the Indian Ocean.

★ Key Points

- Gulf of Oman :
  - The gulf is 200 miles wide between Cape al-Hadd in Oman and Gwadar Bay on the Pakistan-Iran border .
  - It is 350 miles long and connects with the Persian Gulf to the northwest through the Strait of Hormuz .
  - It offers the only entrance from the Arabian Sea and the Indian Ocean into the Persian Gulf.
- The red sea lies between Africa and Asia, and is a seawater inlet of the **Indian Ocean** .

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★ Additional Information

- Indian Ocean:
  - The Indian Ocean is the third-largest of the world's five oceanic divisions, covering 70,560,000 km<sup>2</sup>.
  - The deepest point in the Indian Ocean, at 24,442 feet (7,450 meters).
  - The deepest point in the Indian Ocean is the Sunda Deep of the Java Trench off the southern coast of the island of Java (Indonesia).
  - The Indian Ocean has relatively few islands: Madagascar, Maldives, Seychelles, Socotra, and Sri Lanka.
  - The Indian Ocean Covers 20% of the Earth's Surface.



- The Indian Ocean through 57 island groups, 16 African countries and 18 Asian countries is connected directly through its waters.
- The Indian Ocean Oil Deposit Accounts for 40% of World Production .
- The Pacific Ocean.
  - The Pacific Ocean is the largest and deepest of Earth's five oceanic divisions.
  - The Pacific Ocean is a body of salt water extending from the Antarctic region in the south to the Arctic in the north and lying between The continents of Asia and Australia on the west and North America and South America on the east.
  - The Mariana Trench , in the western North Pacific Ocean, is the deepest trench on Earth .
  - The Ring of Fire is a region around much of the rim of the Pacific Ocean where many volcanic eruptions and earthquakes occur.
- The Arctic Ocean .
  - The Arctic Ocean is the smallest and shallowest of the world's five major oceans.
  - The Arctic Ocean is centred approximately on the North Pole , The ocean is almost completely encircled by the landmasses of North America, Eurasia, and Greenland.
- The Atlantic Ocean .
  - The Atlantic Ocean is the second-largest of the world's five oceans , with an area of about 106,460,000 km<sup>2</sup>.
  - maximum depth of 27,493 feet (8,380 meters) in the Puerto Rico Trench , north of the island of Puerto Rico.

---

51. Answer: c

**Explanation:**

Given:

$$2 \div \frac{1}{5} \text{ of } (4 + 4 \div 2) + \left[ \frac{1}{2} \div \frac{25}{4} - 4 \right]$$

Concept used:

<b>B</b>	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
<b>O</b>	of	का
<b>D</b>	Division (÷)	विभाजन (÷)
<b>M</b>	Multiplication (×)	गुणा (×)
<b>A</b>	Addition (+)	जोड़ (+)
<b>S</b>	Subtraction (-)	घटाव (-)

**Calculation:**

$$2 \div \frac{1}{5} \text{ of } (4 + 4 \div 2) + \left[ \frac{1}{2} \div \frac{25}{4} - 4 \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } (4 + 2) + \left[ \frac{1}{2} \div \frac{25}{4} - 4 \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } 6 + \left[ \frac{1}{2} \div \frac{25}{4} - 4 \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } 6 + \left[ \frac{1}{2} \times \frac{4}{25} - 4 \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } 6 + \left[ \frac{2}{25} - 4 \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } 6 + \left[ \frac{2-100}{25} \right]$$

$$\Rightarrow 2 \div \frac{1}{5} \text{ of } 6 - \frac{98}{25}$$

$$\Rightarrow 2 \div \frac{6}{5} - \frac{98}{25}$$

$$\Rightarrow 2 \times \frac{5}{6} - \frac{98}{25}$$

$$\Rightarrow \frac{5}{3} - \frac{98}{25}$$

$$\Rightarrow \frac{125-294}{75}$$

$$\Rightarrow -\frac{169}{75}$$

∴ Required answer is  $-\frac{169}{75}$ .

52. Answer: b

Explanation:

Given:

By selling an article at  $\frac{18}{25}$  of selling price, a trader incurred a loss of 19%

Formula Used:

$$\text{Loss\%} = (\text{cost price} - \text{selling price}) / \text{cost price} \times 100$$

$$\text{Profit\%} = (\text{selling price} - \text{cost price}) / \text{cost price} \times 100$$

Calculation:

Let the cost price of that article be Rs.  $100x$

$$\text{Selling price when sold at } \frac{18}{25} \text{ of original selling price} = 100x - 100x \times 19\%$$

$$\Rightarrow 81x$$

$$\text{Original selling price} = 81x \times \frac{25}{18} = 112.5x$$

$$\text{Required profit \%} = [(112.5x - 100x) / 100x] \times 100$$

$$\Rightarrow 12.5\%$$

$\therefore$  The profit percentage on selling it at its actual selling price is 12.5%.

53. Answer: b

Explanation:

Given:

The average age of a husband and his wife was 20 years at the time of their marriage.

After 6 years, they have a 2-year old child.

**Concept used:**

Average = Sum of elements/Number of elements

**Calculation:**

Total age at the time of their marriage =  $20 \times 2$

⇒ 40 years

Total age of their now =  $40 + 6 + 6$

⇒ 52 years

Total age of the family =  $52 + 2 = 54$  years

Average age =  $54/3$

⇒ 18 years

∴ The present average age of the family is 18 years.

54. Answer: a

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**Explanation:**

**Given:**

The average of 39% of A and 42% of B is equal to three-fifths of the difference of A and B.

**Concept used:**

Average = Sum of elements/Number of elements

**Calculation:**

$$[A \times (39/100) + B \times (42/100)]/2 = (A - B) \times (3/5)$$

$$\Rightarrow [(39A + 42B)/100]/2 = (3A - 3B)/5$$

$$\Rightarrow (39A + 42B)/200 = (3A - 3B)/5$$

$$\Rightarrow (39A + 42B)/40 = (3A - 3B)$$

$$\Rightarrow 39A + 42B = 120A - 120B$$

$$\Rightarrow 42B + 120B = 120A - 39A$$

$$\Rightarrow 162B = 81A$$

$$\Rightarrow B/A = 81/162$$

So, ratio of A and B = 81 : 162 or 1 : 2

So, B =  $(1/2) \times 100$  of A or 50% of A

$\therefore$  Required answer is 50%.

---

55. Answer: b

**Explanation:**

**Given:**

The numbers are 3, 4, 5 and 6

Closest number is 1014

**Concept used:**

For this type of question, we use LCM of the given numbers and divide it with the closest divisible number which is given in the question

**Calculation:**

LCM of 3, 4, 5, and 6 = 60

Now,

By dividing 1014 with 60 we get 54 as the remainder

So, least number required to get a fully divisible number is  $(60 - 54) = 6$

$\therefore$  Required number is 6.

---

## 56. Answer: a

### Explanation:

Given:

The compound interest on a certain sum at a rate of 12% per annum for 2 years is ₹ 1,590.

Concept used:

$$C.I = P[(1 + R/100)^T - 1]$$

$$S.I = (P \times T \times R)/100$$

Here,

P = Sum

T = Time

R = Rate

Calculation:

Let the sum be P

According to the question,

$$1590 = P[(1 + 12/100)^2 - 1]$$

$$\Rightarrow 1590 = P[(1 + 3/25)^2 - 1]$$

$$\Rightarrow 1590 = P[(28/25)^2 - 1]$$

$$\Rightarrow 1590 = P[(784/625) - 1]$$

$$\Rightarrow 1590 = P[(784 - 625)/625 ]$$

$$\Rightarrow 1590 = P[159/625 ]$$

$$\Rightarrow 6250 = P$$

So, sum = ₹6250

Now,

$$S.I = (6250 \times 4 \times 6)/100$$

$$\Rightarrow 1500$$

∴ Required simple interest is ₹ 1,500.

57. Answer: d

Explanation:

Given:

Two-thirds of half of the three-eighths of a number is 40

Calculation:

Let the number be N

According to the question,

$$N \times (3/8) \times (1/2) \times (2/3) = 40$$

$$\Rightarrow N \times (1/8) = 40$$

$$\Rightarrow N = 320$$

So, the number is 320

Now,

$$80\% \text{ of } 320 = 320 \times (80/100)$$

$$\Rightarrow 256$$

$\therefore$  80% of that number is 256.

---

**58. Answer: b**

**Explanation:**

**Given:**

Present population = 850000

First year increment = 12 per 1000

Second year decreament = 1%

**Formula used:**

$$\text{Final year population} = \text{Present population} \times (100 \pm R)/100$$

Here, R = increment or decrement

**Calculation:**

$$12 \text{ for } 1000 = 1.2\%$$

$$\text{Final year population} = 850000 \times (100 + 1.2)/100 \times (100 - 1)/100$$

$$\Rightarrow 850000 \times (101.2/100) \times (99/100)$$

$$\Rightarrow 851598$$

$\therefore$  The population at the end of two years is 851598.

---



**59. Answer: a**

**Explanation:**

Given:

The cost price of a book is ₹ 250.

The successive discounts offered on the book are 10%, 15% and 20%

**Concept used:**

$$\text{Successive discount} = x + y - (x \times y)/100$$

Here,

x and y are two individual discounts

**Calculation:**

$$\text{Successive discount of 1st two discount} = 10 + 15 - (10 \times 15)/100$$

$$\Rightarrow 25 - 1.5$$

$$\Rightarrow 23.5\%$$

Now,

$$\text{Effective successive discount} = 23.5 + 20 - (23.5 \times 20)/100$$

$$\Rightarrow 43.5 - 4.7$$

$$\Rightarrow 38.8\%$$

∴ The overall discount % of the book is 38.8.

---

**60. Answer: a**

## Explanation:

Given:

Suraj can complete a certain work in the same time in which Manoj and Rajesh together can complete it.

Rajesh can alone complete it in 28 days and Suraj and Manoj together can complete it in 14 days

Concept used:

Total work = Efficiency of the workers  $\times$  time taken by the workers

Calculation:

Let total work be 28 units [As LCM of 14, 28 is 28]

So, efficiency of Rajesh =  $28/28 = 1$  unit/day

Efficiency of Suraj and Manoj =  $28/14 = 2$  units/day

According to the question,

Efficiency of Suraj = Efficiency of Manoj + Rajesh

$\Rightarrow$  Suraj = Manoj + 1

$\Rightarrow$  Suraj + Manoj = Manoj + 1 + Manoj

$\Rightarrow 2 = 2\text{Manoj} + 1$

$\Rightarrow 2 - 1 = 2\text{Manoj}$

$\Rightarrow 1 = 2\text{Manoj}$

$\Rightarrow \text{Manoj} = 0.5$

So, efficiency of Manoj = 0.5

Required Time =  $28/0.5$

⇒ 56 days.

∴ Manoj alone completes it in 56 days.

---

**61. Answer: c**

**Explanation:**

Given:

By selling an article for ₹ 7,281, a man loses 10%

**Concept used:**

Selling price = Cost price × (100 + profit)%

Selling price = Cost price × (100 - loss)%

**Calculation:**

Let the cost price of the article be Rs. x

According to the question,

$$x \times (90/100) = 7281$$

$$\Rightarrow x = 7281 \times (10/9)$$

$$\Rightarrow x = 8090$$

Now,

$$\text{Selling price to get a profit of 10\%} = 8090 \times (110/100)$$

$$\Rightarrow 8899$$

∴ He should sell it in 8899 (in ₹) order to make a profit of 10%.

---

62. Answer: b

**Explanation:**

Given:

A person walked from a village to a hospital at a speed of 30 km/h and walked back at a speed of 2 km/h .

Total time taken = 4 h 36 min

**Concept used:**

Time = Distance/Speed

**Calculation:**

Let the distance travelled by him be x km

According to the question,

$$(x/30) + (x/2) = 4 \text{ h } 36 \text{ min or } 23/5 \text{ hours}$$

$$\Rightarrow [(x + 15x)/30] = 23/5$$

$$\Rightarrow [(16x)/30] = 23/5$$

$$\Rightarrow [(16x)/6] = 23$$

$$\Rightarrow x = 23 \times 6/16$$

$$\Rightarrow x = 138/16$$

$$\Rightarrow x = 8\frac{5}{8}$$

So, distance =  $8\frac{5}{8}$  km

∴ The distance of the hospital from the village  $8\frac{5}{8}$  km.

63. Answer: d

**Explanation:**

Given:

A rectangular park is 110 m long and 70 m wide

Two cross paths, each 6 m wide, are constructed parallel to the sides.

The cost of construction of these paths is ₹ 175/m<sup>2</sup>

**Concept used:**

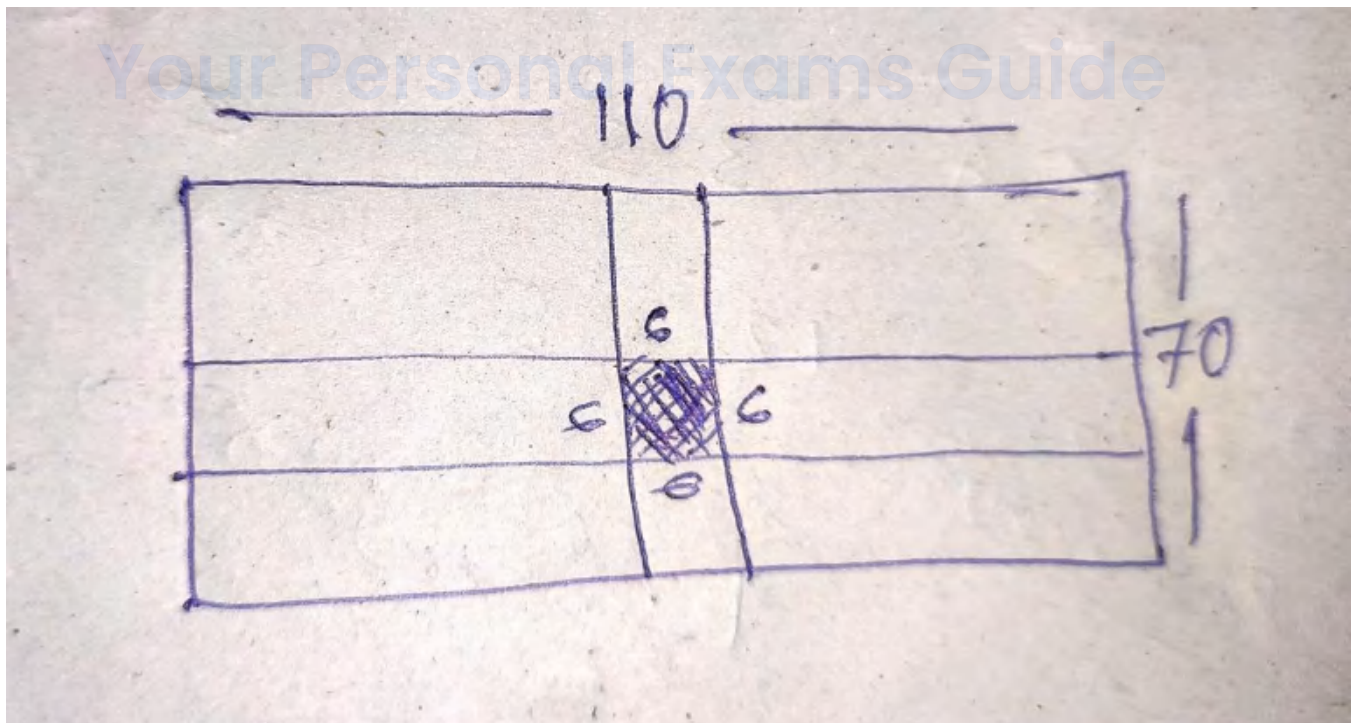
Area of a rectangle =  $L \times B$

Here,

L = Length

B = Breadth

**Calculation:**



According to the given diagram,

Total area of the two cross paths = Area of the longer cross path + Area of the shorter cross path - Shaded region

So,

Total area of the two cross paths =  $6 \times 110 + 6 \times 70 - 6 \times 6$

$$\Rightarrow 660 + 420 - 36$$

$$\Rightarrow 1044 \text{ m}^2$$

Now,

Cost of constructing the paths =  $1044 \times 175$

$$\Rightarrow 182700$$

$\therefore$  The total cost (in ₹) of construction of these paths is 182700.

---

64. Answer: a

**Explanation:**

Given:

The ratio  $P : Q = 2 : 3$ , and  $Q : R = 3 : 4$

Calculation:

$$P : Q = 2 : 3$$

$$Q : R = 3 : 4$$

So,  $P : Q : R = 2 : 3 : 4$

Now,

$$P + Q : Q + R = (2 + 3) : (3 + 4)$$

$\Rightarrow 5 : 7$

$\therefore$  The ratio  $P + Q : Q + R$  is  $5 : 7$ .

---

**65. Answer: c**

**Explanation:**

Given:

Rajesh buys a cycle for ₹ 1,400 sells it at a loss of 40%

Concept used:

Selling price = Cost price - cost price  $\times$  loss%

Calculation:

Selling price =  $1400 - 1400 \times 40\%$

$\Rightarrow 840$

$\therefore$  The selling price of the cycle is ₹ 840.

---

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**66. Answer: c**

**Explanation:**

Given:

The ratio of the shares of A and B is  $4 : 7$  and that of B and C is  $5 : 6$ .

Total amount = 18527

Calculation:

$A : B = 4 : 7$

$$B : C = 5 : 6$$

By equalling B in both the cases we get  $A : B : C = 20 : 35 : 42$

Now,

$$\text{Share of A} = 18527 \times (20/97)$$

$$\Rightarrow 3820$$

So, share of A = ₹ 3820

∴ The share of A (in ₹) is 3820.

---

**67. Answer: b**

**Explanation:**

**Given:**

Distance between two station = 300 km

They meet each other at 180 km from one station

**Concept Used:**

Speed = Distance/Time

**Calculation:**

Distance travelled by the faster train = 180 km

Distance travelled by the slower train =  $300 - 180 = 120$  km

Now

$$180/s_1 = 120/s_2$$

$$\Rightarrow s_2/s_1 = 120/180$$



$$\Rightarrow s_2 / s_1 = 2/3$$

So, speed ratio of two trains = 3 : 2

$\therefore$  Ratio of their speed is 3 : 2.

---

**68. Answer: b**

**Explanation:**

Given:

Average of 5 consecutive odd integers in increasing order is 11

Formula used:

Average = Total sum/Number of elements

Calculation:

Let 5 consecutive odd numbers be  $a, a + 2, a + 4, a + 6,$  and  $a + 8$

According to question,

$$a + a + 2 + a + 4 + a + 6 + a + 8 = 5 \times 11$$

$$\Rightarrow 5a + 20 = 55$$

$$\Rightarrow 5a = 35$$

$$\Rightarrow a = 35/5 = 7$$

Now,

Last three numbers are 11, 13, 15

$$\text{Total} = 11 + 13 + 15$$

$$\Rightarrow 39$$

$$\text{Average} = 39/3 = 13$$

∴ The average of the last 3 of them is 13.

---

69. Answer: a

**Explanation:**

Given:

First discount is 10%

List price = ₹ 175

Selling price = ₹ 129.15

**Concept used:**

Selling price = List price × (100 - discount)%

**Calculation:**

After 1st discount amount =  $175 \times (90/100)$

⇒ 157.5

Discount amount =  $157.5 - 129.15$

⇒ 28.35

Now,

Discount % =  $(28.35/157.5) \times 100$

⇒ 18%

∴ The second discount is 18 %.

---

**70. Answer: b**

**Explanation:**

Given:

The numbers are 6, 4 and 3

Closest number is 2495

Concept used:

For this type of question, we use LCM of the given numbers and divide it with the closest divisible number which is given in the question

Calculation:

LCM of 6, 4 and 3 = 12

Now,

By dividing 2495 with 12 we get 11 as the remainder

So, least number required to get a fully divisible number is  $(12 - 1) = 1$

∴ Required number is 1.

---

**71. Answer: a**

**Explanation:**

Given:

A can complete a work in 25 days and B can complete it in 30 days.

Concept used:

Total work = Efficiency of the work × time taken by the workers

**Calculation:**

LCM of 25 and 30 = 150 i.e total work

Efficiency of A =  $150/25 = 6$  units/day

Efficiency of B =  $150/30 = 5$  units/day

Effective efficiency =  $6 + 5 = 11$  units/day

Total work complete =  $5 \times 11 = 55$  units

Remaining  $150 - 55$

$\Rightarrow 95$  units

Fraction of the work left =  $95/150$

$\Rightarrow \frac{19}{30}$

$\therefore$  The fraction of the work that is left will be  $\frac{19}{30}$ .

---

**72. Answer: b**

**Explanation:**

Given:

$$(17 - 9) + (57 - 10 \div 5 \text{ of } 2) \div 4$$

Concept used:

<b>B</b>	Brackets in order {}, {}, []	ब्रैकेट {}, {}, [] क्रम में
<b>O</b>	of	का
<b>D</b>	Division (÷)	विभाजन (÷)
<b>M</b>	Multiplication (×)	गुणा (×)
<b>A</b>	Addition (+)	जोड़ (+)
<b>S</b>	Subtraction (-)	घटाव (-)

**Calculation:**

$$(17 - 9) + (57 - 10 \div 5 \text{ of } 2) \div 4$$

$$\Rightarrow 8 + (57 - 10 \div 10) \div 4$$

$$\Rightarrow 8 + (57 - 1) \div 4$$

$$\Rightarrow 8 + 56 \div 4$$

$$\Rightarrow 8 + 14$$

$$\Rightarrow 22$$

$\therefore$  Required answer is 22.

**73. Answer: c**

**Explanation:**

**Given:**

A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3

**Calculation:**

Let the shares of A, B, C, and D be Rs. 5x, Rs. 2x, Rs. 4x and Rs. 3x respectively.

Now,

$$5x - 3x = 1000$$

$$\Rightarrow 2x = 1000$$

$$\Rightarrow x = 500$$

$$\text{C's share} = 4 \times 500$$

$$\Rightarrow ₹ 2000$$

$\therefore$  C's share is ₹ 2000.

---

74. Answer: d

**Explanation:**

**Given:**

The length, breadth and height of a box are in the ratio 4 : 3 : 2.

Length increased = 50%

Height decreased = 40%

**Concept used:**

Volume of a cuboid =  $L \times B \times H$

Here,

L = Length

B = Breadth

H = Height

**Calculation:**

Let the length, breadth and height of the box  $4x$ ,  $3x$  and  $2x$

Now,

$$\text{New length} = 4x \times 150\%$$

$$\Rightarrow 6x$$

$$\text{New height} = 2x \times 60\%$$

$$\Rightarrow 1.2x$$

Now,

$$\text{Ratio of new volume and old volume} = 4x \times 3x \times 2x : 6x \times 3x \times 1.2x$$

$$\Rightarrow 3.6 : 4$$

$$\Rightarrow 9 : 10$$

$\therefore$  The ratio of the new volume to the old volume of the box will be  $9 : 10$ .

---

**75. Answer: d**

**Explanation:**

**Given:**

$$\text{Sum} = 900$$

$$\text{Interest} = 810$$

$$\text{Rate} = 5\%$$

**Formula used:**

$$S.I = (P \times T \times R)/100$$

Here,

P = Sum

T = Time

R = Rate

**Calculation:**

Let the time needed to be T years

Now,

$$810 = (900 \times 5 \times T)/100$$

$$\Rightarrow 45T = 810$$

$$\Rightarrow T = 810/45$$

$$\Rightarrow T = 18$$

So, time = 18 years

$\therefore$  Required time is 18 years.

76. **Answer: b**

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**Explanation:**

The correct answer is: **Horizon**.

★ Key Points

- **Horizon** means the place in the distance where the earth and sky seem to meet.
  - **Example** - *The sun rose above the horizon.*
- So, it is clear that the '**Horizon**' can be used as a one-word substitute for '**A line at which the earth's surface and the sky appear to meet.**'
- Therefore, the correct answer is **option 2.**



★ Additional Information

- **Equator** means a line notionally drawn on the earth equidistant from the poles, dividing the earth into northern and southern hemispheres and constituting the parallel of latitude 0°.
  - **Periphery** means the outer limits or edge of an area or object.
  - **Boundary** means a line that marks the limits of an area; a dividing line.
- 

77. Answer: c

**Explanation:**

The correct answer is: **peace**.

★ Key Points

- **Peace** means a stress-free state of security and calmness that comes when there's no fighting.
  - **Example** - Try to live in **peace** with your neighbours.
- Here, in the given sentence 'Peace' is used to explain that, "He is never stress-free and calm, He is always restless."
- So, it is clear that the most appropriate word is 'Peace'.
- Therefore, the correct answer is option 3.

The complete sentence is: *He is always restless. He is never at peace with himself.*

★ Additional Information

- **Silence** means a state of not speaking or making noise.
  - **Serenity** means the quality of being peaceful and calm.
  - **Freedom** means the quality or state of being free.
- 

78. Answer: a

**Explanation:**

The correct answer is: **Although they batted badly.**

★ Key Points

- Replace '**Unless**' with '**Although**' to make the sentence correct.
- '**Unless**' is used to introduce the case in which a statement being made is not true or valid.
  - **Example-Unless** you are fully vaccinated, you will not be allowed to return to work.
- '**Although**' is used to introduce a subordinate clause that contains a statement that makes the main clause of the sentence seem surprising or unexpected.
  - **Example-Although** he acts tough, he's really a nice guy.
- Here in the given sentence, It is said that **They batted very bad but surprisingly they won the match.** So, '**Although**' is **appropriate** for the situation.
- Hence, the correct answer is **option 1.**

Therefore, the improved sentence is: **Although they batted badly, they won the match.**

★ Additional Information

- '**Since**' is used with the present perfect to describe an action or situation that began in the past and continues in the present.
  - **Example-Since** I met Astrid I've tried to learn German.
- '**Until**' refers to up to the time of or till a specified time. It is used as a Preposition and Conjunction.
  - **Example-Let's play games until** the party starts.

79. **Answer: a**

**Explanation:**

The correct answer is: **To set high goals.**

★ Key Points

- To aim for the stars means to be ambitious, to aim high, and to follow one's dreams.
  - **Example** – *My parents always taught me to aim for the stars when I was growing up.*
- So, it is clear that the most appropriate meaning of the given idiom 'To aim for the stars' is 'To set high goals.'
- Hence, the correct answer is **option 1**.

80. Answer: b

### Explanation:

The segment that contains a grammatical error is: **angry on me**.

#### ★ Key Points

- Using the preposition '**with**' in the place of '**on**' to make the sentence correct.
- '**Angry with**' is used when referring to a living thing such as a person, animal etc.
  - **Example** – *The teacher is likely to get **angry with** the students.*
- '**Angry with**' means having a strong feeling against someone who has behaved badly, making one want to shout at them or hurt them.
- Here in the given passage, it is said that the narrator is upset because his mother was angry with him. 'Mother' is a living person so 'with' should be used.
- Therefore, the correct answer is **option 2**.

#### ★ Confusion Points

- "Angry on" cannot be used in English.
- If directed at a person "**angry with**" should always be used.
  - **Example** – *I was very **angry with** her.*
- If directed at a situation "**angry at**" would be appropriate.
  - **Example** – *I was very **angry at** how rainy it was.*

Hence, the corrected sentence is: *I was upset because my mother was angry with me.*

81. Answer: b

**Explanation:**

The erroneous spelling is: **Compulsery**.

★ Key Points

- The correct spelling should be ' Compulsory '.
- Compulsory means something that must be done necessarily by law or a rule.
  - **Example** - *Education is **compulsory** for children between the ages of 5 and 16.*
- Therefore, the correct answer is **option 2** which is incorrectly spelt.

★ Additional Information

- **Disturbance** means the interruption of a settled and peaceful condition.
- **Audience** means the assembled spectators or listeners at a public event such as a play, film, concert, or meeting.
- **Potential** means latent qualities or abilities that may be developed and lead to future success.

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82. Answer: d

**Explanation:**

The correct answer is: **Decline**.

★ Key Points

- **Progress** means development towards an improved or more advanced condition.
  - **Example** - *We are making **progress** toward equal rights.*
- Marked option **Decline** means a gradual and continuous loss of strength, numbers, quality, or value.

- *Example - The birth rate continued to **decline**.*
- It is clear that 'Progress' and 'Decline' are opposite in meaning.
- Therefore the correct answer is **option 4**.

★ Additional Information

- **Redress** means to remedy or set right (an undesirable or unfair situation).
  - **Advance** means to develop or improve something.
  - **Revise** means to examine and make corrections or alterations.
- 

83. Answer: a

**Explanation:**

The correct answer is: **Damage caused by use.**

★ Key Points

- **Wear and tear** mean the damage that happens to an object in ordinary use during a period of time.
    - *Example - Driving in freezing weather means lots of **wear and tear** on your car.*
  - So, it is clear that the most appropriate meaning of the given idiom 'Wear and tear' is 'Damage caused by use.'
  - Hence, the correct answer is **option 1**.
- 

84. Answer: a

**Explanation:**

The correct answer is: **To wash and dry dishes.**

★ Key Points

- **To do the dishes** means to wash and dry the dishes, knives, forks, glasses, etc after a meal.
  - **Example** - *If you walk the dog, I'll do the dishes.*
- So, it is clear that the most appropriate meaning of the given idiom '**To do the dishes**' is 'To wash and dry dishes.'
- Hence, the correct answer is **option 1**.

85. Answer: b

**Explanation:**

The correct answer is: **Constellation**.

★ Key Points

- **Constellation** means a group of stars forming a recognizable pattern that is traditionally named after its apparent form or identified with a mythological figure.
  - **Example** - *The constellation Ursa Major contains the stars of the Big Dipper.*
- So, it is clear that the '**Constellation**' can be used as a one-word substitute for '**A group of stars which form a pattern and have a name.**'
- Therefore, the correct answer is **option 2**.

★ Additional Information

- **Configuration** means an arrangement of parts or elements in a particular form, figure, or combination.
- **Contortion** means the skill of twisting and bending one's body into strange and unnatural positions, as a form of entertainment.
- **Condemnation** means criticizing something or someone strongly, usually for moral reasons.

86. Answer: d

## Explanation:

The correct answer is: **No substitution required.**

### ★ Key Points

- The sentence has no errors in it.
- We use the question word "**who**" for a relative pronoun.
- **Who** is a pronoun, which means that it's used **instead of a noun or noun phrase** to refer to a noun/noun phrase that has already been mentioned.
  - **Example**- *The student **who** got the first rank tried hard.*
- Here, In the given sentence, '**who**' denotes '**Bhaskar**' .
- So, the given sentence is both **grammatically and contextually correct.**
- Therefore, the correct answer is **option 4** .

The complete sentence is: *Asha trusts only Bhaskar who is a friend of hers.*

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87. Answer: a

## Explanation:

The correct answer is: **Protect.**

### ★ Key Points

- **Secure** means protect against threats; make safe.
  - **Example** - The government is concerned to **secure** the economy against too much foreign ownership.
- Marked option **Protect** means to keep safe from harm or injury.
  - **Example** - Are we doing enough to **protect** the environment?
- It is clear that '**Secure**' and '**Protect**' are similar in meaning.
- Therefore the correct answer is **option 1** .

### ★ Additional Information

- **Disjoin** means separate or disunite.



- **Ignore** means refuse to take notice of or disregard intentionally.
- **Forget** means fail to remember.

88. Answer: c

**Explanation:**

The segment that contains a grammatical error is: **prefers to shop**

★ Key Points

- Using '**prefer**' in place of '**prefers**' to make the sentence correct.
- The expression "**a number of**" is always followed by the **plural noun and a plural verb**.
- Do not be misled by the indefinite article "**a**" in that expression: the expression is always used to **indicate more than one of something**.
  - **Example** – *A number of houses were demolished so that the supermarket could be built.*
- Thus, the plural verb '**prefer**' will be used.
- Therefore the correct answer is **option 3**.

Hence, the corrected sentence is: *Do you know why a number of people **prefer** to shop online nowadays?*

89. Answer: c

**Explanation:**

The correct spelling is: **Committee**.

★ Key Points

- **Committee** means a group of people appointed for a specific function by a larger group and typically consisting of members of that group.
  - **Example** – *She sits on the city's finance **committee**.*



- Therefore, the correct answer is **option 3** which is correctly spelt.

90. Answer: d

**Explanation:**

The correct answer is: **No improvement required**

★ Key Points

- The sentence has no errors in it.
- **Whether** is a conjunction that is used in reference to a choice or alternatives.
- We use **whether** in indirect ' **yes-no**' questions and questions with ' **or**' .
  - **Example** - *We're not sure **whether** to stay here for dinner or go somewhere else.*
- The given sentence states that "**They get a job or not, it does not make any changes**" For this kind of sentence '**whether**' is appropriate to use .
- So, the given sentence is both **grammatically and contextually correct** .
- Therefore, the correct answer is **option 4** .

The complete sentence is: *It doesn't matter whether they get the job or not.*

★ Additional Information

- Use "**nor**" before the second or further of two alternatives when "**neither**" introduces the first .
- We use "**if**" to introduce a possible or unreal situation or condition.
- We use "**so**" as subordinating conjunction to introduce clauses of result or decision.

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91. Answer: c

**Explanation:**

The segment that contains a grammatical error is: **on a early March morning.**

★ Key Points

- Replace the article 'a' with 'an' to make the sentence correct.
- 'A' and 'an' are called indefinite articles.
- 'A' is used when the noun or adjective that comes next begins with a **consonant** sound.
  - **Example** - *It is a little speech that I have written for him.*
- 'An' is used when the noun or adjective that comes next begins with a **vowel** sound.
  - **Example** - *I burned my hand with an iron.*
- A **vowel** is a syllabic speech sound pronounced without any stricture in the vocal tract.
- In the given sentence 'Early' as an adverb means before the usual or expected time. The word **Early starts with 'E'** which is a vowel so for a vowel 'an' should be used.
- Therefore, the correct answer is **option 3**.

Hence, the corrected sentence is: *It was thirty minutes past six on an early March morning when he went out for a walk.*

92. Answer: c

**Explanation:**

The correct answer is: **adopt**.

★ Key Points

- **Adopt** means to legally take another person's child or a pet into your own family and take care of them as your own child.
  - **Example** - *There are many people eager to **adopt** a baby.*
- Here, in the given sentence 'Adopt' is used to explain that **the narrator loves cats but he cannot take them home as a pet because of some untold reasons.**
- So, it is clear that the most appropriate word is 'Adopt'.
- Therefore, the correct answer is option 3.

The complete sentence is : *Although I like cats, I cannot adopt one as a pet.*

★ Additional Information

- **Apply** means to make a formal application or request.
  - **Avoid** means the act of staying away from someone or something.
  - **Agree** means to have the same opinion about something
- 

93. Answer: d

**Explanation:**

The correct answer is: **Aid**.

★ Key Points

- **Assist** means to help someone typically by doing a share of the work.
  - **Example** – *A senior academic would **assist** him in his work*
- Marked option **Aid** means to help or support someone in the achievement of something.
  - **Example** – *The teacher sought the **aid** of several students for the project.*
- It is clear that '**Assist**' and '**Aid**' are similar in meaning.
- Therefore, the correct answer is **option 4**.

★ Additional Information

- **Pardon** means the action of forgiving or being forgiven for an error or offence.
  - **Check** means to examine something in order to determine its accuracy, quality, or condition.
  - **Delay** means a period of time by which something is late or postponed.
- 

94. Answer: b

**Explanation:**

The correct answer is: **Normal**.

★ Key Points

- **Peculiar** means strange or unusual, especially in a way that is unpleasant or makes you worried.
  - **Example** – *It seems **peculiar** that he would leave town and not tell anybody.*
- Marked option **Normal** means the usual, typical, or expected state or condition.
  - **Example** – *It's quite **normal** for puppies to bolt their food.*
- It is clear that 'Peculiar' and '**Normal**' are opposite in meaning.
- Therefore the correct answer is **option 2**.

★ Additional Information

- **Curious** means too eager to know or learn something.
- **Unusual** means not habitually or commonly occurring or done.
- **Odd** means different to what is usual or expected; strange.

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95. Answer: d

**Explanation:**

The correct answer is: **avid**

★ Key Points

- **Avid** means having or showing a keen interest in or enthusiasm for something.
  - **Example** – *She was **avid** for information about the murder inquiry.*
- Here, in the given sentence '**Avid**' is used to explain the habit that **the boy had a great interest in reading mystery books**.
- So, it is clear that the most appropriate word is '**A vid**'.
- Therefore, the correct answer is **option 4**.

Correct Sentence: *He is an **avid** reader of mystery books.*

★ Additional Information

- **Fragile** means easily broken or damaged.
- **Agile** means quick and well-coordinated in movement.
- **Alert** means quick to notice any unusual and potentially dangerous or difficult circumstances; vigilant.

96. Answer: a

**Explanation:**

The correct answer is: **massively**.

★ Key Points

- **Massively** is used to refer to a very large and heavy or solid form.
  - **Example** – A *massively* built four-storey building.
- Here in the given paragraph, '**massively**' is used as an adverb to describe the size of a Python snake.
- It is qualifying the adjective '**built**'.
- So, it is clear that the most appropriate word is '**massively**'.
- Therefore, the correct answer is **option 1**.

**Correct Paragraph:** Python snake, also known as Ajgar, is one of the most (1) **massively** built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) \_\_\_\_\_ on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

★ Additional Information

- **Heartily** is used in a cordial manner; with warmth and sincerity.
- **Generously** means a way that shows a willingness to give money, help, kindness, etc.
- **Boldly** means in a brave and confident way, without showing any fear.

97. Answer: c

**Explanation:**

The correct answer is: **dependent**.

★ Key Points

- Dependent means needing the support of something or someone in order to continue existing or operating.
  - **Example** – *An economy is heavily **dependent** on oil exports.*
- Here in the given paragraph, '**dependent**' is used to describe that **Pythons need water to survive, without water they cannot live in harmony. So, Pythons are dependent on water to live a sustainable life.**
- So, it is clear that the most appropriate word is '**dependent**'.
- Therefore, the correct answer is **option 3**.

Correct Paragraph: Python snake, also known as Ajgar, is one of the most (1) massively built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) dependent on water to quite an extent. One of the (3) \_\_\_\_\_ features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.

★ Additional Information

- **Correspondent** means one who communicates with another by letter.
- **Intermittent** means a periodic movement, stopping and starting over a period of time.
- **Inconsistent** means lacking in harmony between the different parts or elements; self-contradictory.

98. Answer: c

## Explanation:

The correct answer is: **unique**.

### ★ Key Points

- **Unique** means being the only existing one of its type or, more generally, unusual or special in some way.
  - **Example** – *Each person's DNA is **unique**.*
- Here in the given paragraph, '**unique**' is used to describe that only **Rock pythons of India can raise their body temperature above the ambient level. It is not a common thing so it is considered a unique feature.**
- So, it is clear that the most appropriate word is '**unique**'.
- Therefore, the correct answer is **option 3**.

**Correct Paragraph:** *Python snake, also known as Ajgar, is one of the most (1) **massively** built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) **dependent** on water to quite an extent. One of the (3) **unique** features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) \_\_\_\_\_ muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.*

### ★ Additional Information

- **Fatigue** means extreme tiredness resulting from mental or physical exertion or illness.
- **Mystique** means a quality of mystery, glamour, or power associated with someone or something.
- **Critique** means a careful judgment in which someone gives an opinion about something.

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99. Answer: a

## Explanation:



The correct answer is: **through**.

★ Key Points

- **Through** (*preposition*): **by means of (an intermediary or agent)**.
  - **Example** - *He struggled **through** the crowd till he reached the front.*
- Here in the given paragraph, '**through**' is used as a **preposition** to express that Rock pythons of India raise their body temperature above the ambient level **by means of** muscular contractions.
- So, it is clear that the most appropriate word is '**through**'.
- Therefore, the correct answer is **option 1**.

**Correct Paragraph:** *Python snake, also known as Ajgar, is one of the most (1) **massively** built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2) **dependent** on water to quite an extent. One of the (3) **unique** features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4) **through** muscular contractions. Rock python is a (5) \_\_\_\_\_ creature, moving only while hunting or when threatened.*

★ Additional Information

- **Among** is used to suggest a sense of being a part of or surrounded by or included in something else.
- **Between** is used to refer to the time, space or differences that separate two things, people, places, ideas, etc.
- **Near** means at a short distance away.

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100. Answer: **c**

**Explanation:**

The correct answer is: **lethargic**.

★ Key Points

- **Lethargic** means laziness or lack of energy.
  - **Example** - *He felt too miserable and **lethargic** to get dressed.*



- Here in the given paragraph, '**lethargic**' is used to describe that **Rock pythons are very lazy and they only move when they search for food or when they feel threatened by something.**
- So, it is clear that the most appropriate word is 'lethargic'.
- Therefore, the correct answer is **option 3**.

**Correct Paragraph:** Python snake, also known as Ajgar, is one of the most (1)massively built snakes of the Indian subcontinent. It belongs to the Boidae family and is (2)dependent on water to quite an extent. One of the (3)unique features of the Rock pythons of India is that they can raise their body temperature above the ambient level (4)through muscular contractions. Rock python is a (5)lethargic creature, moving only while hunting or when threatened.

★ **Additional Information**

- **Antic** means strange and unusual, especially in a silly or very energetic way.
- **Classic** means something that's very high in quality.
- **Exotic** means unusual and exciting because of coming or seeming to come from far away.

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