

Prepp

Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UPTET



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 (07-Dec-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.

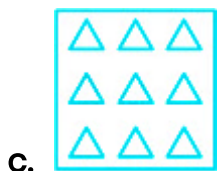
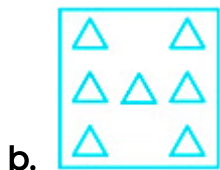
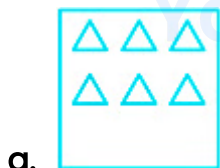
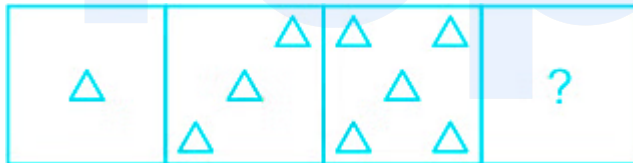
General Intelligence and Reasoning

1. 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)

9783 : 3879 :: 1958 : ?

- a. 9518
- b. 9851
- c. 8591
- d. 5891

2. Select the figure from among the given options that can replace the questions mark (?) in the following series. (+1, -0.25)





d.

-
3. 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 actors are choreographers.

All choreographers are producers.

Not a single producer is a director.

Conclusions:

I. Some actors are directors.

II. Not a single actor is a director.

a. Either conclusion I or II follows

b. Only conclusion II follows

c. Only conclusion I follows

d. Both conclusions I and II follow

-
4. In a certain code language, 'ORGAN' is written as 'QWDLG' and 'OPERATE' is written as 'QBXWLSX'. How will 'GENERATOR' be written in that language? (+1, -0.25)

a. DXCXWQLSW

- b. DXCXWLSQW
 - c. DXCXLWSQW
 - d. DXCXSWLQW
-

5. The sum of five consecutive multiples of 7 is 455. What is the largest number in this series? (+1, -0.25)

- a. 91
 - b. 154
 - c. 140
 - d. 105
-

6. In a certain code language, 'SAVE' is coded as '522119'. How will 'WEAK' be coded in that language? (+1, -0.25)

- a. 111523
 - b. 115195
 - c. 523111
 - d. 235123
-

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

- a. ATH
- b. RFB

c. DMI

d. CGP

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)



9. 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)

TUNER : VRRBX :: CLOCK : ?

- a. EORZQ
- b. EISZQ
- c. EROQZ
- d. EISZO

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

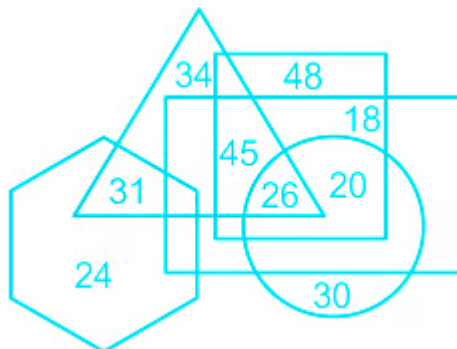
560, 280, 140, 70, ?

- a. 40
- b. 50
- c. 45
- d. 35



11. In the following figure, the square represents "lemon", the circle represents "sweet", the triangle represents "fruits", the rectangle represents "sour", and the hexagon represents "oranges". (+1, -0.25)

Find the number which represents lemon fruits that are sour but NOT sweet.



- a. 45
- b. 18
- c. 26
- d. 48

12. Two different positions of the same dice marked with the letters a, b, c, d, e (+1, -0.25) and f are shown. Select the letter that will be on the face opposite to the face having the letter 'a'.



- a. d
- b. e
- c. b
- d. f

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13. Select the correct combination of mathematical signs that can sequentially replace the * signs and make the given equation correct. (+1, -0.25)

$$7 * 8 * 6 * 130 * 2 * 3$$

- a. +, ÷, -, =, ×
- b. =, ×, +, ÷, -
- c. ÷, ×, =, +, -

d. $\times, +, =, \div, -$

14. Select the correct mirror image of the given combination when the mirror is placed at PQ as shown. (+1, -0.25)



a. $\overline{FD8PCQ}$

b. $\overline{QCP8DF}$

c. $\overline{QCP8DF}$

d. $\overline{FD8PCQ}$

15. Jiva is the daughter of Kamal. Kamal has two sons. Adah is the daughter of Manvita, who is the wife of Kamal's son. Veenu is Prem's mother. Prem is the brother of Ashok, who is the father of Adah. How is Adah related to Veenu? (+1, -0.25)

a. Granddaughter

b. Daughter

c. Mother

d. Sister

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

KMC, LOF, MQI, NSL, ?

- a. OUO
- b. VOU
- c. OOU
- d. UOW

-
17. Six friends, Neha, Kavya, Gita, Varun, Pooja and Kapil, have different ages. (+1, -0.25)
Gita is older than Pooja but younger than Varun. Three friends are older than Gita. The age of Kapil is between the ages of Varun and Kavya. Pooja is older than only one friend. Who is the youngest among them all?

- a. Kavya
- b. Kapil
- c. Pooja
- d. Neha

-
18. 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. Subsidiary
2. Subscribe
3. Substantiate

4. Substandard

5. Subsequent

a. 3, 5, 1, 4, 2

b. 2, 5, 1, 3, 4

c. 2, 5, 1, 4, 3

d. 2, 5, 3, 4, 1

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

Rubella : Virus :: Malaria : ?

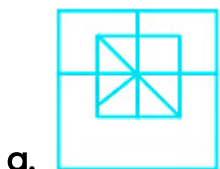
a. Virus

b. Fungi

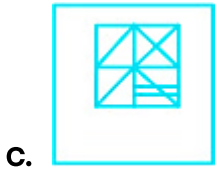
c. Bacteria

d. Parasite

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



a.



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

36, 37, 46, 71, ?, 201

- a. 125
- b. 120
- c. 107
- d. 118

22. Six persons, A, B, C, D, E and F, are sitting in a circle facing towards the centre. B is sitting between A and E. C is sitting between D and F. F is sitting to the immediate left of A. Who is sitting to the immediate right of E? (+1, -0.25)

- a. C
- b. D

c. F

d. B

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

7	8	9
4	2	?
407	520	756

a. 1

b. 2

c. 3

d. 4

24. In a certain code language, 'REFINE' is written as 'KHOZKL'. How will 'SOLVENT' be written in that language? (+1, -0.25)

a. ZHKPRIY

b. YHPJPIX

c. YHJPPIX

d. ZIKQQJY

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

xzx_yzx__xyzxz__yz

- a. xzxyx
- b. xzxxx
- c. xzyzx
- d. xzxxy

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General Knowledge and General Awareness

26. What does the Jnanpith Award prize consist of? (+1, -0.25)
- a. Cash prize of ₹12 lakh, a citation and a bronze replica of Goddess Saraswati
 - b. Cash prize of ₹21 lakh, a citation and a bronze replica of Goddess Saraswati
 - c. Cash prize of ₹15 lakh, a citation and a bronze replica of Goddess Saraswati
 - d. Cash prize of ₹11 lakh, a citation and a bronze replica of Goddess Saraswati
-
27. Who became the first foreign player to complete 5,000 runs in IPL? (+1, -0.25)
- a. Andrew Tye
 - b. Dale Steyn
 - c. Mark Wood
 - d. David Warner
-
28. Under which of the following schemes has the Government of India launched the physical distribution of property cards in October 2020? (+1, -0.25)
- a. Survey of Villages and Mapping with Important Technology in Village Areas
 - b. Socialisation of Villages and Mastering with Important Technology in Village Areas

- c. Survey of Villages and Mapping with Improvised Technology in Village Areas
 - d. Socialisation of Villages and Mastering with Improvised Technology in Village Areas
-

29. GDP deflator is also called _____ price deflator. (+1, -0.25)

- a. regulatory
 - b. exclusive
 - c. explicit
 - d. implicit
-

30. Which of the following countries hosted the 12th BRICS Summit 2020? (+1, -0.25)

- a. China
 - b. India
 - c. South Africa
 - d. Russia
-

31. Vyom Mitra, which came in the news in January 2020, is a/an _____. (+1, -0.25)

- a. kind of space vehicle developed by DRDO
- b. humanoid robot developed by ISRO
- c. earth observation satellite

d. drone developed by IIT Bombay

32. In which part of the Constitution of India is the manner of election of the President described? (+1, -0.25)

- a. Part VI
 - b. Part IV
 - c. Part VII
 - d. Part V
-

33. In which of the following states is Kolannalu dance form performed? (+1, -0.25)

- a. Kerala
 - b. Tamil Nadu
 - c. Odisha
 - d. Andhra Pradesh
-

34. In the context of waging battles in India during the eighteenth century, which among the following means 'A heavy gun used by infantry soldiers'?

- a. Musket
- b. Paidal
- c. Matchlock
- d. Sawar

35. _____, a lawyer from East Bengal, was especially active in the Non-Cooperation movement. (+1, -0.25)
- a. Bal Gangadhar Tilak
 - b. BR Ambedkar
 - c. Sardar Vallabhbhai Patel
 - d. Chittaranjan Das
-

36. The Right to Information Act of 2005 extended to the whole of India, EXCEPT _____ (+1, -0.25)
- a. Nagaland
 - b. Jammu and Kashmir
 - c. Sikkim
 - d. Puducherry
-

37. GDP is primarily used to: (+1, -0.25)
- a. assess the health of a country's economy
 - b. assess the literacy rate of the country
 - c. assess the foreign policy of the country
 - d. assess the health of a country's youth
-

38. _____ is an Indian American professional wrestler, popularly known as 'The Great Khali'. (+1, -0.25)

- a. Manish Singh Rawat
 - b. Satnam Singh Bhamara
 - c. Paan Singh Tomar
 - d. Dalip Singh Rana
-

39. Which of the following festivals of Punjab is traditionally associated with the harvest of rabi crops? (+1, -0.25)

- a. Baisakhi
 - b. Hola Mohalla
 - c. Maghi
 - d. Muktsar Fair
-

40. Which of the following states in India has gold deposits? (+1, -0.25)

- a. Karnataka
 - b. Madhya Pradesh
 - c. Tamil Nadu
 - d. Andhra Pradesh
-

41. Who among the following is the first Indian woman to receive the Ashoka Chakra? (+1, -0.25)
- a. Neerja Bhanot
 - b. Sarojini Naidu
 - c. Indira Gandhi
 - d. Kiran Bedi
-

42. As per the Census of India 2011, Bihar is the least literate state with a literacy rate of _____ %. (+1, -0.25)
- a. 66.95
 - b. 67.06
 - c. 65.46
 - d. 63.82
-

43. _____ is a broad term that includes all chemical reactions that occur in the body. (+1, -0.25)
- a. Respiration
 - b. Metabolism
 - c. Excretion
 - d. Reproduction
-

44. Which among the following is NOT an example of matter? (+1, -0.25)
- a. Fire
 - b. Clouds
 - c. Gravity
 - d. Raindrops
-

45. In the early 1920s, a militant guerrilla movement spread in the _____ hills of Andhra Pradesh. (+1, -0.25)
- a. Nagari
 - b. Palkonda
 - c. Nallamala
 - d. Gudem
-

46. Where is Ranganathittu Bird Sanctuary located? (+1, -0.25)
- a. Andhra Pradesh
 - b. Kerala
 - c. Telangana
 - d. Karnataka
-

47. The External Affairs Minister of the Republic of India, _____, chaired the customary meeting of IBSA Foreign Ministers through video (+1, -0.25)

conferencing on 16 September 2020.

- a. S Jaishankar
 - b. Rajnath Singh
 - c. Salman Khurshid
 - d. Amit Shah
-

48. During the rule of the Delhi Sultans, making a manuscript required four stages. Which of the following was NOT one of them? (+1, -0.25)

- a. Melting gold to highlight important words and passages
 - b. Editing the text
 - c. Preparing the binding
 - d. Writing the text
-

49. The first Olympic Games of the modern era opened in _____ on 6 April 1896. (+1, -0.25)

- a. Amsterdam
 - b. London
 - c. Los Angeles
 - d. Athens
-

50. The human _____ loses its power of accommodation at old age. (+1, -0.25)

- a. nose
- b. eye
- c. hand
- d. ear

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Elementary Mathematics

51. A TV is listed at ₹15,000 and a discount of 18% is offered on the list price. What additional discount must be offered to the customer to bring the net price to ₹10,947? (+1, -0.25)
- a. 9%
- b. 11%
- c. 10%
- d. 12%
-
52. A cylindrical pillar is 85 cm in diameter and 7 m in height. The cost of painting the curved surface of the pillar at the rate of ₹20 per m² is: (+1, -0.25)
- a. ₹374
- b. ₹370
- c. ₹275
- d. ₹474
-
53. Gurpreet went to a shop and bought a sofa. She got a 20% discount on it. Had she received 30% discount, she would have saved ₹1,000 more. How much did she pay for the sofa? (+1, -0.25)
- a. ₹12,000
- b. ₹8,000
- c. ₹6,000

d. ₹10,000

54. A rocking chair was sold at a profit of 10%. Had it been sold at ₹80 more, the profit would have been 15%. What is the cost price (in ₹) of the chair? (+1, -0.25)

a. 2,000

b. 2,400

c. 1,600

d. 1,200

55. A train is going at $\frac{1}{2}$ of its usual speed and it takes an extra 60 minutes to reach its destination. Find its usual time to cover the same distance. (+1, -0.25)

a. 2 hours

b. 1 hour

c. 1.5 hours

d. 30 minutes

56. In a class 60% of the students are boys and the rest are girls. If 40% of the boys and 70% of the girls pass in a test and the number of girls who failed is 42, then the number of boys who failed will be: (+1, -0.25)

a. 78

b. 84

c. 104

d. 126

57. The compound interest (in ₹) on ₹72,800 after 3 years at the rate of 10% per annum, compounded annually is : (+1, -0.25)

a. 24,996.80

b. 24,600.80

c. 24,096.80

d. 24,069.80

58. A man distributed two different amounts of ₹45,000 and ₹18,000 among his sons A, B, and C. The first amount of ₹45,000 was distributed in the ratio 3 : 7 : 5, and the second amount ₹18,000 was distributed in the ratio 4 : 2 : 3. The difference between the shares of A and C is: (+1, -0.25)

a. ₹5,000

b. ₹4,000

c. ₹3,000

d. ₹4,500

59. One side of a right-angled triangle is thrice the other and the hypotenuse is 8 cm. Find the area of the triangle. (+1, -0.25)

a. 10.2 cm²

b. 6.4 cm²

c. 9.6 cm^2

d. 8.5 cm^2

60. Three candidates, A, B and C contested an election and received 1800, 3300 and 3900 votes, respectively. What percentage of the total votes did B get (correct to two decimal places), assuming no vote was invalid? (+1, -0.25)

a. 36.67 %

b. 32%

c. 30%

d. 35.5%

61. John can complete a piece of work in 6 days working 8 hours each day and Manu can complete it in 3 days working 4 hours each day. How long will they take complete it, working together $9\frac{3}{5}$ hours a day? (+1, -0.25)

a. 2 days

b. 3 days

c. 1 day

d. 4 days

62. The greatest number that divides 415, 688 and 825 leaving 7, 8 and 9 as remainders, respectively is: (+1, -0.25)

a. 136

b. 126

c. 132

d. 142

63. The ration of monthly income to the expenditure of a family is 14 : 11. If the monthly savings of the family is ₹13,500. then the monthly income of the family is : (+1, -0.25)

a. ₹62,000

b. ₹63,000

c. ₹65,000

d. ₹64,000

64. A can complete a project in 10 days and B can complete the same project in 15 days. If A and B start working on the project together and B quits 5 days before the project is completed, in how many days will the project be completed? (+1, -0.25)

a. 8 days

b. 7 days

c. 9 days

d. 10 days

65. The value of $6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{13} \times \left(\frac{5}{2} - \frac{1}{3} \right) \right\} \right]$ is : (+1, -0.25)

a. 3

b. 1

c. 5

d. 0

66. In how much time will ₹5,000 amount to ₹6,800 at a simple interest of 9% per annum? (+1, -0.25)

a. 3 years

b. 4 years

c. 6 years

d. 5 years

67. A sold an article to B at 25% profit, who sold it to C at 20% profit. C sold it to D at 45% loss. If D bought it for ₹330 then B bought the article (in ₹) for: (+1, -0.25)

a. 450

b. 480

c. 500

d. 600

68. The average of five numbers a, b, c, d and e is 150. If the average of the first three numbers a, b and c is 130, then the average of the last two numbers d and e is: (+1, -0.25)

a. 160

b. 180

c. 120

d. 140

69. If the cost price is 84% of the selling price, then what is the profit percentage? (+1, -0.25)

a. $17\frac{3}{21}\%$

b. $19\frac{1}{4}\%$

c. $16\frac{3}{4}\%$

d. $19\frac{1}{21}\%$

70. Find the value of $3 \times [5 - 1 \div 2 - \{3 + (4 - 2 \div 2) - (15 \div 5 \text{ of } 3)\}]$ (+1, -0.25)

a. $\frac{3}{5}$

b. $-\frac{1}{5}$

c. $\frac{5}{2}$

d. $-\frac{3}{2}$

71. Find the compound interest on ₹1,600 at 15% per annum for 2 years, compounded annually: (+1, -0.25)

a. ₹490

b. ₹615

c. ₹525

d. ₹516

72. The average age of five person is 28 yrs. If one of them is excluded the average decreases by 2 yrs. The age of the excluded person in yrs is: (+1, -0.25)

a. 34

b. 28

c. 35

d. 36

73. A box contains 25p and 10p in the ratio 6 : 5, amounting to ₹226. Find the number of 10p coins. (+1, -0.25)

a. 225

b. 565

c. 678

d. 350

74. A train covers a distance of 325 km in $2\frac{1}{2}$ hours with a uniform speed. Find the time taken(in hours) to cover a distance of 650 km at the same speed. (+1, -0.25)

a. 4

b. 10

c. 5

d. 6

75. The ratio of four positive numbers is 5 : 8 : 12 : 18 and their LCM is 2880. The difference between the greater and the small number is: **(+1, -0.25)**

a. 104

b. 124

c. 114

d. 106

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English

76. 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)

The ceiling, which had cracks, caved in and several people trapped.

- a. were trapped
- b. had been trapped
- c. No substitution required
- d. were trapping

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

GLEAM

- a. Slow
- b. Dull
- c. Shine
- d. Fade

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

Sunanda _____ me of my school friend whom I haven't seen for many years.

- a. recalls

- b. remembers
 - c. recollects
 - d. reminds
-

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

Vast

- a. Limitless
 - b. Small
 - c. Gigantic
 - d. Huge
-

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

Afternoon show of a film or play

- a. Movie
 - b. Spectacle
 - c. Performance
 - d. Matinee
-

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

On the cards

- a. Likely to happen
 - b. Not likely to happen
 - c. Written down
 - d. Will happen
-

82. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. (+1, -0.25)

Neither of them have / any experience / in software development.

- a. any experience
 - b. Neither of them have
 - c. No error
 - d. in software development
-

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

Regret

- a. Repent
 - b. Repeat
 - c. Relieve
 - d. Receive
-

84. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, select 'No error' as your answer. (+1, -0.25)

The air in the city is so polluted / that it will be causing / several kinds of respiratory illnesses.

- a. The air in the city is so polluted
- b. No error
- c. several kinds of respiratory illnesses
- d. that it will be causing

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

Having the gift of the gab

- a. Has the best gift
- b. Talks well and persuasively
- c. Not ready to share belongings with others
- d. Possessive in nature

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

The company entered the Indian market very late because they did not get a _____ partner.

- a. consequent
- b. compatible

- c. conformity
 - d. coordinated
-

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

Bliss

- a. Sorrow
 - b. Pleasure
 - c. Ecstasy
 - d. Happiness
-

88. Select the most appropriate option that can substitute the underlined word in the given sentence. (+1, -0.25)

On the last day of the voyage, the ship was caught in a hurricane and the crew abandoned from their set course.

- a. embarrassed
 - b. enhanced
 - c. channeled
 - d. wandered
-

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

Ramesh visits his hometown quite_____.

- a. frequently

- b. recently
 - c. purposely
 - d. lately
-

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

Mark or substance that is impossible to remove

- a. Stained
 - b. Smudge
 - c. Incredible
 - d. Indelible
-

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

Either the bear or the lion have escaped from the zoo.

- a. have escaped to
 - b. have escaped in
 - c. No substitution required
 - d. has escaped from
-

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

The students / were tired / after working / at long hours.

- a. after working
- b. at long hours
- c. were tired
- d. The students

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

- a. Exceptional
- b. Intensify
- c. Integrated
- d. Imperative

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

- a. Superior
- b. Intermediate
- c. Influanace
- d. Interfere

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

A thing no longer in use

- a. Absolute
- b. Broken
- c. Damaged
- d. Obsolete

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)

My experience (1)_____ the Indian Institution of Advanced Study, Shimla will always be (2)_____. The beauty of (3)_____ place can never be forgotten. The academic (4)_____ coupled with the (5)_____ aspect of the place make it worth visiting.

Select the most appropriate option to fill in blank number 1.

- a. among
- b. to
- c. at
- d. from

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)

My experience (1)_____ the Indian Institution of Advanced Study, Shimla will always be (2)_____. The beauty of (3)_____ place can

never be forgotten. The academic (4) _____ coupled with the (5) _____ aspect of the place make it worth visiting.

Select the most appropriate option to fill in blank number 2.

- a. overcome
- b. memorable
- c. memoir
- d. eligible

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)

My experience (1) _____ the Indian Institution of Advanced Study, Shimla will always be (2) _____. The beauty of (3) _____ place can never be forgotten. The academic (4) _____ coupled with the (5) _____ aspect of the place make it worth visiting.

Select the most appropriate option to fill in blank number 3.

- a. the
- b. a
- c. No article required
- d. an

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)

My experience (1)_____ the Indian Institution of Advanced Study, Shimla will always be (2)_____. The beauty of (3)_____ place can never be forgotten. The academic (4)_____coupled with the (5)_____ aspect of the place make it worth visiting.

Select the most appropriate option to fill in blank number 4.

- a. adventure
- b. argument
- c. ambivalence
- d. environment

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)

My experience (1)_____ the Indian Institution of Advanced Study, Shimla will always be (2)_____. The beauty of (3)_____ place can never be forgotten. The academic (4)_____coupled with the (5)_____ aspect of the place make it worth visiting.

Select the most appropriate option to fill in blank number 5.

- a. astrological
- b. biological
- c. historical
- d. astrological

Answers

1. Answer: c

Explanation:

The pattern followed here is :

- First number \rightarrow Reverse of first number = Second number

So,

- 9783 : 3879

\Rightarrow 9783 \rightarrow Reverse order = 3879

Similarly,

- 1958 : ?

\Rightarrow 1958 \rightarrow Reverse order = **8591**

Hence, "**8591**" is the correct answer.

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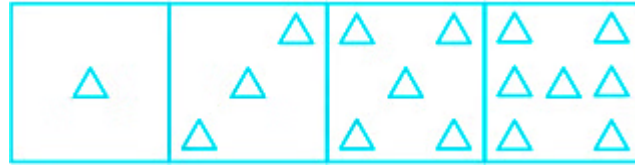
2. Answer: b

Explanation:

The figure that will replace the question mark (?) in the following figure series is shown below:

\Rightarrow Logic : The number of triangles in the box are increasing in an odd number series.

So,



As, the number of triangles in the box are increasing in an odd number series, therefore ;

- First box - 1 triangle
- Second box - 3 triangles
- Third box - 5 triangles
- **Fourth box - 7 triangles**

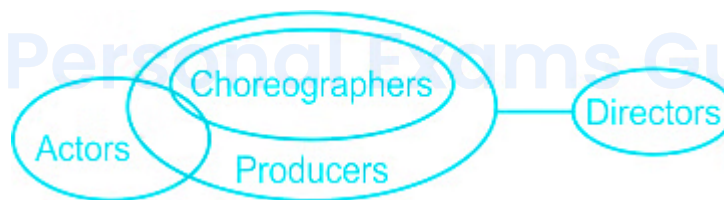
Thus, the only box which has 7 triangles is option- (2).

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

3. Answer: a

Explanation:

The least possible Venn diagram for the given statements is as shown below :



Conclusions:

I. Some actors are directors → Does not follow (As some actors are choreographers, all choreographers are producers and no producer is a director. So, some actors are directors is possible but not definitely true)

II. Not a single actor is a director → Does not follow (As some actors are choreographers, all choreographers are producers and no producer is a director. So, some actors are directors is possible but not definitely true)

∴ Here,

1. Elements i.e actors and director are same in both the conclusions.
2. Both the conclusions are individually does not follow(possible but not definitely true).
3. Conclusion I and II are complementary pair i.e Some and No

Hence, the correct answer is "Either conclusion I or II follows".

Conditions of either or case

★ **Additional Information**

1. The elements should be same in both the conclusions
2. Both conclusions should possible but not definitely true.
3. One of the conclusion should be negative and one of the conclusion should be positive i.e complimentary pair.
4. Complimentary pairs :
 - some + no and all + some not
 - Some + Some not and All + no are not Complimentary pair.

4. Answer: b

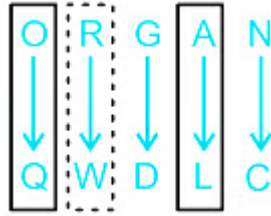
Explanation:

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

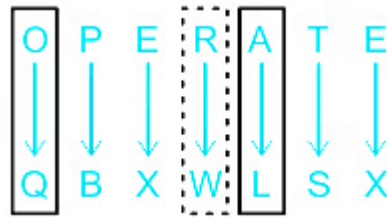
The pattern followed here is : A certain code is assigned to each letter without any specific pattern.

So,

- ORGAN is coded as :

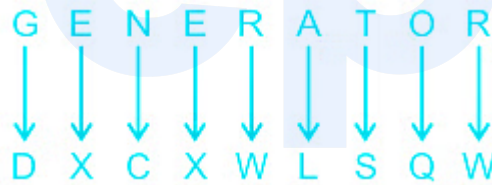


- OPERATE is coded as :



Similarly,

- GENERATOR is coded as :



As, from the given codes the common letters have same code, therefore each letter is given a certain code accordingly.

Hence, "DXCXWLSQW" is the correct answer.

5. Answer: d

Explanation:

Given : The sum of five consecutive multiples of 7 is 455.

Explanation :

Let the five consecutive multiple of 7 be = $7X$, $(7X + 7)$, $(7X + 14)$, $(7X + 21)$ and $(7X + 28)$

Where, X is a natural number.

So, according to the question :-

$$7X + (7X + 7) + (7X + 14) + (7X + 21) + (7X + 28) = 455$$

$$35X + 70 = 455$$

$$35X = 455 - 70$$

$$35X = 385$$

$$X=11$$

Therefore, by the putting the value of ' X ' the five consecutive multiples of 7 will be :-

- $7X \rightarrow (7 \times 11) = 77$
- $(7X + 7) \rightarrow [(7 \times 11)] + 7 = 84$
- $(7X + 14) \rightarrow [(7 \times 11)] + 14 = 91$
- $(7X + 21) \rightarrow [(7 \times 11)] + 21 = 98$
- $(7X + 28) \rightarrow [(7 \times 11)] + 28 = 105$

Thus, 105 is the largest number in the series.

Hence, "105" is the correct answer.

6. Answer: a

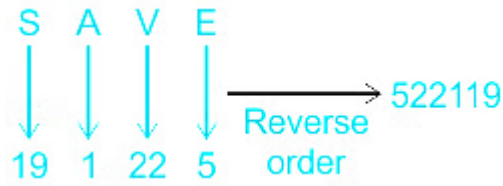
Explanation:

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 : Position value of each letter is written, then reversed.

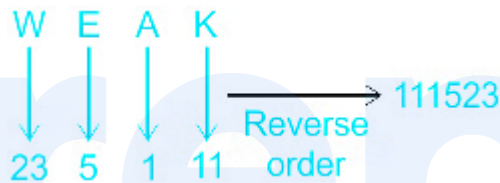
So,

- SAVE is coded as :



Similarly,

- WEAK is coded as :



Hence, "111523" is the correct answer.

7. Answer: a

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 : Sum of the position value of each letter is equal to 26.

So,

1) ATH

$$\Rightarrow A(1) + T(20) + H(8) = 29$$

2) RFB

$$\Rightarrow R(18) + F(6) + B(2) = 26$$

3) DMI

$$\Rightarrow D(4) + M(13) + I(9) = 26$$

4) CGP

$$\Rightarrow C(3) + G(7) + P(16) = 26$$

Thus, the sum of position value of each letter of ATH is 29, rest of them has sum value as 26.

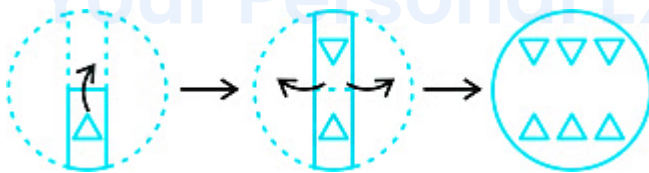
Hence, "ATH" is the correct answer.

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: b

Explanation:

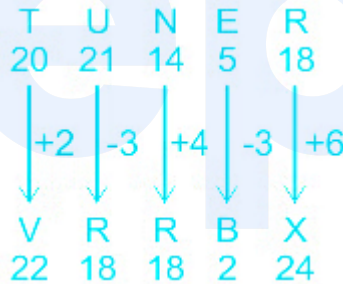
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The pattern followed here is : There are two patterns ;

- Consecutive even number is added in the position of value alternately starting with the first letter of each word.
- (3) is subtracted from the position of value alternately starting with the second letter of each word.

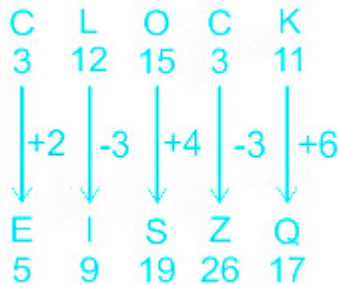
So,

- TUNER : VRRBX



Similarly,

- CLOCK : ?

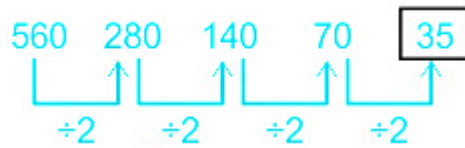


Hence, "EISZQ" is the correct answer.

10. Answer: d

Explanation:

The logic followed here is : Each number is divided by (2).

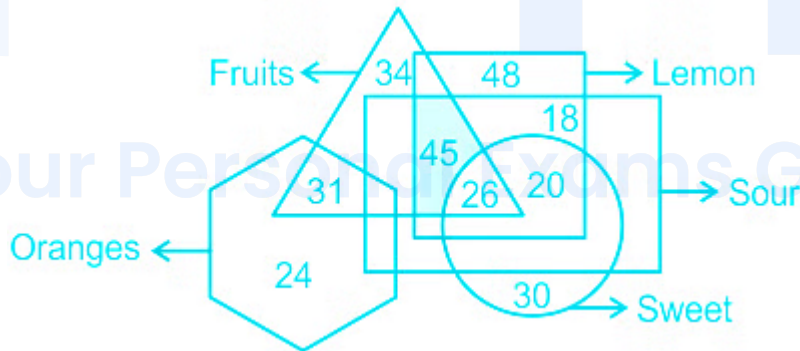


Hence, "35" is the correct answer.

11. Answer: a

Explanation:

Refer to the diagram as shown below:



Here, the shaded area represents lemon fruits that are sour but NOT sweet.

Hence, 'option(1) - 45' is the correct answer.

12. Answer: d

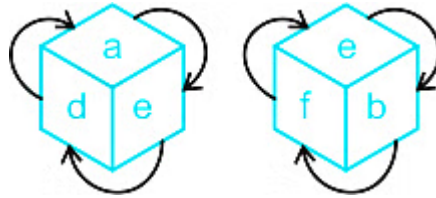
Explanation:

The logic followed here is :-

From the given two different cubes the adjacent sides are as shown below :

⇒As 'e' is common on both the dice, it is clear that b, f, d and a are adjacent to it.

⇒ Keeping 'e' constant and then rotating it in the clockwise direction, we get the faces opposite to each other.



Opposite pairs:

e	e
d	b
a	f

So, the opposite side of "a" will be side "f".

Hence, the correct answer is "f".

13. Answer: d

Explanation:

According to BODMAS rule:

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

Given equation : $7 * 8 * 6 * 130 * 2 * 3$

Now by the putting the signs:-

- Option - (1) : +, ÷, -, =, ×

$$7 + 8 \div 6 - 130 = 2 \times 3$$

$$7 + 1.33 - 130 = 2 \times 3$$

$$7 + 1.33 - 130 = 6$$

$$8.33 - 130 = 6$$

$$-121.76 \neq 6 \text{ (LHS} \neq \text{RHS)}$$

- Option - (2) : =, ×, +, ÷, -

$$7 = 8 \times 6 + 130 \div 2 - 3$$

$$7 = 8 \times 6 + 65 - 3$$

$$7 = 48 + 65 - 3$$

$$7 = 113 - 3$$

$$7 \neq 110 \text{ (LHS} \neq \text{RHS)}$$

- Option - (3) : ÷, ×, =, +, -

$$7 \div 8 \times 6 = 130 + 2 - 3$$

$$0.875 \times 6 = 130 + 2 - 3$$

$$5.25 = \underline{130 + 2} - 3$$

$$5.25 = \underline{132 - 3}$$

$$5.25 \neq 129 \text{ (LHS} \neq \text{RHS)}$$

- Option - (4) : $\times, +, =, \div, -$

$$7 \times 8 + 6 = \underline{130 \div 2} - 3$$

$$\underline{7 \times 8} + 6 = 65 - 3$$

$$\underline{56 + 6} = 62$$

$$62 = 62 \text{ (LHS} = \text{RHS)}$$

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

14. Answer: d

Explanation:

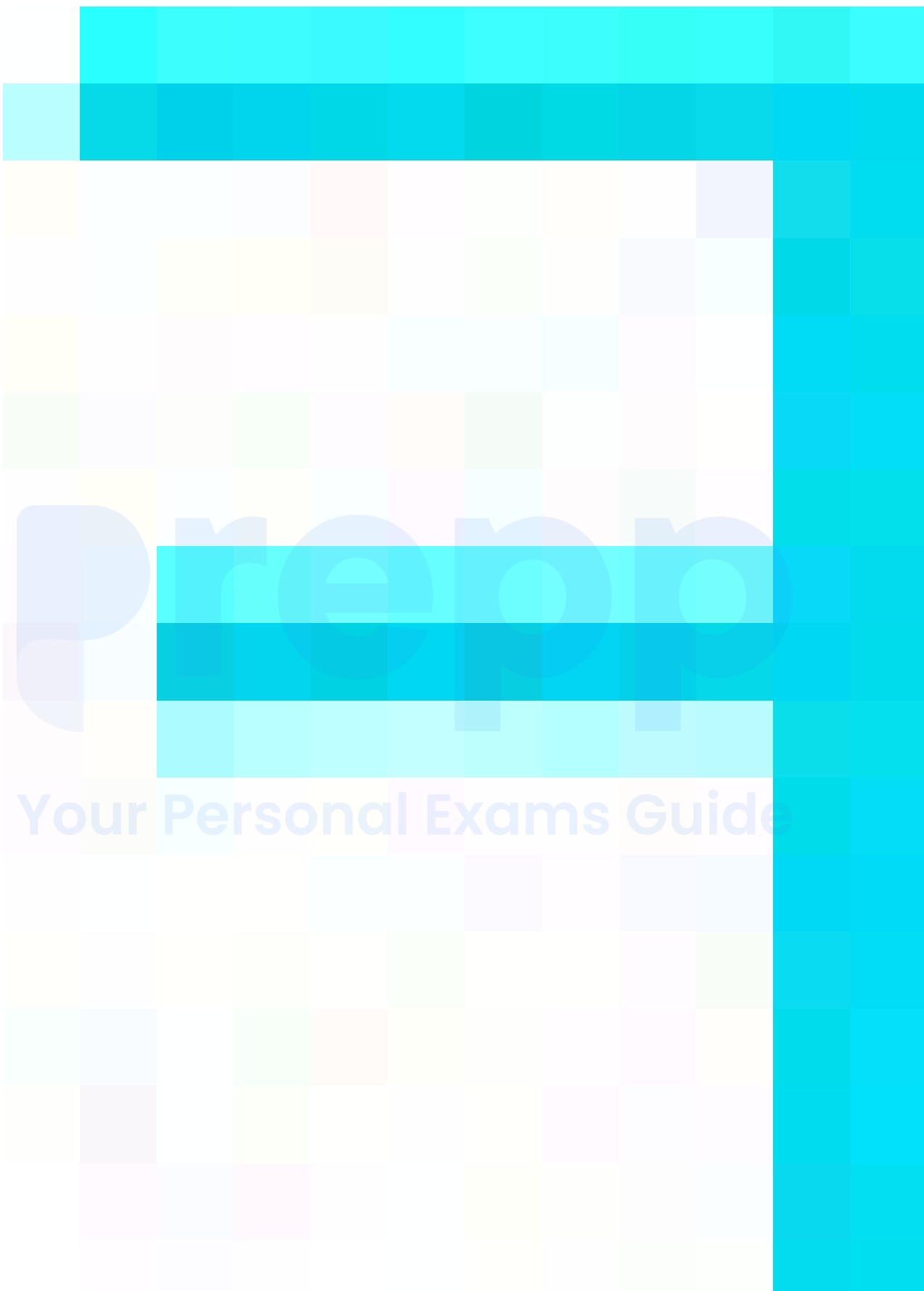
The correct mirror image of the given combination when mirror is placed at PQ is as shown below:

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Detailed Explanation:

- The line PQ is the mirror
- The word "FD8PCQ" the last letter is "F". So, the mirror image should be "



Prepp

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" ⇒ Option 1 is eliminated.

- The word " FD8PCQ " the last letter is "F". So, the mirror image should be "

prepp

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" ⇒ Option 2 is eliminated..

- The word " FD8PCQ " the first letter is "Q". So, the mirror image should be "



" ⇒ Option 3 is eliminated.

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

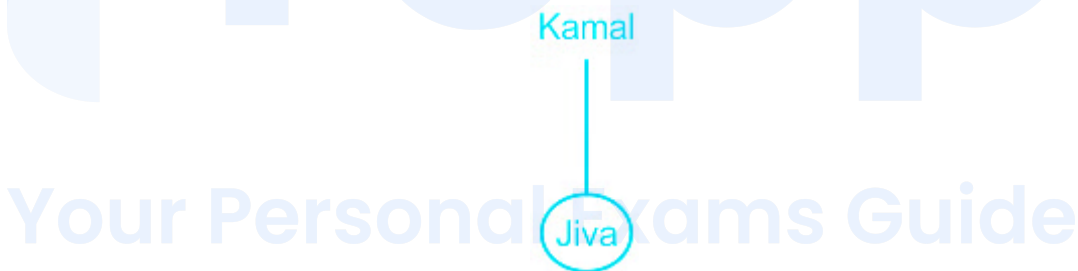
15. Answer: a

Explanation:

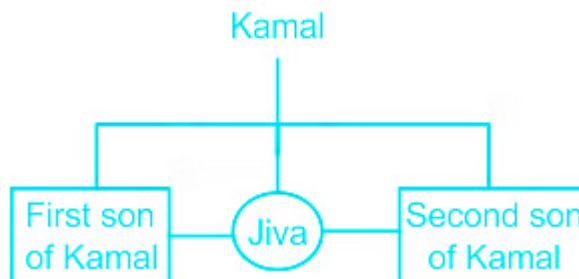
Symbol in Diagram	Meaning
○	Female
□	Male
==	Married couple
—	Siblings
	Difference of a generation

According to given conditions,

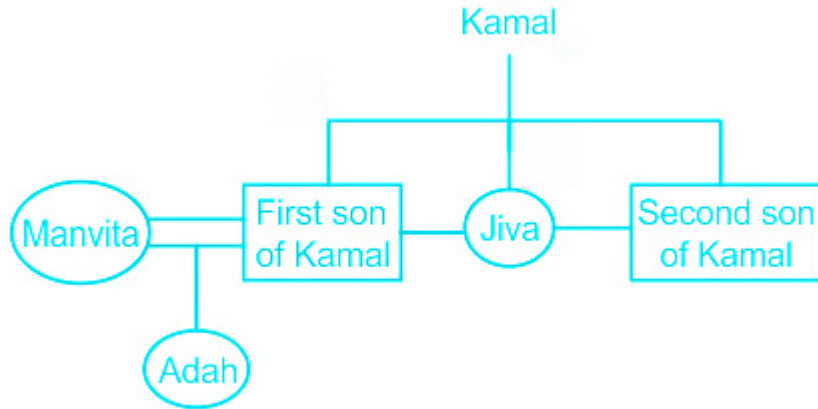
1) Jiva is the daughter of Kamal – Kamal is the parent of Jiva, so kamal can be either father or mother of Jiva.



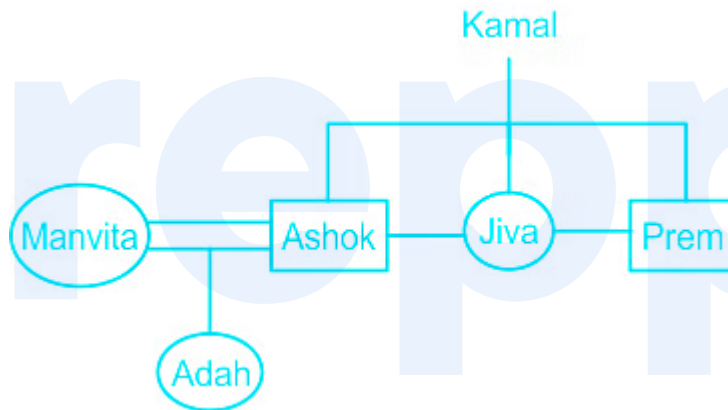
2) Kamal has two sons – Kamal has two sons whose names are not known yet. So Kamal has three children.



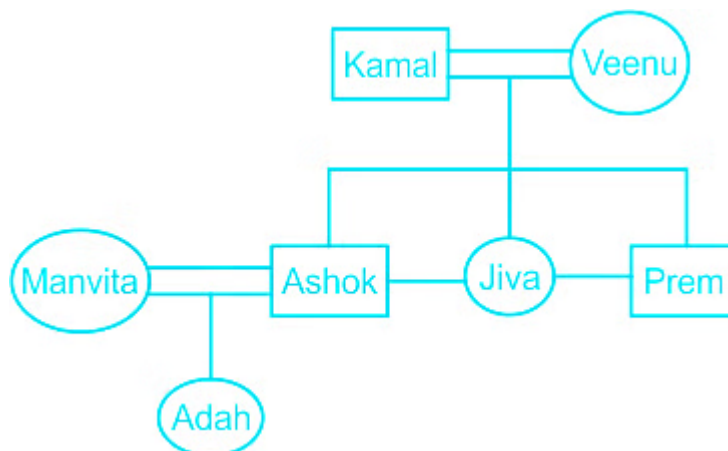
3) Adah is the daughter of Manvita, who is the wife of Kamal’s son – As kamal has two sons, so Manvita is the wife of one of the son whose name is not known yet.



4) Prem is the brother of Ashok, who is the father of Adah - As Adah is the daughter of Manvita, therefore Ashok is the husband of Manvita. So, Ashok and Prem will be the first son and second son respectively as Prem is the brother of Ashok.



5) Veenu is Prem's mother - As Veenu is the mother of Prem, therefore Kamal is the husband of Veenu.



Thus, according to the final family tree Veenu is the paternal grandmother of Adah, therefore Adah is the granddaughter of Veenu.

Hence, "Granddaughter" is the correct answer.

16. Answer: a

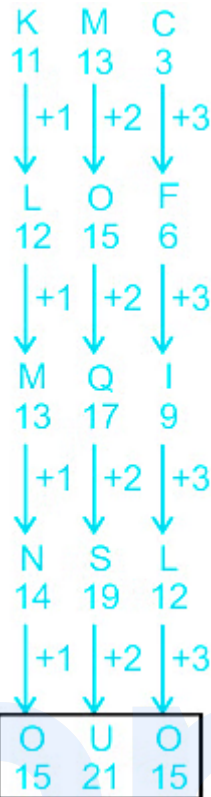
Explanation:

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 :

- (+1) is added to the position value of each first letter.
- (+2) is added to the position value of each second letter.
- (+3) is added to the position value of each third letter.

So, **Your Personal Exams Guide**



Hence, "OUO" is the correct answer.

17. Answer: d

Explanation:

Given : Six friends, Neha, Kavya, Gita, Varun, Pooja and Kapil, have different ages.

Explanation :

⇒As there are six friends so six positions have been arranged numbered from 1 to 6 from bottom to top as from youngest to the eldest.

- 1) Three friends are older than Gita.
- 2) Pooja is older than only one friend.

Position	Name
6	
5	
4	
3	Gita
2	Pooja
1	

3) Gita is older than Pooja but younger than Varun.

Position	Name
6	
5	
4	Varun
3	Gita
2	Pooja
1	

4) The age of Kapil is between the ages of Varun and Kavya - After positioning Kapil and Kavya only one position is left which will be occupied by the only person left i.e Neha.

Position	Name
6	Kavya
5	Kapil
4	Varun
3	Gita
2	Pooja
1	Neha

Thus, according to the final arrangement the order from youngest to the eldest will be \Rightarrow Neha, Pooja, Gita, Varun, Kapil and Kavya. Therefore Neha is the youngest one among them.

Hence, "**Neha**" is the correct answer.

18. **Answer: c**

Explanation:

According to the sequence in the dictionary:

2. Subscribe

5. Subsequent

1. Subsidiary

4. Substandard

3. Substantiate

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

19. Answer: d

Explanation:

The logic followed here is:

- **Rubella** is a contagious disease caused by a **virus** .

Similarly,

- **Malaria** is an acute febrile illness caused by a plasmodium **parasites** .

Hence, the correct answer is "Parasite" .

★ **Additional Information**

1. Virus - It is an infectious agent that can only replicate within a host organism.
2. Fungi - They are organism that eat organic material.
3. Bacteria - They are microscopic single-celled organisms lacking a distinct nucleus.
4. Parasite - they are an organism that lives in or on an organism of another species (its host) and benefits by deriving nutrients at the other's expense.

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20. Answer: b

Explanation:

The image embedded in given figure is as shown below :

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

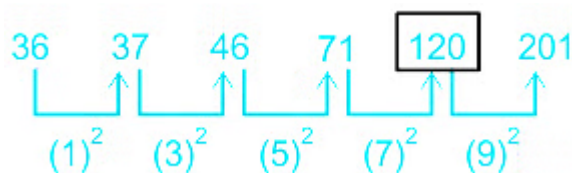
∴ Here, Option figure 2 is embedded in given figure.

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

21. Answer: b

Explanation:

The pattern followed here is : Square of consecutive odd numbers are added.



Hence, "120" is the correct answer.

22. Answer: b

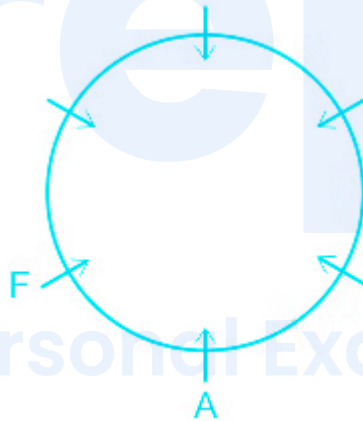
Explanation:

Given :

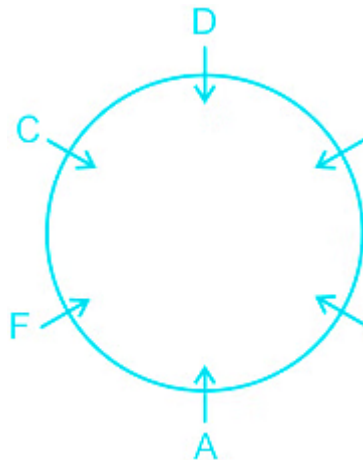
- Six persons - A, B, C, D, E and F
- They are sitting in a circle.
- They all are facing towards the center.

Explanation :

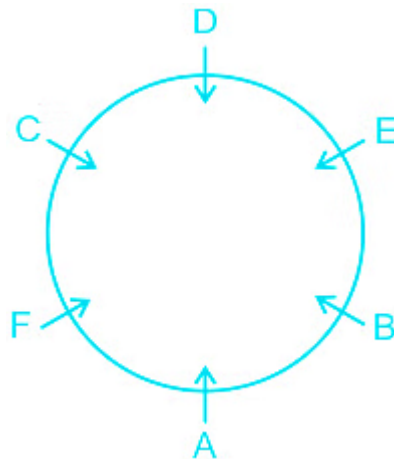
1) F is sitting to the immediate left of A.



2) C is sitting between D and F.



3) B is sitting between A and E.



Thus, according to the final arrangement D is sitting immediate right of E.

Hence, "D" is the correct answer.

23. Answer: c

Explanation:

Logic : The pattern followed here is column wise.

(Cube of first number) + (Cube of second number) = Third number

So,

- First column :

$$\Rightarrow (7)^3 + (4)^3 = 407$$

$$\Rightarrow 343 + 64 = 407$$

$$\Rightarrow 407 = 407 \text{ (LHS = RHS)}$$

- Second column :

$$\Rightarrow (8)^3 + (2)^3 = 520$$

$$\Rightarrow 512 + 8 = 520$$

$$\Rightarrow 520 = 520 \text{ (LHS = RHS)}$$

Similarly,

- Third row :

$$\Rightarrow (9)^3 + (?)^3 = 756$$

$$\Rightarrow 729 + (?)^3 = 756$$

$$\Rightarrow (?)^3 = 756 - 729$$

$$\Rightarrow (?)^3 = 27$$

$$\Rightarrow ? = 3$$

Hence, "3" is the correct answer.

24. Answer: a

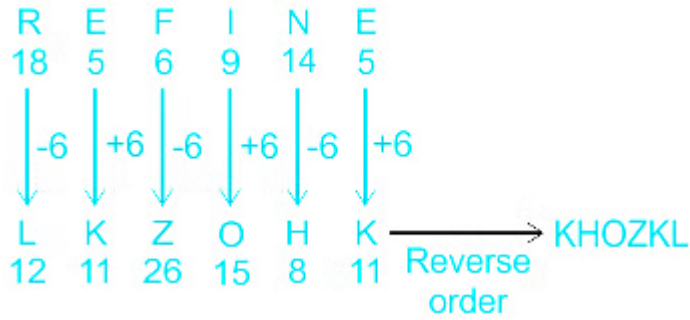
Explanation:

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 : (6) is added and subtracted alternately from the position value of each letter, starting with adding (+6) to the last letter of the word. Then reversed.

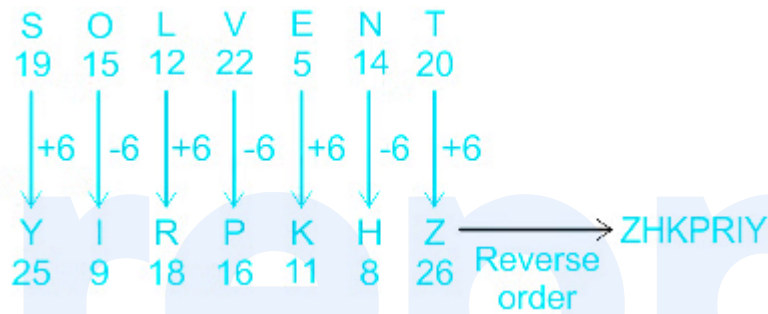
So,

- REFINE is coded as :



Similarly,

- SOLVENT is coded as :



Hence, "ZHKPRIY" is the correct answer.

25. Answer: b

Explanation:

Given : x z x _ y z x _ _ x y z x z _ _ y z

By checking options :

1. x z x y x → x z x x y z x z x x y z x z y x y z → (It doesn't Follows the pattern)
2. x z x x x → x z x x y z x z x x y z x z x x y z → (It follows the pattern of : x z x x y z - x z x x y z - x z x x y z)
3. x z y z x → x z x x y z x z y x y z x z z x y z → (It doesn't Follows the pattern)
4. x z x x y → x z x x y z x z x x y z x z x y y z → (It doesn't Follows the pattern)

⇒ Option - (2) gives the pattern of " x z x x y z - x z x x y z - x z y x y z "

Hence, " x z x x x " is the correct answer.

26. Answer: d

Explanation:

The correct answer is Cash prize of ₹11 lakh, a citation and a bronze replica of Goddess Saraswati.

★ Key Points

- Jnanpith Award prize consist of **Cash prize of ₹11 lakh, a citation and a bronze replica of Goddess Saraswati.**
- Jnanpith Award is an Indian literary award presented annually by the Bharatiya Jnanpith to an author for their "outstanding contribution towards literature".
- Instituted in 1961, the award is bestowed only on Indian writers writing in Indian languages included in the Eighth Schedule of the Constitution of India.

★ Additional Information

- The first recipient of the award was the Malayalam writer G. Sankara Kurup who received the award in 1965 for his collection of poems, Odakkuzhal (The Bamboo Flute), published in 1950.
- Ashapoorna Devi was the first woman to win the Jnanpith award in the year 1976.
 - The award was given for her literary work in the Bengali language.
- Eminent Malayalam poet Akkitham Achuthan Namboothiri, popularly known as Akkitham, has been chosen for the 55th Jnanpith Award, according to an announcement by the Jnanpith Selection Board for the year 2020.

27. Answer: d

Explanation:

The correct answer is David Warner.

★ Key Points

- **David Warner** became the first foreign player to complete 5,000 runs in IPL.
- David Warner is an Australian international cricketer and a former captain of the Australian national team in limited overs format and also a former test vice-captain.

★ Additional Information

- Suresh Raina was the first-ever batsman to score 5000 runs in the IPL format.
 - Suresh Raina plays for Chennai Super Kings.
- **Andrew James Tye** is an Australian cricketer who plays One Day Internationals and Twenty20 Internationals for the Australian national cricket team.
- **Dale Willem Steyn** is a South African former professional cricketer who played for the South African Cricket Team.
- **Mark Andrew Wood** is an English cricketer who plays internationally for England in all formats.

28. Answer: c

Explanation:

The correct answer is Survey of Villages and Mapping with Improved Technology in Village Areas.

★ Key Points

- **Survey of Villages and Mapping with Improved Technology in Village Areas** has the Government of India launched the physical distribution of property cards in October 2020.
- SVAMITVA (Survey of Villages Abadi & Mapping with Improved Technology in Village Areas) Scheme :
 - It is launched by the Hon'ble Prime Minister of India on 24th April 2020.
 - The Ministry of Panchayati Raj is the Nodal Ministry for the implementation of the scheme.

★ Additional Information

- Objectives of the Scheme:
 - To bring financial stability to the citizens in rural India.
 - Creation of accurate land records.
 - Determination of property tax.
 - Creation of survey infrastructure and GIS maps.
 - To support the preparation of a better-quality Gram Panchayat Development Plan.
 - To reduce property-related disputes and legal cases.
-

29. Answer: d

Explanation:

The correct answer is implicit.

★ Key Points

- The GDP deflator is also called **an implicit price deflator**.
- The GDP deflator, also called the implicit price deflator, is a measure of inflation.
- It is the ratio of the value of goods and services an economy produces in a particular year at current prices to that of prices that prevailed during the base year.
- This ratio helps show the extent to which the increase in the gross domestic product has happened on account of higher prices rather than an increase in output.
- Since the deflator covers the entire range of goods and services produced in the economy as against the limited commodity baskets for the wholesale or consumer price indices, it is seen as a more comprehensive measure of inflation.

★ Additional Information

- The formula to find the GDP price deflator:

- $\text{GDP price deflator} = (\text{nominal GDP} \div \text{real GDP}) \times 100$.
- When nominal GDP is less than real GDP, then the GDP deflator is negative and it means there is deflation in the country.
- The GDP deflator is available only annually and hence has very limited use for the conduct of policy.

30. Answer: d

Explanation:

The correct answer is Russia.

★ Key Points

- The 12th BRICS Summit hosted by **Russia** was held via video conference on **November 17, 2020**.
- The conference was held under the chairmanship of Russian President Vladimir Putin.
- The central theme of this summit was "**Global Stability, Shared Security and Innovative Growth**".

★ Important Points

- Russia:
 - Capital - Moscow.
 - Currency - Russian ruble.
 - President - Vladimir Putin.
 - Prime minister - Mikhail Mishustin.

★ Additional Information

- BRICS is the acronym coined to associate five major emerging national economies: Brazil, Russia, India, China, and South Africa.
- BRICS Tower headquarters in Shanghai.
- The first BRIC Summit took place in 2009 in the Russian Federation and focused on issues such as reform of the global financial architecture.

- South Africa was invited to join BRIC in December 2010 , after which the group adopted the acronym BRICS.

31. Answer: b

Explanation:

The correct answer is humanoid robot developed by ISRO.

★ Key Points

- **Vyom Mitra** , which came in the news in January 2020, is a/an **humanoid robot developed by ISRO** .
- The word 'Vyommitra' is made up of two words of the Sanskrit language 'Vyom' and 'Mitra' which means space and friend respectively.
- This is the prototype of the Half-Humanoid female robot developed by ISRO .
- It was unveiled on 22 January 2020 .

★ Additional Information

- Vyommitra is planned to be sent on the manned space mission in December 2021 which will help the male astronauts.
- Under the "Gaganyaan" program, Vyommitra will be sent to unmanned missions at the end of this year and also next year before the astronauts left.
- The aim of its creation is that ISRO does not want to fly animals on board for its experiments like other nations do to find out how the human body reacts during long-duration in space.
- This humanoid robot will understand what weightlessness and radiation can do to a human body.

32. Answer: d

Explanation:

The correct answer is **Part V**.

★ **Key Points**

- **Part V** of the Constitution of India is the manner of election of the President.
- Article 55 – States about the Manner of the election of the president in the constitution.
- The election of the President shall be held in accordance with the system of proportional representation by means of the single transferable vote and the voting at such election shall be by secret ballot.

★ **Additional Information**

Prepp

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Part	Contains	Articles
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33. Answer: d

Explanation:

The correct answer is Andhra Pradesh.

★ Key Points

- **Kolannalu dance** form performed in Andhra Pradesh.
- This is a stick dance and a very popular dance in Andhra Pradesh.
- The dance form was originated in the Seventh century.
- This dance form has various names, in various regions of India. In Andhra Pradesh, this dance called as Kolkollannalu, Kolattam and Kolannalu.
- In the early days, the dance was performed by women only, gradually the changes occurred in this dance and now the dance was performed by both male and female.
- The dance is the combination of rhythmic movements, songs, and music.
- The dance is performed by 8 to 40 artists as a group and every two artists grouped as a pair.

- Each one holds the two sticks and moves the sticks according to their leader movements.

★ Additional Information

- 8 Classical Dances of India and States:

Dance	State
Bharatanatyam	Tamil Nadu
Kathak	Uttar Pradesh
Kathakali	Kerala.
Kuchipudi	Andhra Pradesh.
Odissi	Odisha
Sattriya	Assam
Manipuri	Manipur
Mohiniyattam	Kerala

34. Answer: a

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Explanation:

The correct answer is Musket.

★ Key Points

- **Musket** means 'A heavy gun used by infantry soldiers'.
- **Matchlock** was an early type of gun in which the powder was ignited by a match.
- **Sawars** are trained soldiers on horseback.
- **Infantry** is, **Paidal** (foot) soldiers.

★ Additional Information

- **Colonial rule** in India brought in some new ideas of administration and reform but its power rested on its military strength.
- The Mughal army was mainly composed of cavalry (sawars: trained soldiers on horseback) and infantry, that is, paidal (foot) soldiers.
- A change occurred in the eighteenth century when Mughal successor states like Awadh and Benaras started recruiting peasants into their armies and training them as professional soldiers.
- The East India Company adopted the same method when it began recruitment for its own army, which came to be known as the sepoy army (from the Indian word sipahi, meaning soldier).
- As warfare technology changed from the 1820s, the cavalry requirements of the Company's army declined.
- This is because the **British empire was fighting in Burma, Afghanistan, and Egypt** where soldiers were armed with **muskets and matchlocks**.

35. **Answer: d**

Explanation:

The correct answer is Chittaranjan Das.

★ Key Points

- **Chittaranjan Dasa** lawyer from East Bengal, was especially active in the Non-Cooperation movement.
- Chittaranjan Das is popularly known as 'Deshbandhu'.
- He is the first president of the Swaraj Party (1923).
- C.R. Das served as the Indian National Congress president in the Ahmedabad session (1921).
- He was actively involved in Brahmo Samaj .
- He became involved with the Non-Cooperation Movement led by Mahatma Gandhi .

- In 1908, Das attained widespread fame when he was successfully able to defend Aurobindo Ghosh in the Alipore Bomb Case .

★ Additional Information

- 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.
 - Bal Gangadhar Tilak was also known as Lokmanya Tilak.
 - He established a prominent organization Deccan Education Society to promote modern learning.
 - He also established Fergusson College at 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.
- Sardar Vallabhbhai Patel popularly known as Sardar Patel was an Indian statesman.
 - He served as the First Deputy Prime Minister of India.
 - He was an Indian barrister and a senior leader of the Indian National Congress who played a leading role in the country's struggle for independence and guided its integration into a united, independent nation.
 - His commitment to national integration in the newly independent country was total and uncompromising, earning him the sobriquet " Iron Man of India ".
- **Bhimrao Ramji Ambedkar** came from an untouchable caste called the Mahars .
 - Through modern methods, he integrated untouchables into Indian society.
 - He established the Samaj Samta Sangh in 1927 to propagate the gospel of social equality between untouchables and Hindu castes .
 - Additionally, he organized temple entry movements .
 - Ambedkar emerged as one of the major leaders of the depressed classes before the Round Table Conference in 1930-31.
 - He demanded constitutional safeguards for the depressed classes .

36. Answer: b

Explanation:

The correct answer is Jammu and Kashmir.

★ Key Points

- The Right to Information Act of 2005 extended to the whole of India, EXCEPT **Jammu and Kashmir** .
- It shall apply to Public Authorities.
- All citizens shall have the right to information, subject to provisions of the Act.
- The **Public Information Officers/Assistant Public Information Officers** will be responsible to deal with the requests for information and also to assist persons seeking information.
- Certain categories of information have been exempted from disclosure **under Section 8 and 9 of the Act**.
- **Intelligence and security agencies** specified in Schedule II to the Act have been exempted from the ambit of the Act, subject to certain conditions.

★ Additional Information

- **The Right to Information (RTI) was first introduced in the year 2005.**
- The Act received Presidential assent on 15 th June 2005.
- The RTI Act came into force on 12 th October 2005.
- The Right to Information is a tool to find out information that can make their lives better.
- It mandates timely response to citizen requests for Government information.
- Its main objective is to empower the citizens, promote transparency and accountability.
- It aims to contain corruption and make our democracy work for the people in a real sense.
- Only individual citizens of India have the right to seek information under the provisions of the Right to Information Act, 2005.

37. Answer: a

Explanation:

The correct answer is assess the health of a country's economy.

★ Key Points

- GDP is primarily used to **assess the health of a country's economy**.
- The total monetary or consumer value of all finished goods and services produced within the boundaries of a country over a particular period of time is the Gross domestic product (GDP) .
- GDP offers a country's economic snapshot, used to measure the size of an economy and the pace of growth .
- GDP can be measured using **expenditure, production, or income** in three ways.

★ Additional Information

- Measurement of National Income – Income Method
 - Estimated by adding all the factors of production (rent, wages, interest, profit) and the mixed-income of self-employed.
 - In India, one-third of people are self-employed
 - This is the 'domestic' income, related to the production within the borders of the country
- Measurement of National Income – Production Method
 - Estimated by adding the value added by all the firms.
 - Value-added = Value of Output – Value of (non-factor) inputs
 1. This gives GDP at Market Price (MP) – because it includes depreciation (therefore 'gross') and taxes (therefore 'market price')
 2. To reach National Income (that is, NNP at FC)
 - Add Net Factor Income from Abroad: $GNP \text{ at MP} = GDP \text{ at MP} + NFIA$
 - Subtract Depreciation: $NNP \text{ at MP} = GNP \text{ at MP} - Dep$
 - Subtract Net Indirect Taxes: $NNP \text{ at FC} = NNP \text{ at MP} - NIT$
- Measurement of National Income – Expenditure Method
 - The expenditure method to measure national income can be understood by the equation given below:

- $Y = C + I + G + (X - M)$,
- where $Y = \text{GDP at MP}$, $C = \text{Private Sector's Expenditure on final consumer goods}$, $G = \text{Govt's expenditure on final consumer goods}$, $I = \text{Investment or Capital Formation}$, $X = \text{Exports}$, $M = \text{Imports}$, $X - M = \text{Net Exports}$

38. Answer: d

Explanation:

The correct answer is Dalip Singh Rana.

★ Key Points

- **Dalip Singh Rana** is an Indian American professional wrestler, popularly known as 'The Great Khali'.
- Dalip Singh Rana is an Indian professional wrestler, wrestling promoter, and actor.
- He is best known for his time in WWE under the ring name **The Great Khali**.
- He made his professional wrestling debut in **2000**.

★ Additional Information

- **Manish Singh Rawat** is a male Indian racewalker.
 - He competes in the 20 km and the 50 km events and is employed by the **Uttarakhand State Police**.
- **Satnam Singh Bhamara** is an Indian professional wrestler and former basketball player currently signed to All Elite Wrestling.
 - He became the first Indian player to be drafted into the **National Basketball Association**.
- **Paan Singh Tomar** was an Indian soldier, athlete, and later, Baaghi.
 - He served in the Indian Army.
 - He was a seven-time **national steeplechase champion** in the 1950s and 1960s, and represented India at the 1958 Asian Games.

39. Answer: a

Explanation:

The correct answer is Baisakhi.

★ Key Points

- **Baisakhi** festivals of Punjab is traditionally associated with the harvest of **rabi crops**.
- **Wheat crops** could be seen growing and swinging all across Punjab at this time of year.
- Sikhs hold kirtans, visit local Gurdwaras, and community fairs, hold Nagar kirtan processions, raise the Nishan Sahib flag, and gather to socialize and share festive foods.

★ Additional Information

- According to the Khalsa sambat, the Khalsa calendar starts with the creation of the Khalsa which is 1 Vaisakh 1756 Bikrami (13 April 1699).
- Vaisakhi has been the traditional Sikh New Year.
- The alternative Nanakshahi calendar begins its year a month earlier on 1 Chait which generally falls on 14 March and begins with the birth year of the Guru Nanak Dev in 1469.

★ Additional Information

- **Hola Mohalla**, also called Hola, is a three-day long Sikh festival which normally falls in March.
- **Maghi** is the regional name of the Hindu festival of Makar Sankranti celebrated in Punjab and Himachal Pradesh.
- **The Muktsar fair** is one of the largest Sikh fairs held in Muktsar Sahib commonly referred to as Muktsar.

40. Answer: a

Explanation:

The correct answer is Karnataka.

★ Key Points

- Karnataka is the largest producer of gold in India.
- The state has recoverable reserves of **17.5 million tonnes of gold ore containing 42,023 kg of metal, mainly in Kolar, Dharwad, Hassan and Raichur districts.**
- Some gold reserves are also reported from a number of scattered localities in **Gulbarga, Belgaum, Bellary, Mysore, Mandya, Chikmagalur and Shimoga districts.**
- This state used to produce about **88.7 per cent of India's gold.**

★ Additional Information

- Gold in its purest form is a bright, slightly reddish yellow, dense, soft malleable and ductile metal.
- It is one of the least reactive chemical elements and is solid under standard conditions.
- Gold is resistant to corrosion and their chemical reactions and its distinctive colour.
- The domestic demand is **mainly met through imports.**
- The consumption of gold produced in the world is about **50% in jewellery, 40% in investment, and 10% in industry.**
- There are three goldfields in the country, namely **Kolar Gold Field, Kolar district, Hutti Gold Field in Raichur district (both in Karnataka) and Ramgiri Gold Field in Anantpur district (Andhra Pradesh).**

41. Answer: a

Explanation:

The correct answer is Neerja Bhanot.

★ Key Points

- **Neerja Bhanot** is the first Indian woman to receive the **Ashoka Chakra**.
- She is the youngest recipient of **Ashoka Chakra in 1987**.
- Neerja Bhanot was the head purser for the airline who died while saving passengers on **Pan Am Flight 73** which had been hijacked by terrorists during a stopover in **Karachi, Pakistan, on 5 September 1986**.
- She was also awarded the **"Tagme-e-Insaniyat" (Pakistan)**, the Flight Safety Foundation Award and the Medal of Heroism of the National Society of the Sons of the American Revolution (U.S.A.).
- Neerja died at the age of **22 just 2 days before her 23rd birthday**.

★ Additional Information

- Sarojini Naidu was born on February 13, 1879.
 - She was famous for her nickname 'Nightingale of India' or 'Bharat Kokila' because of her poems.
 - Sarojini Naidu was not only a freedom fighter, but she also became the first woman governor of the United Provinces, the present Uttar Pradesh.
 - She was elected as the President of the Indian National Congress in 1925 because of her political and educational abilities.
- **Indira Priyadarshini Gandhi** was an Indian politician and a central figure of the Indian National Congress.
 - She was elected as the third prime minister of India in **1966 and was also the first and only female prime minister of India**.
- Kiran Bedi is a retired IPS Officer, Indian Politician, former tennis player, and social activist.
 - Kiran Bedi was the 24th Lieutenant Governor of Puducherry from 28th May 2016 to 16th February 2021.
 - She was the first female Indian Police Service (IPS) officer and started her service in 1975.
 - She also served as the Director-General of the Bureau of Police Research and Development (2005-2007) and Police Adviser and Director of the United Nations Police (2003-2005).
 - She got the Ramon Magsaysay award (1994), President's Police Medal (1979), United Nations Medal.

42. Answer: d

Explanation:

The correct answer is 63.82.

★ Key Points

- A person aged seven and above, who can both read and write with understanding in any language, is treated as **literate**.
- As per Census of India 2011, Bihar ranks the last in the overall ranking with a 63.8% literacy rate.

★ Additional Information

- According to the 2011 census :
 - The national literacy rate in the country is 74.04%.
 - The literacy rate among males is 82.14%.
 - The literacy rate among females is 65.46%.
 - Kerala retained the top with a 93.91% literacy rate.
 - Serchip in Mizoram is the most literate district in India with 98.23 % .
 - Alirajpur in Madhya Pradesh is the least literate district in India.
 - Lakshadweep is the most literate union territory in India with a 91.85% literacy rate.
 - Dadra Nagar Haveli is the least literate union territory in India with a 76.24% literacy rate.

43. Answer: b

Explanation:

The correct answer is Metabolism.

★ Important Points

- **Metabolism** is a broad term that includes all chemical reactions that occur in the body.
- All the biochemical reactions that are taking place inside the system are part of the metabolism that occurs in the system.
- **Theodor Schwann**, a German physician and physiologist invented the term, '**metabolism.**'
- Converting food into energy to run cellular processes.
- Converting food into building blocks for proteins, lipids, nucleic acids and carbohydrates.
- **Calcitonin** is a hormone known to participate in calcium and phosphorus metabolism.
- In the human system, **insulin controls the metabolism of carbohydrates.**

★ Additional Information

- **Respiration** is the movement of oxygen from the outside environment to the cells within tissues, and the removal of carbon dioxide in the opposite direction that's to the environment.
- **Excretion** is a process in which metabolic waste is eliminated from an organism.
- **Reproduction** is the biological process by which new individual organisms "offspring" are produced from their "parent" or parents.

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44. Answer: c

Explanation:

The correct answer is Gravity.

★ Key Points

- **Gravity** is a fundamental interaction which causes mutual attraction between all things with mass or energy.
- Hence it is not matter.
- Matters are generally categorized into 3 states:
 - Solid:

- Particles are held very close to each other and can't move.
- Solid ice, sugar, rock, wood.
- Liquid:
 - Particles are close to each other but they can move around.
 - Water, **Raindrops** and oil.
- Gas:
 - Particles are far from each other as compared to those present in solid or liquid states and their movement is easy and fast.
 - **Clouds**, Oxygen, carbon dioxide, nitrogen, hydrogen, helium, steam.

★ Confusion Points

- **Fire** is a 'matter' because it occupies space and since it is a mixture of gases, it must have some mass.

45. Answer: d

Explanation:

The correct answer is Gudem.

★ Key Points

- In the early 1920s, a militant guerrilla movement spread in the **Gudem** hills of Andhra Pradesh.
- In the Gudem hill of Andhra Pradesh, a militant Guerilla movement spread in the early 1920s, this movement was not similar to the Gandhiji non-cooperation movement yet the inspiration came from Gandhiji.
- The movement was basically a protest against forest laws.
- Here, as in other forest regions, the colonial government has closed the forest areas, preventing people from entering forests to graze their cattle or to collect firewood or fruits.

★ Additional Information

- **Nagari** is a town in Chittoor district of the Indian state of Andhra Pradesh.

- **The Nallamalas** are a section of the Eastern Ghats which forms the eastern boundary of Rayalaseema region of the state of Andhra Pradesh.
- **Palkonda Hills** are a range of hills that form a part of the Eastern Ghats in the southern Indian state of Andhra Pradesh.

46. Answer: d

Explanation:

The correct answer is Karnataka.

★ Key Points

- **Ranganathittu Bird Sanctuary** is located in **Karnataka**.
- It is the **largest bird sanctuary** in Karnataka.
- Other Bird Sanctuaries of Karnataka:
 - Mandagadde Bird Sanctuary.
 - Magadi Bird Sanctuary.
 - Bonal Bird Sanctuary.
 - Gudavi Bird Sanctuary.
 - Bankapura Peacock.
 - Attiveri Bird Sanctuary.
 - Ghataprabha Bird Sanctuary.
 - Adichunchanagiri Bird Sanctuary.

★ Additional Information

- **Andhra Pradesh**
 - Pulicat Lake Bird Sanctuary
 - Sri Penusila Narasimha Wildlife Sanctuary
 - Uppalapadu Bird Sanctuary
 - Topeka Bird Sanctuary
 - Nelapattu Bird Sanctuary
- **Kerala**
 - Kadalundi Bird Sanctuary
 - Kumarakom Bird Sanctuary

- Pathiramanal
- Thattekad Bird Sanctuary
- Mangalavanam Bird Sanctuary
- **Telangana**
 - Pakhal Lake And Wildlife Sanctuary, Warangal.
 - Eturnagaram Sanctuary, Warangal.
 - Pocharam Dam And Wildlife Sanctuary, Medak.
 - Kinnerasani Wildlife Sanctuary, Khammam.
 - Mrugavani National Park, Hyderabad.
 - KBR National Park, Hyderabad.
 - Mahavir Harina Vanasthali National Park, Hyderabad.

47. Answer: a

Explanation:

The correct answer is S Jaishankar.

★ Key Points

- The External Affairs Minister of the Republic of India, **S Jaishankar**, chaired the customary meeting of IBSA Foreign Ministers through video conferencing on **16 September 2020**.
- The Ministers exchanged views on various issues of global significance including peace, security, etc.
- They adopted and released the IBSA Joint Ministerial Statement on the **Reform of the UN Security Council**, as a common endeavour of the Global South.

★ Additional Information

- 10th IBSA Trilateral Ministerial Commission meeting was held in New York.
- It was held on 21 September 2022.
- It was chaired by External Affairs Minister Dr. S. Jaishankar.
- Minister of Foreign Affairs of Brazil Carlos Alberto Franco França and Minister of Health of South Africa Dr. Joe Phaahla were also present during the meeting.

- The Ministers reviewed the entire gamut of IBSA cooperation.
- IBSA- India-Brazil-South Africa
- IBSA Dialogue Forum was founded in 2003.

48. Answer: b

Explanation:

The correct answer is Editing the text.

★ Key Points

- The four stages in the making of a manuscript are
 - Preparing the paper
 - Writing the text
 - Melting gold to highlight important words and passages
 - Preparing the binding
- Hence **Editing the text is not the stage.**

★ Additional Information

- The Delhi Sultanate refers to the five Muslim kingdoms of Turkic and Pashtun (Afghan) origin that ruled the territory of Delhi between 1206 and 1526 CE. In the 16th century, the last of their line was overthrown by the Mughals, who established the Mughal Empire in India.
- The five dynasties included:
 - Mamluk Dynasty (1206–1290)
 - Khilji Dynasty (1290–1320)
 - Tughlaq Dynasty (1320–1414)
 - Sayyid Dynasty (1414–1451)
 - Afghan Lodi Dynasty (1451–1526)

49. Answer: d

Explanation:

The correct answer is Athens.

★ Key Points

- The **first Olympic Games** of the modern era opened in **Athens** from 6 to 15 April 1896. .
- The 1896 Summer Olympics , officially known as the Games of the I Olympiad , was the first international Olympic Games held in modern history.
- Organized by the International Olympic Committee (IOC), which had been created by French aristocrat Pierre de Coubertin.
- Fourteen nations (according to the IOC, though the number is subject to interpretation) and 241 athletes (all males; this number is also disputed) took part in the games.

★ Important Points

- The headquarters of the International Olympic Committee is in Lausanne, Switzerland .
- The President of the International Olympic Committee is Thomas Bach.

★ Additional Information

- The most widely accepted inception date for the Ancient Olympics is 776 BC.
- This is based on inscriptions , found at Olympia , listing the winners of a footrace held every four years starting in 776 BC.
- The Ancient Games featured running events, a pentathlon (consisting of a jumping event, discus and javelin throw, a foot race, and wrestling), boxing, wrestling, pankration, and equestrian events.

50. Answer: b

Explanation:

The correct answer is eye.

★ Key Points

- The human eye loses its power of accommodation at old age.
- The ability of the eye to focus on both, near and distant objects, by adjusting its focal length, is called the accommodation of the eye .
- The muscles in our eye can adjust the focus of the lens present in our eye to focus on different objects at different times at different distances.
- Due to this ability, our eye can focus on near as well as far away objects, and this ability is called the **power of accommodation**.
- The maximum power of accommodation of the eye for a person having normal vision ($d = 25 \text{ cm}$) is 4 Dioptre.

Diseases associated with eyes:

★ Additional Information

- Myopia - The human eye can see a nearby object clearly but cannot see far away object clearly.
- Hypermetropia - The human eye can see distant objects clearly but cannot see nearby objects clearly.
- Presbyopia - In this defect, both near and far objects are not clearly visible. It is an old age disease and it is due to the losing power of accommodation.
- Astigmatism - In this defect, the eye cannot see horizontal and vertical lines clearly, simultaneously. It is due to the imperfect spherical nature of the eye lens.

51. Answer: b

Explanation:

Given:

Listed price = Rs. 15000

Discount given = 18%

Desired final price = Rs. 10947

Concept used:

Selling price = List price - List price \times discount%

Calculation:

After discount the price becomes = $15000 - 15000 \times 18\%$

\Rightarrow Rs. 12300

Addition discount = $(12300 - 10947)/12300 \times 100\%$

$\Rightarrow 11\%$

\therefore An additional discount of 11% must be given to bring the net selling price to ₹10947.

52. Answer: a

Explanation:

Given:

A cylindrical pillar is 85 cm in diameter and 7 m in height.

Concept used:

Curved surface area of cylinder = $2\pi rh$

Here,

r = radius

h = height

Calculation:

Curved surface area of the cylindrical pillar = $2 \times (22/7) \times (85/200) \times 7$ [1 m = 100 cm]

$\Rightarrow 18.7 \text{ m}^2$

Now,

$$\text{Required cost} = 18.7 \times 20$$

$$\Rightarrow 374$$

\therefore The cost of painting the curved surface of the pillar at the rate of ₹20 per m² is ₹374.

53. Answer: b

Explanation:

Given:

$$\text{Actual discount} = 20\%$$

Concept used:

$$\text{Purchased price} = \text{Marked price} \times (100 - \text{discount})\%$$

Calculation:

Let the marked price of the sofa be $100x$

Now,

$$\text{Actual purchase price of the sofa for Gurpreet} = 100x \times (100 - 20)\%$$

$$\Rightarrow 80x$$

$$\text{If he got 30\% discount then purchase price} = 100x \times (100 - 30)\%$$

$$\Rightarrow 70x$$

Now,

$$80x - 70x = 1000$$

$$\Rightarrow 10x = 1000$$

$$\Rightarrow x = 100$$

So, actual purchase price of the sofa = 80×100

$$\Rightarrow 8000$$

\therefore She paid ₹8,000 for the sofa.

54. Answer: c

Explanation:

Given:

$$\text{Profit \%} = 10$$

Concept used:

$$\text{Selling price} = \text{Cost price} \times (100 + \text{profit}\%)$$

Calculation:

Let the cost price of the chair be $100x$

$$\text{So, actual selling price} = 100x \times (100 + 10)\%$$

$$\Rightarrow 110x$$

Now,

$$\text{Selling price in 15\% profit is there} = 100x \times (100 + 15)\%$$

$$\Rightarrow 115x$$

According to the question,

$$115x - 110x = 80$$

$$\Rightarrow 5x = 80$$

$$\Rightarrow x = 16$$

So, cost price = 100×16

$$\Rightarrow 1600$$

\therefore The cost price (in ₹) of the chair is 1600.

55. Answer: b

Explanation:

Given:

A train is going at $1/2$ of its usual speed and it takes an extra 60 minutes to reach its destination.

Concept used:

Speed is inversely proportional to time.

Calculation:

Let the speed of the train be $2x$

So, reduced speed = $2x \times 1/2$

$$\Rightarrow x$$

Ratio of speed of the train before and after = $2x : x$

Time ratio of the train before and after = $x : 2x$

According to the question,

$$2x - x = 60 \text{ min}$$

$$\Rightarrow x = 60 \text{ min or 1hr}$$

So, its usual time = 1 hour

∴ Its usual time to cover the same distance is 1 hour.

56. Answer: d

Explanation:

Given:

In a class 60% of the students are boys and the rest are girls.

40% of the boys and 70% of the girls pass in a test

The number of girls who failed is 42

Calculation:

Let total students be $100x$

So, boys = $100x \times 60\%$

⇒ $60x$

Girls = $100x - 60x$

⇒ $40x$

Now,

According to the question,

$40x \times 30\% = 42$

⇒ $12x = 42$

⇒ $x = 3.5$

So, number of boys = 60×3.5

⇒ 210

Number of boys failed = $210 \times 60\%$

$\Rightarrow 126$

\therefore The number of boys who failed will be 126.

57. Answer: c

Explanation:

Given:

Principal amount (P) = ₹72,800

Number of years (T) = 3

Rate of interest (R) = 10%

Formula used:

Total amount (A) = $P \times (1 + (R/100))^T$

C.I = Total amount – Principal amount

Calculation:

$A = 72800 (1 + 10/100)^3$

$\Rightarrow A = 72800(1 + 1/10)^3$

$\Rightarrow A = 72800(11/10)^3$

$\Rightarrow A = 72800 \times 1331/1000$

$\Rightarrow A = 96896.8$

C.I = $96896.8 - 72800 = 24096.80$

\therefore Required compound interest is ₹24 096.80.

58. Answer: b

Explanation:

Given:

A man distributed two different amounts of ₹45,000 and ₹18,000 among his sons A, B, and C.

The first amount of ₹45,000 was distributed in the ratio 3 : 7 : 5

The second amount ₹18,000 was distributed in the ration 4 : 2 : 3

Calculation:

In ₹45,000:

$$\text{Share of A} = 45000 \times \frac{3}{15}$$

$$\Rightarrow 9000$$

$$\text{Share of C} = 45000 \times \frac{5}{15}$$

$$\Rightarrow 15000$$

In ₹18,000:

$$\text{Share of A} = 18000 \times \frac{4}{9}$$

$$\Rightarrow 8000$$

$$\text{Share of C} = 18000 \times \frac{3}{9}$$

$$\Rightarrow 6000$$

$$\text{Total amount received by A} = 9000 + 8000$$

$$\Rightarrow 17000$$

$$\text{Total amount received by C} = 15000 + 6000$$

⇒ 21000

Difference = 21000 - 17000

⇒ 4000

∴ The difference between the shares of A and C is ₹4,000.

59. Answer: c

Explanation:

Given:

One side of a right-angled triangle is thrice the other.

The hypotenuse is 8 cm

Concept used:

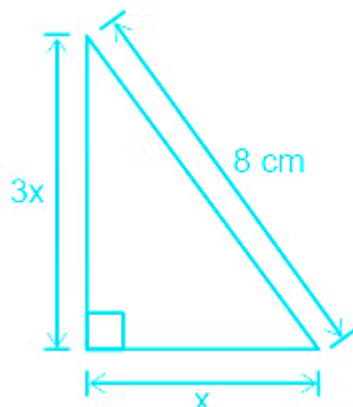
Area of a right angle triangle = $(1/2) \times p \times b$

Here,

p = perpendicular

b = base

Calculation:



Let the sides be $3x$ cm and x cm

Now,

$$3x^2 + x^2 = 8^2$$

$$\Rightarrow 9x^2 + x^2 = 64$$

$$\Rightarrow 10x^2 = 64$$

$$\Rightarrow x^2 = 64/10$$

Now,

$$\text{Area of the triangle} = (1/2) \times 3x \times x$$

$$\Rightarrow 1/2 \times 3x^2$$

$$\Rightarrow 1/2 \times 3 \times 64/10$$

$$\Rightarrow 96/10$$

$$\Rightarrow 9.6 \text{ cm}^2$$

\therefore The area of the triangle is 9.6 cm^2 .

Your Personal Exams Guide

60. Answer: a

Explanation:

Given:

A, B and C contested an election and received 1800, 3300 and 3900 votes

Calculation:

$$\text{Total votes} = 1800 + 3300 + 3900$$

$$\Rightarrow 9000$$

$$\text{Required \%} = (3300/9000) \times 100$$

$$\Rightarrow 36.66 \approx 36.67\%$$

\therefore B got 36.67%(correct to two decimal places).

61. Answer: c

Explanation:

Given:

John can complete a piece of work in 6 days working 8 hours each day

Manu can complete it in 3 days working 4 hours each day

Concept used:

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

Calculation:

Let efficiency of John be x units/hour

$$\text{So, total work} = 6 \times 8x$$

$$\Rightarrow 48x$$

Now,

$$\text{Efficiency of Manu} = 48x / (3 \times 4)$$

$$\Rightarrow 4x$$

$$\text{Effective efficiency} = x + 4x$$

$$\Rightarrow 5x$$

$$\text{Time} = \left(\frac{48x}{\frac{48}{5} \times 5x} \right)$$

$$\Rightarrow 48x/48x$$

$$\Rightarrow 1 \text{ day}$$

\therefore Required time is 1 day.

62. Answer: a

Explanation:

Given:

Numbers = 415, 688, 825

Remainders = 7, 8 and 9

Concept used:

For this type of question we take HCF of the divisible numbers as the required number

Calculation:

Numbers which are fully divisible = $415 - 7 = 408$, $688 - 8 = 680$, $825 - 9 = 816$

Now,

$$408 = 2^3 \times 3 \times 17$$

$$680 = 2^3 \times 5 \times 17$$

$$816 = 2^4 \times 3 \times 17$$

$$\text{So, HCF} = 2^3 \times 17$$

$$\Rightarrow 8 \times 17$$

$$\Rightarrow 136$$

\therefore Required answer is 136.

63. Answer: b

Explanation:

Given:

The ratio of monthly income to the expenditure of a family is 14 : 11.

The monthly savings of the family is ₹13,500.

Calculation:

Let the income and expenditure of the family be $14x$ and $11x$

Now,

$$14x - 11x = 13500$$

$$\Rightarrow 3x = 13500$$

$$\Rightarrow x = 13500/3$$

$$\Rightarrow x = 4500$$

$$\text{So, } 14x = 14 \times 4500$$

$$\Rightarrow 63000$$

So, the income of the family = ₹63000

\therefore The monthly income of the family is ₹ 63000.

64. Answer: a

Explanation:

Given:

A can complete a project in 10 days and B can complete the same project in 15 days.

Concept used:

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

Calculation:

LCM of 10 and 15 is 30 i.e total work

So, the efficiency of A and B = $30/10 = 3$ units/day, $30/15 = 2$ units/day

Let after x days the work will complete

So,

$$3 \times x + 2 \times (x - 5) = 30$$

$$\Rightarrow 3x + 2x - 10 = 30$$

$$\Rightarrow 5x = 40$$

$$\Rightarrow x = 40/5$$

$$\Rightarrow x = 8$$

\therefore The work will complete in 8 days.

65. Answer: a

Explanation:

Given:

$$6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{13} \times \left(\frac{5}{2} - \frac{1}{3} \right) \right\} \right]$$

Concept used:

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

Calculation:

$$6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{13} \times \left(\frac{5}{2} - \frac{1}{3} \right) \right\} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{13} \times \left(\frac{15-2}{6} \right) \right\} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{13} \times \frac{13}{6} \right\} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{5}{4} - \frac{1}{6} \right\} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{9}{4} + \left\{ \frac{15-2}{12} \right\} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{9}{4} + \frac{13}{12} \right]$$

$$\Rightarrow 6\frac{1}{3} - \left[\frac{27+13}{12} \right]$$

$$\Rightarrow \frac{19}{3} - \frac{40}{12}$$

$$\Rightarrow \frac{76-40}{12}$$

$$\Rightarrow \frac{36}{12}$$

$$\Rightarrow 3$$

∴ Required answer is 3.

66. Answer: b

Explanation:

Given:

Sum = Rs. 5000

Rate = 9%

Concept used:

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

$$\text{Amount} = S.I + P$$

Here,

P = Sum

T = Time

R = Rate

Calculation:

Let the time be T

Now, **Your Personal Exams Guide**

$$S.I = 6800 - 5000$$

$$\Rightarrow 1800$$

So,

$$1800 = (5000 \times T \times 9)/100$$

$$\Rightarrow 450T = 1800$$

$$\Rightarrow T = 1800/450$$

$$\Rightarrow T = 4$$

∴ Required time is 4 years.

67. Answer: c

Explanation:

Given:

A sold an article to B at 25% profit, who sold it to C at 20% profit. C sold it to D at 45 % loss

Concept used:

Selling price = Cost price \times (100 + profit)%

Selling price = Cost price \times (100 - loss)%

Calculation:

Let the cost price of the article to A be 100x

Now,

Selling price of A = $100x \times (100 + 25)\%$

$\Rightarrow 100x \times 125\%$

$\Rightarrow 125x$ i.e cost price of B

Again,

Selling price of B = $125x \times (100 + 20)\%$

$\Rightarrow 125x \times 120\%$

$\Rightarrow 150x$ i.e cost price of C

Selling price of C = $150x \times (100 - 45)\%$

$\Rightarrow 150x \times 55\%$

$\Rightarrow 82.5x$ i.e cost price of D

Now,

$$82.5x = 330$$

$$\Rightarrow x = 330/82.5$$

$$\Rightarrow x = 4$$

So, cost price of B = 125×4

$$\Rightarrow 500$$

\therefore B bought the article (in ₹) for 500.

68. Answer: b

Explanation:

Given:

The average of five numbers a, b, c, d and e is 150.

The average of the first three numbers a, b and c is 130

Concept used:

Average = Sum of elements/Number of elements

Calculation:

$$\text{Total of } a + b + c + d = 150 \times 5$$

$$\Rightarrow 750$$

$$\text{Total of } a + b + c = 130 \times 3$$

$$\Rightarrow 390$$

Now,

$$\text{Total of } d + e = 750 - 390$$

$$\Rightarrow 360$$

$$\text{Average of } d \text{ and } e = 360/2$$

$$\Rightarrow 180$$

\therefore The average of the last two numbers d and e is 180.

69. Answer: d

Explanation:

Given:

The cost price is 84% of the selling price

Concept used:

$$\text{Profit \%} = (\text{Profit}/\text{Cost price}) \times 100$$

Calculation:

$$\text{Cost price} = (84/100) \times \text{Selling price}$$

$$\Rightarrow 100 \text{ Cost price} = 84 \text{ Selling price}$$

$$\Rightarrow \text{Cost price}/\text{Selling price} = 84/100$$

$$\Rightarrow \text{Cost price}/\text{Selling price} = 21/25$$

So, ratio of cost price : selling price = 21 : 25

$$\text{So, profit} = 25 - 21 = 4$$

$$\text{Profit\%} = (4/21) \times 100$$

$$\Rightarrow 19\frac{1}{21} \%$$

∴ The profit percentage is $19\frac{1}{21} \%$.

70. Answer: d

Explanation:

Given:

$$3 \times [5 - 1 \div 2 - \{3 + (4 - 2 \div 2) - (15 \div 5 \text{ of } 3)\}]$$

Concept used:

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

Calculation:

$$3 \times [5 - 1 \div 2 - \{3 + (4 - 2 \div 2) - (15 \div 5 \text{ of } 3)\}]$$

$$\Rightarrow 3 \times [5 - 1 \div 2 - \{3 + (4 - 2 \div 2) - (15 \div 15)\}]$$

$$\Rightarrow 3 \times [5 - 1 \div 2 - \{3 + (4 - 1) - 1\}]$$

$$\Rightarrow 3 \times [5 - 1 \div 2 - \{3 + 3 - 1\}]$$

$$\Rightarrow 3 \times [5 - 1 \div 2 - \{6 - 1\}]$$

$$\Rightarrow 3 \times [5 - 1 \div 2 - 5]$$

$$\Rightarrow 3 \times [5 - 1/2 - 5]$$

$$\Rightarrow 3 \times -1/2$$

$$\Rightarrow -\frac{3}{2}$$

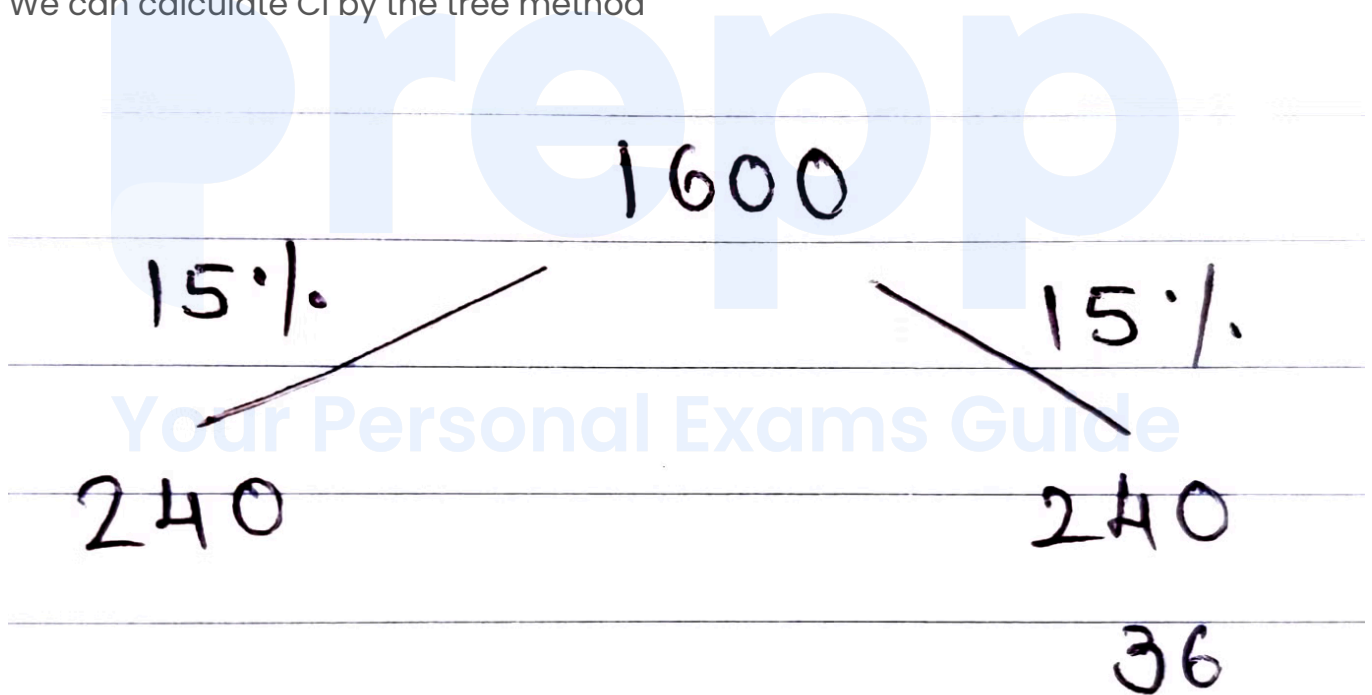
\therefore Required answer is $-\frac{3}{2}$.

71. Answer: d

Explanation:

★ Shortcut Trick

We can calculate CI by the tree method



$$CI = 240 + 240 + 36 = 516$$

\therefore The required compound interest is ₹516.

★ Alternate Method

Given:

Principal amount (P) = ₹1600

Number of years (T) = 2

Rate of interest (R) = 15%

Formula used:

Total amount (A) = $P(1 + R/100)^T$

C.I = Total amount – Principal amount

Calculation:

$$A = 1600(1 + 15/100)^2$$

$$\Rightarrow A = 1600(1 + 3/20)^2$$

$$\Rightarrow A = 1600(23/20)^2$$

$$\Rightarrow A = 1600 \times 529/400$$

$$\Rightarrow A = 2116$$

$$C.I = 2116 - 1600$$

$$\Rightarrow 516$$

∴ The required compound interest is ₹ 516 .

72. Answer: d

Explanation:

Given:

Average of age of five person = 28

Average age after exclusion of 1 person = 26

Formula used:

$$\text{Average} = (\text{Sum of values}) / (\text{Total number of values})$$

Calculation:

$$\text{Sum of age of five person} = 28 \times 5$$

$$\Rightarrow 140$$

$$\text{Sum of age of four numbers} = 26 \times 4$$

$$\Rightarrow 104$$

$$\text{Age of excluded person} = 140 - 104$$

$$\Rightarrow 36$$

\therefore The age of the excluded person in yrs is 36.

73. Answer: b

Explanation:

Given: Your Personal Exams Guide

A box contains 25p and 10p in the ratio 6 : 5, amounting to ₹226.

Calculation:

Let the number of 25p and 10p coins be 6x and 5x

Now,

$$25 \times 6x + 10 \times 5x = 226 \times 100 \quad [\text{As } ₹1 = 100\text{p}]$$

$$\Rightarrow 150x + 50x = 22600$$

$$\Rightarrow 200x = 22600$$

$$\Rightarrow x = 113$$

So, number of 10p coins = 113×5

$$\Rightarrow 565$$

\therefore The number of 10p coins is 565.

74. Answer: c

Explanation:

Given:

A train covers a distance of 325 km in $2\frac{1}{2}$ hours with a uniform speed.

Concept used:

$$\text{Speed} = \text{Distance}/\text{Time}$$

Calculation:

$$2\frac{1}{2} = \frac{5}{2} \text{ hours}$$

$$\text{Speed} = \frac{325}{\frac{5}{2}}$$

$$\Rightarrow \text{Speed} = 65 \times 2$$

$$\Rightarrow \text{Speed} = 130 \text{ km/h}$$

Now,

$$\text{Required time} = 650/130$$

$$\Rightarrow 5 \text{ hours}$$

\therefore The time taken (in hours) to cover a distance of 650 km at the same speed is 5.

75. Answer: a

Explanation:

Given:

The ratio of four positive numbers is 5 : 8 : 12 : 18

LCM is 2880

Calculation:

Let the numbers be $5x$, $8x$, $12x$ and $18x$

Now,

LCM of $5x$, $8x$, $12x$ and $18x = 360x$

According to the question,

$$360x = 2880$$

$$\Rightarrow x = 2880/360$$

$$\Rightarrow x = 8$$

Now,

Difference between the greatest and the smallest = $18 \times 8 - 5 \times 8$

$$\Rightarrow 8(18 - 5)$$

$$\Rightarrow 8 \times 13$$

$$\Rightarrow 104$$

\therefore The difference between the greater and the small number is 104.

76. Answer: a

Explanation:

The correct answer is '**were trapped**'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, '**were trapped**' should be used instead of 'trapped'.
- Each clause needs a subject and a **verb**. In some cases, the best verb to use is a simple 'is' or 'was' (or some other form of the verb to be).
- In other cases, you may need to add the **main** verb, an auxiliary verb, or multiple **auxiliary verbs**.
- The given sentence is in the **passive voice**.
- To make a past passive form we use **was/were + past participle** of the verb.
 - Example: This problem **was solved** last week.
- Thus, the correct answer is **Option 1**.

Correct Sentence: The ceiling, which had cracks, caved in and several people **were trapped**.

Your Personal Exams Guide

77. Answer: c

Explanation:

The correct answer is '**Shine**'.

★ Key Points

- The most appropriate synonym of the given word '**Gleam**' is '**Shine**'.
- **Gleam** : shine brightly, especially with reflected light. (उज्ज्वल रूप से चमकें, विशेष रूप से परावर्तित प्रकाश के साथ)
 - Example: In the light from the hall, her hair had a golden **gleam**.

- **Shine** : (of the sun or another source of light) gives out a bright light. [(सूर्य या प्रकाश के किसी अन्य स्रोत का) एक उज्ज्वल प्रकाश देँ]
 - *Example: It is a mild morning and the sun is **shining**.*

Correct Answer: Shine.

★ Additional Information

- Let's look at the meaning of other words:
 - **Slow** : moving, doing something, or happening without much speed; not fast. (धीमी गति से चलते, करते या घटित होते हुए, धीमा या धीमे; वेग से नहीं, मंद)
 - **Dull** : not interesting or exciting; boring. (अरुचिकर या अनुत्तेजक; उबाऊ)
 - **Fade** : to become or make something become lighter in colour or less strong or fresh. (किसी वस्तु का रंग फीका पड़ जाना या क्षीण होना)

78. Answer: d

Explanation:

The correct answer is 'reminds'.

★ Key Points

- The most appropriate word for the given blank is 'reminds'.
- It means 'to cause somebody to remember somebody/something'. (किसी को किसी व्यक्ति या वस्तु की याद दिलाना)
 - *Example: Can you **remind** me of your address?*
- In the given context 'remind someone of' is a phrasal verb.
- It means 'to cause (someone) to remember (something)'.
- Thus, the correct answer is **Option 4**.

Correct Sentence: Sunanda **reminds** me of my school friend whom I haven't seen for many years.

★ Additional Information

- Let's look at the meaning of other words:

- **recalls** : to remember something (a fact, event, action, etc.) from the past. [अतीत की कोई बात (तथ्य, घटना, क्रिया आदि) याद करना]
- **remembers** : to have somebody/something in your mind or to bring somebody/something back into your mind. (व्यक्ति या वस्तु का ध्यान रहना या उसे याद करना)
- **recollects** : to remember something, especially by making an effort. [किसी बात को याद करना (विशेषतः कुछ प्रयास के पश्चात)]

79. Answer: b

Explanation:

The correct answer is ' **Small** '.

★ Key Points

- The most appropriate antonym of the given word ' **Vast** ' is ' **Small** '.
- **Vast** : extremely big. (बहुत बड़ा, विशाल, विस्तृत)
 - *Example: a **vast** sum of money...*
- **Small** : not large in size, number, amount, etc. [छोटा (आकार, संख्या, मात्रा आदि की दृष्टि से)]
 - *Example: a **small** car/flat/town...*

Correct Answer: *Small.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Limitless** : without end, limit, or boundary. (बिना अंत, सीमा या सीमा के)
 - **Gigantic** : extremely big. (अत्यधिक बड़ा; विशाल, विराट)
 - **Huge** : very big. (बहुत बड़ा, विशाल)

80. Answer: d

Explanation:

The correct answer is ' **Matinee** '.

★ Key Points

- The most appropriate word for the given group of words is ' **Matinee** '.
- It means 'an afternoon performance of a play, film, etc. (किसी नाटक, फ़िल्म आदि का अपराह्नकालीन प्रदर्शन)'.
 - *Example: To save a couple of dollars, try going to a **matinee** showing.*

Correct Answer: *Matinee.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Spectacle** : something that is impressive or shocking to look at. (प्रभावशाली या विक्षोभकारी दृश्य; नज़ारा)
 - **Performance** : the act of performing something in front of an audience; something that you perform. (दर्शकों के सामने कार्यक्रम प्रस्तुत करने की क्रिया; कार्यक्रम)
 - **Movie** : a cinema film. (एक सिनेमा फिल्म)

81. **Answer:** a

Your Personal Exams Guide

Explanation:

The correct answer is '**Likely to happen**'.

★ Key Points

- The most appropriate meaning of the given idiom '**On the cards**' is '**Likely to happen**'.
- **On the cards**: likely to happen. (संभावित)
 - *Example: Their marriage has been **on the cards** for some time now.*

Correct Answer: *Likely to happen.*

82. Answer: b

Explanation:

The erroneous part is '**Neither of them have**'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, '**Neither of them has**' should be used instead of '**Neither of them have**'.
- The structure of these kinds of sentences is:
 - Neither of + Plural Noun/Pronoun+Singular Verb.
 - *Example: Neither of them looks after him.*
 - Either of + Plural Noun/Pronoun+Singular Verb.
 - *Example: Either of them is at fault.*
- Hence, according to the above structures '**has**' should be used.
- Thus, the correct answer is **Option 2**.

Correct Sentence:*Neither of them has any experience in software development.*

83. Answer: a

Explanation:

The correct answer is '**Repent**'.

★ Key Points

- The most appropriate synonym of the given word '**Regret**' is '**Repent**'.
- **Repent**: to feel and show that you are sorry about something bad that you have done. [पछताना, पश्चात्ताप करना (किसी बुरे काम के लिए)]
 - *Example: to **repent** of your sins...*
- **Regret**: to feel sorry that you did something or that you did not do something. [दुखी या खिन्न होना (कुछ कर देने या न कर पाने के लिए)]

- Example: I hope you won't **regret** your decision later.

Correct Answer: Repent.

★ Additional Information

- Let's look at the meaning of other words:
 - **Repeat** : to say, write or do something again or more than once. (किसी बात को दोबारा या अनेक बार कहना, लिखना या करना)
 - **Relieve** : to make an unpleasant feeling or situation stop or get better. (कष्ट या चिंता में राहत पहुँचाना)
 - **Receive** : to get or accept something that somebody sends or gives to you. [प्राप्त या स्वीकार करना (दूसरे के द्वारा भेजी या दी गई वस्तु को)]

84. Answer: d

Explanation:

The erroneous part is 'that it will be causing'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, 'that it would cause' should be used instead of 'that it will be causing'.
- The given sentence is in the **past tense**.
- So, the use of **future continuous tense** is wrong.
- Thus, the correct answer is **Option 4**.

Correct Sentence: The air in the city is so polluted **that it would cause** several kinds of respiratory illnesses.

85. Answer: b

Explanation:

The correct answer is 'Talks well and persuasively'.

★ Key Points

- The most appropriate meaning of the given idiom 'Having the gift of the gab' is 'Talks well and persuasively'.
- **Having the gift of the gab:** the ability to speak with eloquence and fluency. (वाक्पटुता और प्रवाह के साथ बोलने की क्षमता)
 - *Example: My friend had the **gift of the gab** and gradually defused the situation.*

Correct Answer: Talks well and persuasively.

86. Answer: b

Explanation:

The correct answer is 'compatible'.

★ Key Points

- The most appropriate word for the given blank is 'compatible'.
- It means 'suitable to be used together, or to live or exist together'. [एक-दूसरे के साथ संगत; एक-दूसरे के अनुकूल (प्रयोग करने में या साथ रहने में)]
 - *Example: These two computer systems are not **compatible**.*
- Thus, seeing the above definition we find that the correct answer is **Option 2**.

Correct Sentence: The company entered the Indian market very late because they did not get a **compatible** partner.

★ Additional Information

- Let's look at the meaning of other words:
 - **consequent** : following as the result of something else. (फलस्वरूप, परिणामस्वरूप)
 - **conformity** : compliance with standards, rules, or laws. (अनुरूपता, अनुकूलता)

- **coordinated** : to organize different things or people so that they work together. (वस्तुओं या व्यक्तियों के बीच समन्वय स्थापित करना ताकि वे मिल-जुलकर काम कर सकें; तालमेल बनाना)

87. Answer: a

Explanation:

The correct answer is ' **Sorrow** '.

★ Key Points

- The most appropriate antonym of the given word ' **Bliss** ' is ' **Sorrow** '.
- **Bliss** : perfect happiness. (परमानंद, चटम सुखा)
 - *Example: The first six months of marriage were sheer **bliss** .*
- **Sorrow** : a feeling of great sadness because something bad has happened. [गहरी खिन्नता, दुख, उदासी (अप्रिय घटना के कारण)]
 - *Example: He expressed **sorrow** for having caused the accident.*

Correct Answer: *Sorrow.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Pleasure** : the feeling of being happy or satisfied. (प्रसन्नता या संतुष्टि)
 - **Ecstasy** : a feeling or state of great happiness. (आह्लाद और आनंद की भावना; हर्षोन्माद)
 - **Happiness** : the state of being happy. (प्रसन्नता, खुशी)

88. Answer: d

Explanation:

The correct answer is ' **wandered** '.

★ Key Points

- The most appropriate word for the given blank is ' **wandered** '.
- It means 'to walk away from a place where you ought to be or the people you were with'. (रास्ते से भटक जाना या साथ के लोगों से अलग हो जाना)
 - *Example: We must stay together while visiting the town so I don't want anybody to **wander** off.*
- Thus, as per the meaning described above we find that the correct answer is **Option 4**.

Correct Sentence: *One the last day of the voyage, the ship was caught in a hurricane and the crew wandered from their set course.*

★ Additional Information

- Let's look at the meaning of other words:
 - **embarrassed** : feeling uncomfortable or shy because of something silly you have done, because people are looking at you, etc. (सबके सामने लज्जित अनुभव करना)
 - **enhanced** : to improve something or to make something look better. (बेहतर दिखने के लिए, किसी वस्तु में सुधार लाना)
 - **channeled** : to make something move along a particular path or route. (पथ या मार्ग विशेष से कुछ ले जाना)

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89. Answer: a

Explanation:

The correct answer is ' **frequently** '.

★ Key Points

- The most appropriate word for the given blank is ' **frequently** '.
- It means 'regularly or habitually; often'. (बार-बार)
 - *Example: I went there **frequently** to observe their habits.*
- The word 'quite' qualifies the adverb ' **frequently** '.

- Thus, the correct answer is **Option 1**.

Correct Sentence: *Ramesh visits his hometown quite frequently.*

★ **Additional Information**

- Let's look at the meaning of other words:
 - **recently** : not long ago. (अधिक पहले नहीं, हाल ही में)
 - **purposely** : with a particular intention. (विशेष इरादे से)
 - **lately** : in the period of time up until now; recently. (अब तक के समय में; हाल में, अभी)

90. **Answer: d**

Explanation:

The correct answer is '**Indelible**'.

★ **Key Points**

- The most appropriate word for the given group of words is '**Indelible**'.
- It means 'that cannot be removed or washed out'. (जो हटाया या धोया न जा सके; अमिट, अलोप्य, स्थायी)
 - *Example: indelible ink...*

Correct Answer: *Indelible.*

★ **Additional Information**

- Let's look at the meaning of other words:
 - **Stained** : to leave a coloured mark that is difficult to remove. [धब्बा या दाग लगना (जो आसानी से साफ़ न हो सके)]
 - **Smudge** : to make something dirty or untidy by touching it. [किसी चीज़ को (छूकर) गंदा या मैला करना; धब्बे डालना]
 - **Incredible** : impossible or very difficult to believe. (जिस पर विश्वास करना असंभव या बहुत कठिन हो; अविश्वसनीय)

91. Answer: d

Explanation:

The correct answer is **'has escaped from'**.

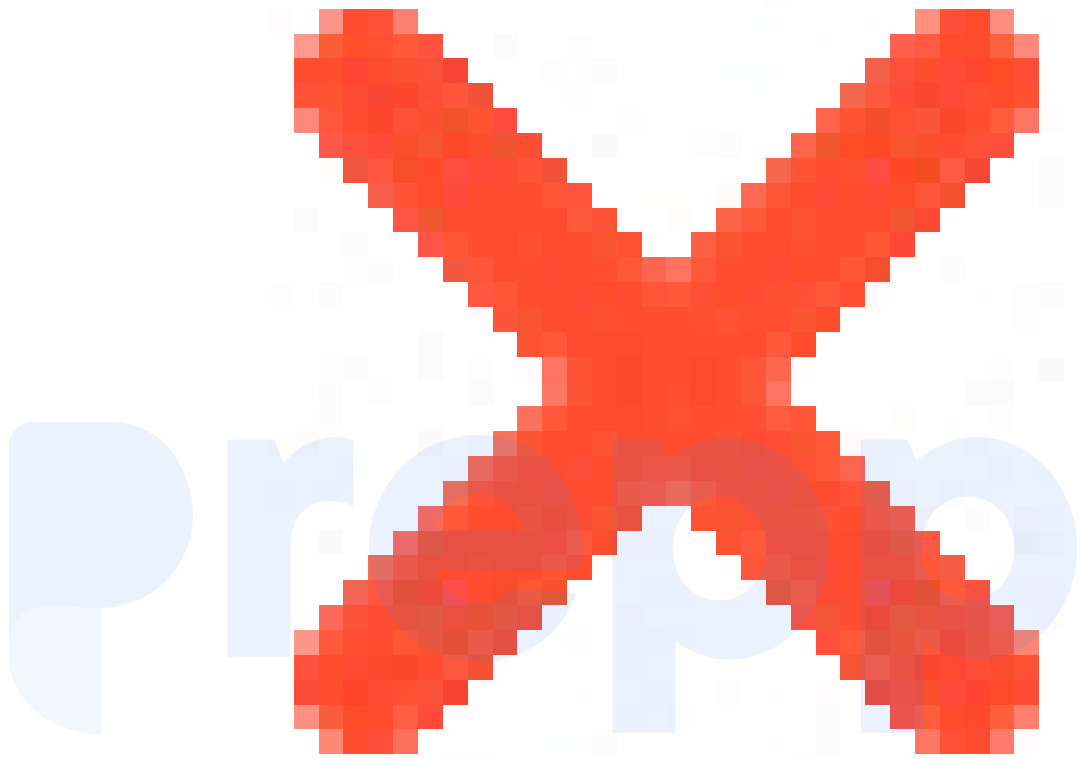
★ Key Points

- The given sentence is grammatically incorrect.
- Here, **'has escaped from'** should be used instead of **'have escaped from'**.
- We know that if two subjects are connected with 'neither...nor','either...or', 'not only...but also', 'or', etc. then the verb should be used according to the nearest subject of the sentence.
- *Example:*

prepp

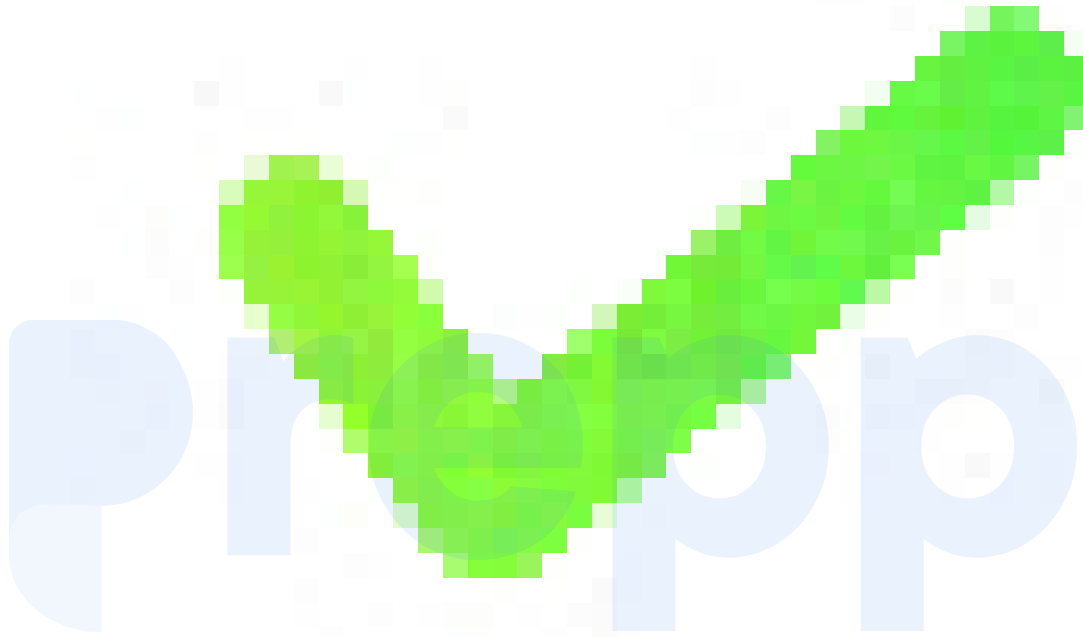
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- *Either Rohit or Rakesh **have** come.*



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- *Either Rohit or Rakesh **has** come.*



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- In the given sentence the nearest subject is 'the lion' which is singular . Hence, a singular helping verb should be used.
- Therefore, as per the points mentioned above, we find that the correct answer is Option 4.

Correct Sentence:*Either the bear or the lion has escaped from the zoo.*

92. Answer: b

Explanation:

The erroneous part is 'at long hours'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, 'for long hours' should be used instead of 'at long hours'.
- We use for with a period of time to refer to duration (how long something lasts).
 - *Example: We usually go there for a couple of hours in the evenings when it's warm enough.*
- Thus, the correct answer is **Option 2**.

Correct Sentence: *The students were tired after working for long hours.*

93. Answer: a

Explanation:

The erroneously spelt word is 'Excepsional'.

★ Key Points

- Among the given Options the incorrectly spelt word is 'Excepsional'.
- Its correct spelling is 'Exceptional'.
- It means 'very unusual; unusually good'. (बहुत असाधारण; असामान्य रूप से अच्छा)
 - *Example: You will only be allowed to leave early in exceptional circumstances.*

Correct Answer: *Excepsional*.

★ Additional Information

- Let's look at the meaning of other words:

- **Intensify** : to become or to make something greater or stronger. (तीव्रतर, प्रबल या उग्रतर हो जाना या कर देना)
- **Integrated** : to join things so that they become one thing or work together. (वस्तुओं को ऐसे जोड़ना कि वे एक हो जाएँ या साथ काम करें; एकीकृत करना)
- **Imperative** : very important or urgent. (बहुत महत्वपूर्ण या आवश्यक; अत्यावश्यक)

94. Answer: c

Explanation:

The incorrectly spelt word is ' **Influence** '.

★ **Key Points**

- Among the given Options the incorrectly spelt word is ' **Influence** '.
- Its correct spelling is ' **Influence** '.
- It means 'the power to affect, change or control somebody/something'. (व्यक्ति या वस्तु को प्रभावित, परिवर्तन या नियंत्रित करने की शक्ति)
 - *Example: Television can have a strong **influence** on children.*

Correct Answer: *Influence.*

★ **Additional Information**

- Let's look at the meaning of other words:
 - **Superior** : better than usual or than somebody/something else. (सामान्य या अन्य से श्रेष्ठ, अधिक उत्कृष्ट)
 - **Intermediate** : situated between two things in position, level, etc. (पद, स्तर आदि की दृष्टि से दो वस्तुओं के बीच स्थिति; मध्यवर्ती)
 - **Interfere** : to get involved in a situation which does not involve you and where you are not wanted. [स्वयं अलिप्त रहते हुए दूसरे के मामले में (उसकी इच्छा के विरुद्ध) लिप्त होना, दखल देना; हस्तक्षेप करना]

95. Answer: d

Explanation:

The correct answer is ' **Obsolete** '.

★ Key Points

- The most appropriate word for the given group of words is ' **Obsolete** '.
- It means 'no longer useful because something better has been invented'. [प्रयोग की दृष्टि से पुरानी पड़ चुकी (क्योंकि उसका स्थान नई वस्तु ने ले लिया है); प्रयोगबाह्य, अब अप्रचलित, अव्यवहृत]
 - *Example: New technology has rendered my old computer **obsolete** .*

Correct Answer: *Obsolete.*

★ Additional Information

- Let's look at the meaning of other words:
 - **Absolute** : complete; total. (पूरा, समूचा, संपूर्ण)
 - **Broken** : damaged or in pieces; not working. (टूटा हुआ, खंडित; बेकार, खराब, चालू हालत में न होना)
 - **Damaged** : to spoil or harm something, for example by breaking it. [हानि पहुँचाना, नुकसान करना (जैसे कुछ तोड़ देना)]

96. Answer: c

Explanation:

The correct answer is ' **at** '.

★ Key Points

- The given passage is about the author's visit to 'The Indian Institution of **Advanced Study**'.
- The most appropriate preposition in the first blank is ' **at** '.
- It is 'used to show an exact position or particular place'.
 - *Example: We'll meet you **at** the entrance.*
- Thus, the correct answer is **Option 3**.

Correct Passage: My experience **at** the Indian Institution of Advanced Study, Shimla will always be (2)_____. The beauty of (3)_____ place can never be forgotten. The academic (4)_____ coupled with the (5)_____ aspect of the place make it worth visiting.

97. Answer: b

Explanation:

The correct answer is ' **memorable** '.

★ Key Points

- The given passage is about the author's visit to 'The Indian Institution of Advanced Study'.
- The most appropriate word for the second blank is ' **memorable** '.
- It means 'worth remembering or easy to remember'. (स्मरणीय, स्मरण करने योग्य या जिसे स्मरण करना सरल हो)
 - *Example: It was a truly **memorable** experience.*
- Thus, the correct answer is **Option 2**.

Correct Passage: My experience at the Indian Institution of Advanced Study, Shimla will always be **memorable**. The beauty of (3)_____ place can never be forgotten. The academic (4)_____ coupled with the (5)_____ aspect of the place make it worth visiting.

★ Additional Information

- Let's look at the meaning of other words:
 - **overcome** : to manage to control or defeat somebody/something. (व्यक्ति या वस्तु को पराजित या नियंत्रित कर लेना)
 - **memoir** : a historical account or biography written from personal knowledge. (व्यक्तिगत ज्ञान से लिखित एक ऐतिहासिक खाता या जीवनी)
 - **eligible** : having the right to do or have something. (कुछ करने या कुछ पाने का अधिकार रखने वाला; उपयुक्त)

98. Answer: a

Explanation:

The correct answer is ' **the** '.

★ Key Points

- The given passage is about the author's visit to 'The Indian Institution of Advanced Study'.
- The most appropriate word for the third blank is ' the '.
- In the third filler, ' **the** ' should be used because definite article 'the' should be used with the places that are already mentioned. In the given sentence it is referring to '**The Indian Institute of Advanced Study**'.
 - *Example: We had to paint the apartment before we sold it. (The speaker and the listener know what apartment is being referred to.)*
- Thus, the correct answer is **Option 1**.

Correct Passage: My experience at the Indian Institution of Advanced Study, Shimla will always be memorable . The beauty of **the** place can never be forgotten. The academic (4)_____ coupled with the (5)_____ aspect of the place make it worth visiting.

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99. Answer: d

Explanation:

The correct answer is ' **environment** '.

★ Key Points

- The given passage is about the author's visit to 'The Indian Institution of Advanced Study'.
- The most appropriate word for the fourth blank is ' environment '.

- It means 'the conditions in which you live, work, etc. (रहने, काम करने आदि की परिस्थितियाँ; वातावरण)'.
 - *Example: a pleasant working **environment** ...*
- Thus, seeing the above definition we find that the correct answer is **Option 4**.

Correct Passage: *My experience at the Indian Institution of Advanced Study, Shimla will always be memorable. The beauty of the place can never be forgotten. The academic **environment** coupled with the (5)_____ aspect of the place make it worth visiting.*

★ Additional Information

- Let's look at the meaning of other words:
 - **adventure** : an experience or event that is very unusual, exciting, or dangerous. (असाधारण, उत्तेजक और संकटपूर्ण अनुभव या घटना)
 - **argument** : an angry discussion between two or more people who disagree with each other. (विवाद, झगड़ा, बहस)
 - **ambivalence** : the state of having mixed feelings or contradictory ideas about something or someone. (उभयमुखिता, द्वैधवृत्ति मनोवृत्ति, दुतरफ़ापन)

100. **Answer: c**

Explanation:

The correct answer is ' **historical** '.

★ Key Points

- The given passage is about the author's visit to 'The Indian Institution of Advanced Study'.
- The most appropriate word for the fifth blank is ' historical '.
- It means 'that really lived or happened; connected with real people or events in the past'. (वास्तविक, भौतिक अस्तित्व वाला; इतिहास से संबंधित, ऐतिहासिक)
 - *Example: **historical** events/records...*
- Thus, the correct answer is **Option 3**.

Correct Passage: *My experience at the Indian Institution of Advanced Study, Shimla will always be memorable. The beauty of the place can never be forgotten. The academic environment coupled with the **historical** aspect of the place make it worth visiting.*

★ Additional Information

- Let's look at the meaning of other words:
 - **astrological** : relating to astrology. (ज्योतिष से संबंधित)
 - **biological** : connected with the scientific study of animals, plants and other living things. (पशु-पौधों आदि सजीवों के वैज्ञानिक अध्ययन से संबंधित; प्राणिविज्ञान या जीवविज्ञान संबंधी)



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