

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



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC GD Constable 2021 (English) Prev. Year Paper (03-Dec-2021) (Shift 2)

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. L has two children and he is the only son of G, who is the father-in-law of T. (+1, -0.25)
T has only one son. T is the mother of P. Q is not the granddaughter of G. P and Q are siblings. How is T related to Q?

- a. Mother
- b. Father
- c. Sister
- d. Brother

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

DEAL : WVZO :: CARD : ?

- a. ZXWI
- b. ZXIW
- c. XZWI
- d. XZIW

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

- 1. Loiter
- 2. Loiterer
- 3. Logic

4. Logotype

5. Log

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


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

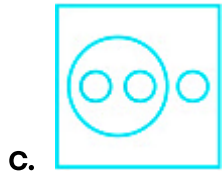
66, 77, 90, 107, 126, ?, 178

- a. 149
- b. 136
- c. 154
- d. 168

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

Living things, Animals, Birds, Dogs

- a. 



6. Find the number which when number is added to its 15 times number, it gives 176. (+1, -0.25)

- a. 11
- b. 16
- c. 13
- d. 14

7. Select the correct mirror image of the given combination when the mirror is placed to its right side. (+1, -0.25)

RkmSG5

- a. 5GSmkR
- b. 5GSmkR

c. RkmSG?

d. RGSmkR

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

7 : 49 :: ? : 81

a. 7

b. 6

c. 9

d. 8

9. In a certain code language, 'how are you' is written as 'so me lo', 'you are intelligent' is written as 'the lo me' and 'are they lazy' is written as 'me ca ya'. How will 'how are they' be written in that language? (+1, -0.25)

a. the lo me

b. so lo ca

c. ya ca me

d. so me ca

10. 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)

Conceal : Reveal :: Expand : ?

- a. Widen
- b. Shrink
- c. Enlarge
- d. Outspread

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

145, 175, 235, 265, 325, ?, 415

- a. 380
- b. 385
- c. 375
- d. 355

12. 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:

All students are doctorate.

All university teachers are doctorate.

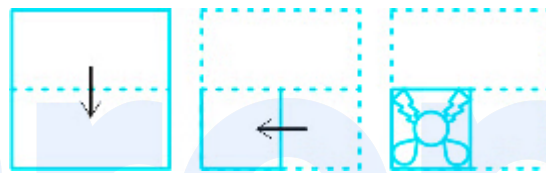
Conclusions:

I. Some doctorate are students.

II. Some doctorates are university teachers.

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

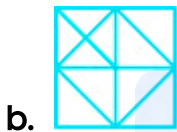
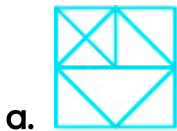
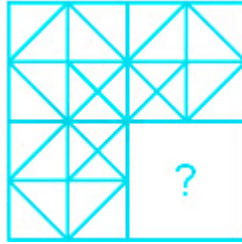
13. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded? (+1, -0.25)



- a.
- b.
- c.
- d.

14. Select the figure from among the given options that can replace the question mark (?) in the following series (rotation is NOT allowed).

(+1, -0.25)



15. In a certain code language, HALT is coded as 164, and MOP is coded as 132. How will GOBLET be coded in that language?

(+1, -0.25)

- a. 288
- b. 334
- c. 260
- d. 366

16. Seven friends, M, N, O, P, Q, R and S, are sitting around a circular table, facing the centre of the table. P and R are the neighbours of N. S is sitting second to the left of N. O is sitting between R and Q. (+1, -0.25)

Who is sitting second to the right of O?

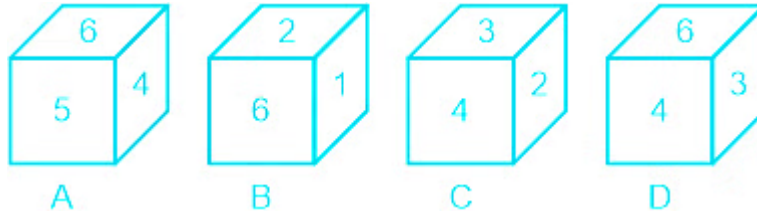
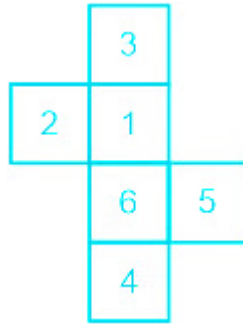
- a. M
- b. S
- c. N
- d. Q

-
17. If '+' denotes multiplication, '÷' denotes subtraction and '-' denotes division, then what is the value of the given expression? (+1, -0.25)

$$25 + 25 \div 50 - 5$$

- a. 615
- b. 165
- c. 135
- d. 155

-
18. Select the dice that can be formed by folding the given sheet along the lines. (+1, -0.25)



- a. Only B
- b. Both B and C
- c. Only A
- d. Both A and D

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

49	8	73
11	6	29
?	12	58

- a. 16
- b. 24
- c. 6
- d. 22

20. In a certain code language, 'FILE' is written as 'LIEF' and 'YOUR' is written as 'UORY'. How will 'MARK' be written in that language? **(+1, -0.25)**

- a. ARKM
- b. RAKM
- c. ARMK
- d. RAMK

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

NGP, OIS, PKV, ?

- a. QMX
- b. RNX
- c. RMY
- d. QMY

22. 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. TXBF
- b. YCGL
- c. NRVZ
- d. DHLP

23. Seven workers Alok, Bhushan, Kolin, Dinesh, Ishant, Fatima, and Gorav are sitting in a straight line, all facing the North. Fatima is sitting between Dinesh and Gorav. Bhushan is sitting between Kolin and Alok. Ishant is third to the left of Gorav. Gorav is sitting at one of the corners. Alok is second to the right of Kolin. Who is sitting between Ishant and Fatima? **(+1, -0.25)**

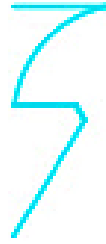
- a. Alok
- b. Dinesh
- c. Bhushan
- d. Gorav

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

P _ _ F I _ _ R O F _ _ P R O _ _ T P R _ _ I T

- a. RPITOFITOF
- b. ROTPIFOFFI
- c. ROTPITFIOF
- d. ROTIPFTIOF

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



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Your Personal Exams Guide

General Knowledge and General Awareness

26. To which of the following states does the 'Khullam' folk dance belong? (+1, -0.25)

- a. Jharkhand
 - b. Mizoram
 - c. Haryana
 - d. Chhattisgarh
-

27. Movement of people from one place to another in the country or to a foreign country is called ----- (+1, -0.25)

- a. migration
 - b. emigration
 - c. transhumance
 - d. immigration
-

28. Which of the following terms is not used in lawn tennis? (+1, -0.25)

- a. Deuce
 - b. Smash
 - c. Scoop
 - d. Ace
-

29. On the basis of which Article of the Constitution of India, is 'Untouchability' (+1, -0.25) abolished, and its practice in any form, forbidden?

- a. 18
 - b. 19
 - c. 16
 - d. 17
-

30. The rivers _____ and Tapti flow almost parallel to each other but (+1, -0.25) empty themselves in opposite directions.

- a. Narmada
 - b. Krishna
 - c. Kaveri
 - d. Brahmaputra
-

31. Oral Rehydration Solution (ORS) is recommended to a person suffering (+1, -0.25) from _____.

- a. wheezing
 - b. diarrhoea
 - c. conjunctivitis
 - d. skin rashes
-

32. The _____, mostly used by snake charmers, is a wind instrument made of two small bamboo pipes fixed in a hollow gourd. (+1, -0.25)

- a. been
 - b. khartal
 - c. gharah
 - d. deru
-

33. According to Section 510 of the Indian Penal Code, the punishment for misconduct in public by a drunken person is punishable with simple imprisonment for a term which may extend to twenty-four hours, or with fine which may extend to ₹ _____, or with both. (+1, -0.25)

- a. 500
 - b. 10
 - c. 100
 - d. 1000
-

34. In November 2019 the NITI Aayog has released a Draft Model Act on Land _____ (+1, -0.25)

- a. revenues
- b. titling
- c. ceiling
- d. acquisition

35. In which of the following battles did the East India Company take over Mysore? (+1, -0.25)
- a. Battle of Plassey
 - b. Battle of Buxar
 - c. Battle of Pollilur
 - d. Siege of Seringapatam
-

36. In which income group does India fall on the basis of Gross National Income classified by the World Bank? (+1, -0.25)
- a. Low-income group
 - b. Lower-middle income group
 - c. Upper-middle income group
 - d. High income group
-

37. Which four teams made into the playoffs in IPL 2020? (+1, -0.25)
- a. Sunrisers Hyderabad, Rajasthan Royals, Royal Challengers Bangalore, Mumbai Indians
 - b. Chennai Super Kings, Delhi Capitals, Sunrisers Hyderabad, Royal Challengers Bangalore
 - c. Delhi Capitals, Kings XI Punjab, Mumbai Indians, Kolkata Knight Riders

- d. Mumbai Indians, Sunrisers Hyderabad, Royal Challengers Bangalore, Delhi Capitals
-

38. Who among the following actors served a defamation notice to a YouTuber from Bihar, seeking ₹500 crores in damages for allegedly making false and baseless allegations against him in November 2020? (+1, -0.25)

- a. Akshay Kumar
 - b. Aamir Khan
 - c. Salman Khan
 - d. Ajay Devgan
-

39. In December 2020, _____ became the youngest mayor of the Thiruvananthapuram Municipal Corporation. (+1, -0.25)

- a. Sreekala Nadar
 - b. Asha Prakash
 - c. Arya Rajendran
 - d. Sobha Surendran
-

40. India won _____ medals in total at the 2021 AIBA Youth Men's and Women's World Boxing Championships in Kielce, Poland. (+1, -0.25)

- a. 8
- b. 9
- c. 10

d. 11

41. Pit-houses dug into the ground, with steps leading into them were found at the _____ archaeological site. (+1, -0.25)

- a. Utnur
 - b. Paiyampalli
 - c. Burzahom
 - d. Hallur
-

42. The highest Indian civilian award, Bharat Ratna, was instituted in which of the following years? (+1, -0.25)

- a. 1952
 - b. 1954
 - c. 1963
 - d. 1956
-

43. On which of the following dates is World AIDS Day observed? (+1, -0.25)

- a. 12 July
 - b. 17 May
 - c. 1 December
 - d. 5 September
-

44. Which of the following is a planet outside our solar system that usually orbits another star in our galaxy? (+1, -0.25)

- a. Mesoplanet
 - b. Exoplanet
 - c. Super Earth
 - d. Haumea
-

45. Vetti was a tax collected in the form of forced labour by the _____ rulers. (+1, -0.25)

- a. Nanda
 - b. Chola
 - c. Chalukya
 - d. Pallava
-

46. In August 2021, _____ opened the first floating ATM in Srinagar on a houseboat at Dal Lake. (+1, -0.25)

- a. Axis Bank
 - b. State Bank of India
 - c. IDFC Bank
 - d. Bank of Baroda
-

47. The 'Statue of Peace' in the state of _____ was unveiled via video conferencing by Prime Minister Narendra Modi in November 2020. (+1, -0.25)

- a. Gujarat
- b. Uttar Pradesh
- c. Rajasthan
- d. Bihar

48. The ocean bodies and the sea contain _____ water. (+1, -0.25)

- a. salty
- b. sweet
- c. sour
- d. bitter

49. What is the maximum cost of a project admissible under the business/service sector in the 'Prime Minister's Employment Generation Programme' ('PMEGP')? (+1, -0.25)

- a. ₹ 5 lakh
- b. ₹ 20 lakh
- c. ₹ 10 lakh
- d. ₹ 25 lakh

50. Siraj ud-Daulah succeeded _____ as the Nawab of Bengal in 1756. (+1, -0.25)

- a. Mir Qasim
- b. Alivardi Khan
- c. Mir Jafar
- d. Murshid Quli Khan

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Your Personal Exams Guide

Elementary Mathematics

51. The sum of the length, the breadth and the height of a cuboid is 18 cm. If the length of its diagonal is 13 cm, then the total surface area of the cuboid is: (+1, -0.25)
- a. 154 cm^2
- b. 155 cm^2
- c. 150 cm^2
- d. 145 cm^2
-
52. Ram bought an article for ₹6,800 and spent ₹700 on its repairs. He marked his article at 8% above the overall cost price. He sold the article for ₹6,196.50 after giving two successive discounts of 10% and $x\%$. Find the value of x . (+1, -0.25)
- a. 18
- b. 12
- c. 10
- d. 15
-
53. A sum of ₹8,400 is divided between A and B such that A's share at the end of 2 years is equal to B's share at the end of $2\frac{2}{3}$ years at 15% p.a., interest compounded 8-monthly. What is A's share (in ₹) in the given sum? (+1, -0.25)
- a. 4,450

- b. 4,400
- c. 4,550
- d. 4,500

54. Pipes A and B can fill a tank in 12 h and 18 h, respectively, whereas pipe C can empty the full tank in 8 h. A and B opened for $4\frac{1}{2}$ h and then closed. C alone will empty the tank in (in h): (+1, -0.25)

- a. $5\frac{1}{4}$
- b. $9\frac{1}{2}$
- c. 9
- d. 5

55. Two numbers are in the ratio 2 : 3. The product of their LCM and HCF is 7350. The difference between the two number is: (+1, -0.25)

- a. 35
- b. 25
- c. 45
- d. 15

56. A sold an article to B at 24% profit. B sold it to C at 30% profit. If B's profit was ₹72.60 more than that of A, then how much (in ₹) did B pay for it? (+1, -0.25)

- a. 781

- b. 784
- c. 660
- d. 682

57. The sum and the difference of the LCM and HCF of two positive numbers are 148 and 140, respectively. If one number is 16, then the other number is (+1, -0.25)

- a. 38
- b. 34
- c. 36
- d. 46

58. The income of A and B are in the ratio 8 : 11, and the ratio of their savings is 7 : 9. If the expenditure of A and B is ₹25,000 and ₹35,000, respectively, then what is the income (in ₹) of B? (+1, -0.25)

- a. 42,900
- b. 44,000
- c. 39,600
- d. 38,500

59. When the speed of a car is increased by 25%, it takes 24 minutes less to cover the same distance. What is the time (in hours) taken to cover the same distance at the actual speed? (+1, -0.25)

- a. $1\frac{1}{2}$

b. 3

c. $2\frac{1}{3}$

d. 2

60. A and B can complete a work in 12 days and 18 days, respectively. They worked together for 4 days after which B was replaced by C and the remaining work was completed by A and C in the next 4 days. In how many days will C alone complete one-third of the same work? (+1, -0.25)

a. 8 days

b. 12 days

c. 9 days

d. 10 days

61. Sushma has invested 40% more than Reshma, Reshma has invested 30% less than Divya. If the amount invested by Divya is ₹6,000, then the amount invested by Sushma is: (+1, -0.25)

a. ₹5,880

b. ₹5,550

c. ₹4,850

d. ₹4,520

62. The cost prices of two articles are in the ratio 4 : 5. Selling the first article at 10% profit and the second at 20% profit will give the difference of ₹480 in their selling prices. The sum of the cost price of the two article is: (+1, -0.25)

- a. ₹2,500
- b. ₹2,800
- c. ₹3,200
- d. ₹2,700

63. A trader earns a profit of 20% by selling an article after giving a discount of 20% on the marked price of the article. If the cost price of the article is ₹448, then its marked price (in ₹) is: (+1, -0.25)

- a. 600
- b. 672
- c. 640
- d. 652

64. The value of $36 \div 18$ of $3 \times 2 + 8 \div 4$ of $2 \times 5 - 5 \div 10 \times 2$ is: (+1, -0.25)

- a. $5\frac{1}{3}$
- b. $1\frac{1}{3}$
- c. $6\frac{1}{12}$
- d. $9\frac{1}{6}$

65. Sudha gains 30% by selling an article for ₹91. If she sells it for ₹78.75, then what will be her percentage loss/gain? (+1, -0.25)

- a. Gain, $11\frac{1}{9}\%$

b. Loss, $11\frac{1}{9}\%$

c. Gain, $12\frac{1}{2}\%$

d. Loss, $12\frac{1}{2}\%$

66. A spherical ball of radius 3 cm, is immersed in water contained in a vertical cylinder of radius 5 cm. Assuming the water covers the ball completely, what is the rise in the water level (in cm, up to two decimal places)? (+1, -0.25)

a. 1.75

b. 1.44

c. 2.25

d. 3.14

67. What sum of money at compound interest will amount to ₹30,051 in 3 years if the rate of interest is 5% for the 1st year, 6% for the 2nd year and 8% for the 3rd year? (+1, -0.25)

a. ₹30,000

b. ₹ 25,000

c. ₹26,000

d. ₹28,000

68. A train takes 1 hour and 12 minutes to cover a certain distance at a speed of 80 km/h. If the speed is increased by 25%, then how much time (in (+1, -0.25)

hours) will it take to cover $\frac{25}{3}$ of the distance?

- a. 8
- b. 4
- c. 10
- d. 6

69. The pass percentage in an examination is 35% of the total marks. A student scored 390 marks and was declared fail by 65 marks. The total marks of the examination must be: (+1, -0.25)

- a. 1000
- b. 1600
- c. 1200
- d. 1300

70. Class X has 5 sections which have 40, 50, 50, 60 and 60 students, respectively. The pass per cent of these sections are 80%, 76%, 64%, 65% and 70%, respectively. The pass per cent of the entire class X (correct to two decimal places) is: (+1, -0.25)

- a. 70.38%
- b. 71.83%
- c. 72.81%
- d. 69.73%

71. The boys and girls in a school are in the ratio 7 : 5. If 60% of the boys and 40% of the girls are aged 14 years and below the age of 14 years and the number of students above the age of 14 years is 870, then the total number of students in the school is: (+1, -0.25)

- a. 1750
- b. 1850
- c. 1800
- d. 1600

72. The average weight of 5 persons increases by 2.8 kg when a new person comes in place of one of them weighing 38 kg. The weight of the new person is: (+1, -0.25)

- a. 48 kg
- b. 52 kg
- c. 44 kg
- d. 50 kg

73. Find the compound interest on ₹20,000 at 9% per annum for one year and 4 month, compound annually. (+1, -0.25)

- a. ₹2,454
- b. ₹2,654
- c. ₹2,540

d. ₹2,450

74. The average score of nineteen students in a computer examination is 74. (+1, -0.25)
It was detected that while working out the average by mistake the marks secured by one student was recorded as 65 in place of 56. What is the correct average score (correct to one decimal place)?

- a. 73.5
 - b. 73.7
 - c. 74
 - d. 75.9
-

75. The value of $\frac{10}{21} \div 1\frac{1}{14}$ of $\frac{5}{3} - \frac{5}{3} \times \frac{1}{10} + \frac{9}{28} \div \frac{3}{7}$ of $\frac{6}{5}$ is: (+1, -0.25)

- a. $\frac{4}{15}$
- b. $\frac{11}{15}$
- c. $\frac{29}{40}$
- d. $\frac{1}{10}$

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Your Personal Exams Guide

English

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

In a fix

- a. In a closed space
- b. Under repairs
- c. In a difficult situation
- d. Under observation

77. 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 three friends spent over an hour discussing the problem with their teacher.

- a. having discussion on
- b. discussing about
- c. No substitution required
- d. discussing on

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

Disgust

- a. Desire

- b. Doubt
 - c. Dislike
 - d. Danger
-

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

Causing a mood of gloom and depression

- a. Devastated
 - b. Desolate
 - c. Dismal
 - d. Apprehensive
-

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

As we all are aware, silk is dedicated from the cocoons of mulberry silkworms.

- a. decimated
 - b. decorated
 - c. derived
 - d. deflected
-

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

Science of heredity

- a. Orthopedics
- b. Pathology
- c. Genealogy
- d. Genetics

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

- a. Snatch
- b. Batch
- c. Catch
- d. Yatch

Your Personal Exams Guide

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

How many / languages do / most children / in India known?

- a. most children
- b. in India known
- c. How many
- d. languages do

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

(+1, -0.25)

Overlook

- a. Ignore
- b. Notice
- c. Neglect
- d. Visualize

85. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

(+1, -0.25)

Raju was / a little boy / who were born / in a poor family.

- a. in a poor family
- b. Raju was
- c. a little boy
- d. who were born

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

(+1, -0.25)

Health cannot be _____ at any cost.

- a. deserted
- b. rejected
- c. despised
- d. neglected

87. Select the most appropriate meaning of the given idiom.

(+1, -0.25)

Open-ended

- a. Having no planned ending
 - b. Never ending
 - c. Ending is happy
 - d. Ending is twisted
-

88. 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)

I play football yesterday.

- a. I playing
 - b. I played
 - c. No substitution required
 - d. I been playing
-

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

(+1, -0.25)

Ally

- a. Friend
- b. Enemy
- c. Partner

d. Associate

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

Crust

- a. Root
 - b. Core
 - c. Kernel
 - d. Shell
-

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

- a. Writting
 - b. Regulate
 - c. Occur
 - d. Develop
-

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

A hole or tunnel dug by a small animal to live in

- a. Burrow
- b. Den
- c. Shed

d. Cave

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

Why do they / keep talking on / about money / all the time?

- a. Why do they
 - b. keep talking on
 - c. about money
 - d. all the time
-

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

Giant pandas are black-and-white Chinese bears that are on the _____ of extinction.

- a. verge
 - b. peak
 - c. line
 - d. margin
-

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

He was fined for _____ traffic rules.

- a. refusing
- b. omitting

- c. obeying
- d. violating

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)

Joseph was always prepared. His motto was, 'Never throw anything out, you (1) _____ know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

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

- a. would
- b. never
- c. often
- d. should

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)

Joseph was always prepared. His motto was, 'Never throw anything out, you (1) _____ know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

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

- a. nearby
- b. handy
- c. close
- d. ready

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)

Joseph was always prepared. His motto was, 'Never throw anything out, you (1) _____ know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

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

- a. confused
- b. cluttered
- c. splashed
- d. dislocated

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)

Joseph was always prepared. His motto was, 'Never throw anything out, you (1) _____ know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____

basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

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

- a. wearied
- b. reduced
- c. deflated
- d. drained

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)

Joseph was always prepared. His motto was, 'Never throw anything out, you (1) _____ know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

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

- a. slightly
- b. barely
- c. merely
- d. simply

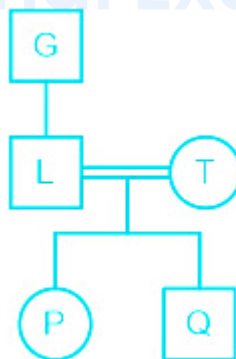
Answers

1. Answer: a

Explanation:

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

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



Clearly, T is the mother of Q.

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

2. Answer: d

Explanation:

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

The logic followed here is:

Letters of the word are coded according to the equivalent opposite letter of a particular letter of the word.

D	E	A	L
W	V	Z	O

Similarly,

C	A	R	D
X	Z	I	W

Hence, 'XZIW' is the correct answer.

3. Answer: a

Explanation:

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

- 5. Log
- 3. Logi c
- 4. Logo type
- 1. Loiter
- 2. Loitere r

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

4. Answer: a

Explanation:

The logic followed here is:



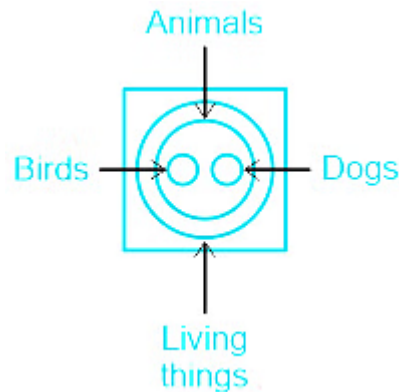
Difference between the numbers is consecutive prime numbers.

Hence, '149' is the correct answer.

5. Answer: b

Explanation:

The Venn diagram that best represents the relationship between Living things, Animals, Birds, and Dogs is shown below:



All living organisms can be classified into two major groups- plants and animals.

All Birds and Dogs are animals. All animals are living things.

Hence, 'option 2' is the correct answer.

6. Answer: a

Explanation:

Let the number be a.

According to question:

$$a + 15a = 176$$

$$\Rightarrow 16a = 176$$

$$\Rightarrow a = 176/16$$

$$\Rightarrow a = 11$$

Hence, '11' is the correct answer.

7. Answer: b

Explanation:

The mirror image of the given combination when the mirror is placed at the right side is as shown below:



- The given image has number "5", So, the mirror image should be "

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Your Personal Exams Guide



" ⇒ Option 1 is eliminated.

- The given image has second letter "k", So, the mirror image should be "



" ⇒ Option 3 is eliminated.

- The given image has fifth letter "G", So, the mirror image should be "



" ⇒ Option 4 is eliminated.

Hence, ' **option 2** ' is the correct answer.

8. Answer: c

Explanation:

The logic followed here is:

- $7 : 49 \rightarrow 7^2 = 49$

Similarly,

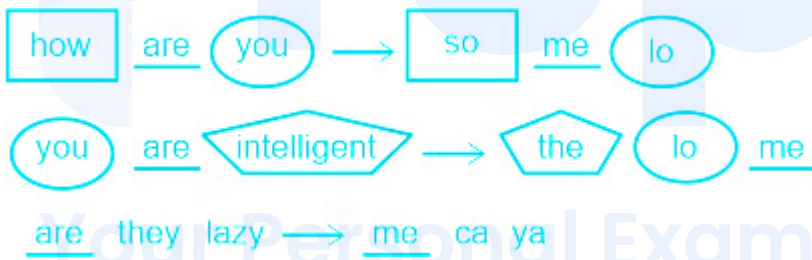
- $? : 81 \rightarrow 9^2 = 81$

Hence, '9' is the correct answer.

9. Answer: d

Explanation:

The code for each word is shown below:



How - so

are - me

they - ca/ya

So, the possible codes are: so me ca or so me ya

As 'so me ca' is available in the options, it will be the answer.

Hence, 'so me ca' is the correct answer.

10. Answer: b

Explanation:

The logic followed here is:

- Conceal : Reveal → Conceal is antonym of Reveal.

Similarly,

- Expand : ? → Expand is antonym of Shrink.

Hence, 'Shrink' is the correct answer.

11. Answer: d

Explanation:

The logic followed here is:

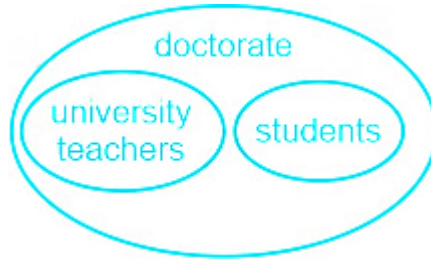


Hence, ' 355 ' is the correct answer.

12. Answer: c

Explanation:

The least possible Venn diagram is:



Conclusions:

I. Some doctorate are students. → **Follow** (As, all students are doctorate)

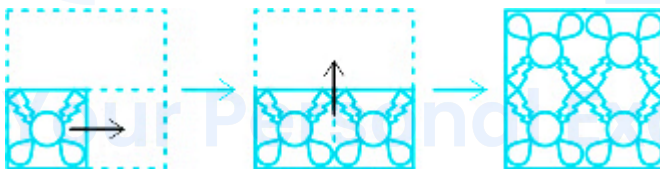
II. Some doctorates are university teachers. → **Follow** (As, all university teachers are doctorate)

Hence, **Both the conclusions follow** .

13. **Answer: c**

Explanation:

The paper when unfolded will appear as shown below:

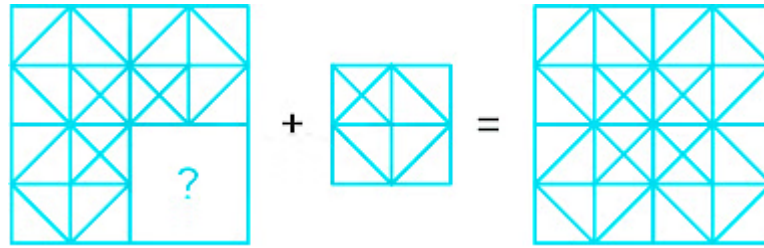


Hence, ' **option 3** ' is the correct answer.

14. **Answer: b**

Explanation:

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



Hence, ' option 2 ' is the correct answer.

15. Answer: d

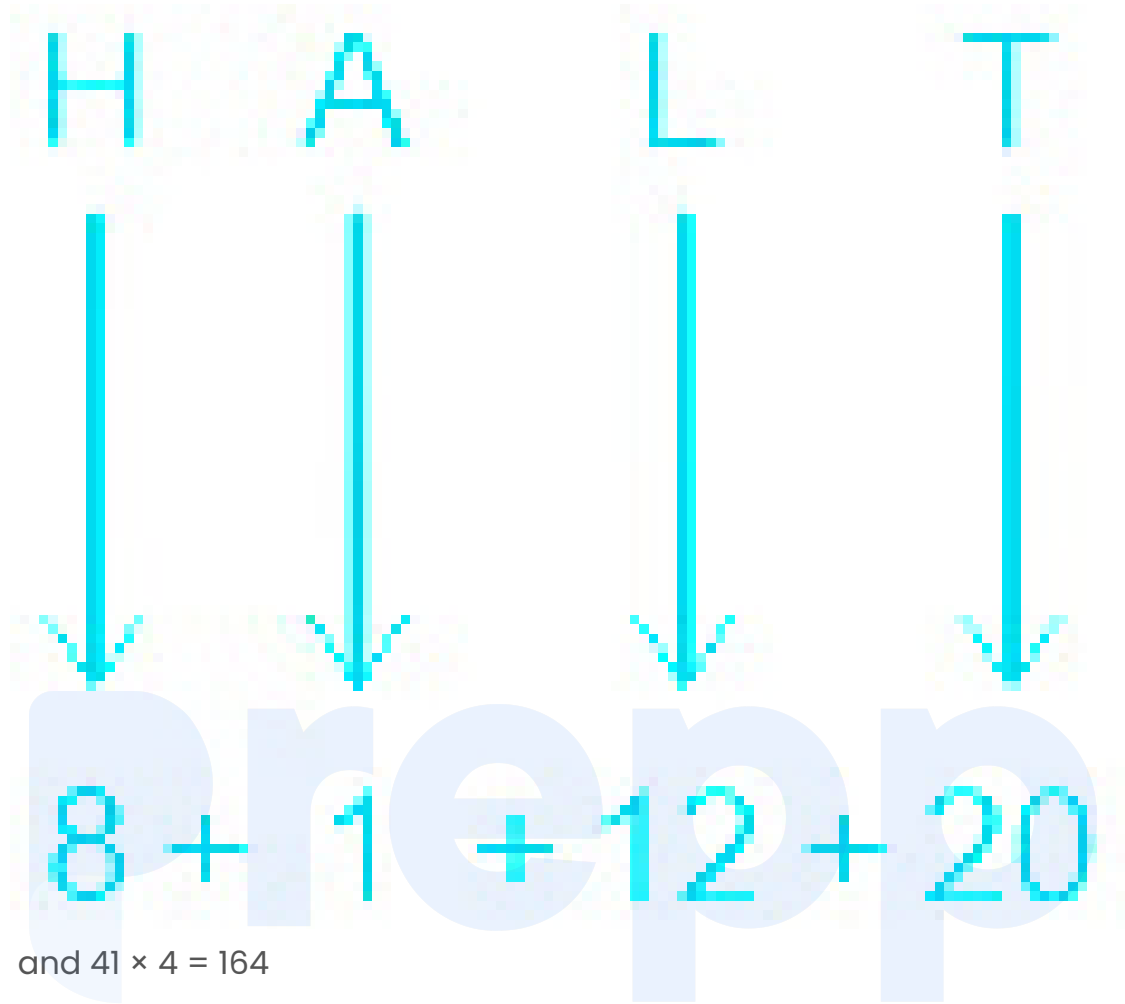
Explanation:

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

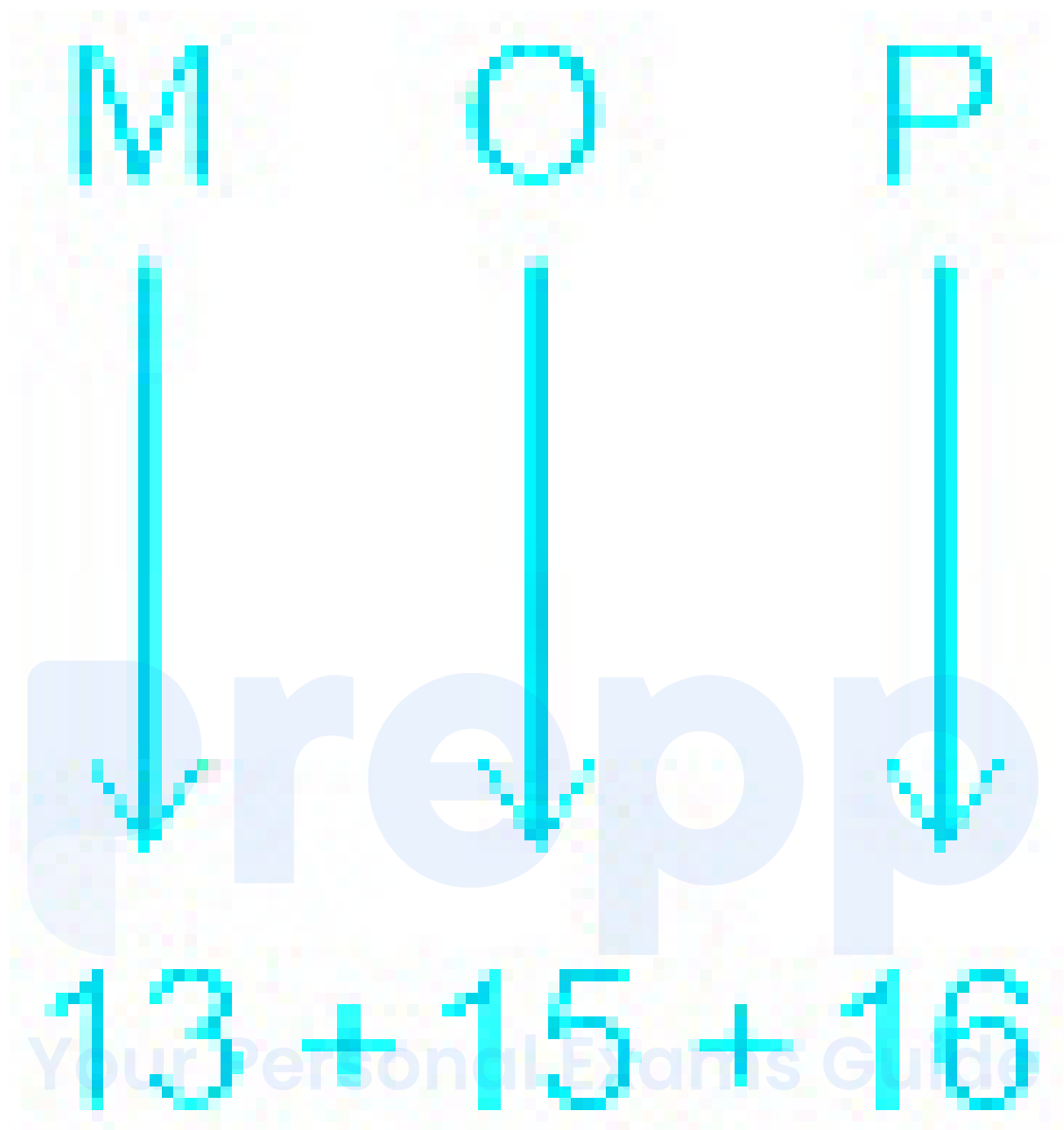
The logic followed here is:

Logic: (Sum of position value of letters) × Number of letters in the word

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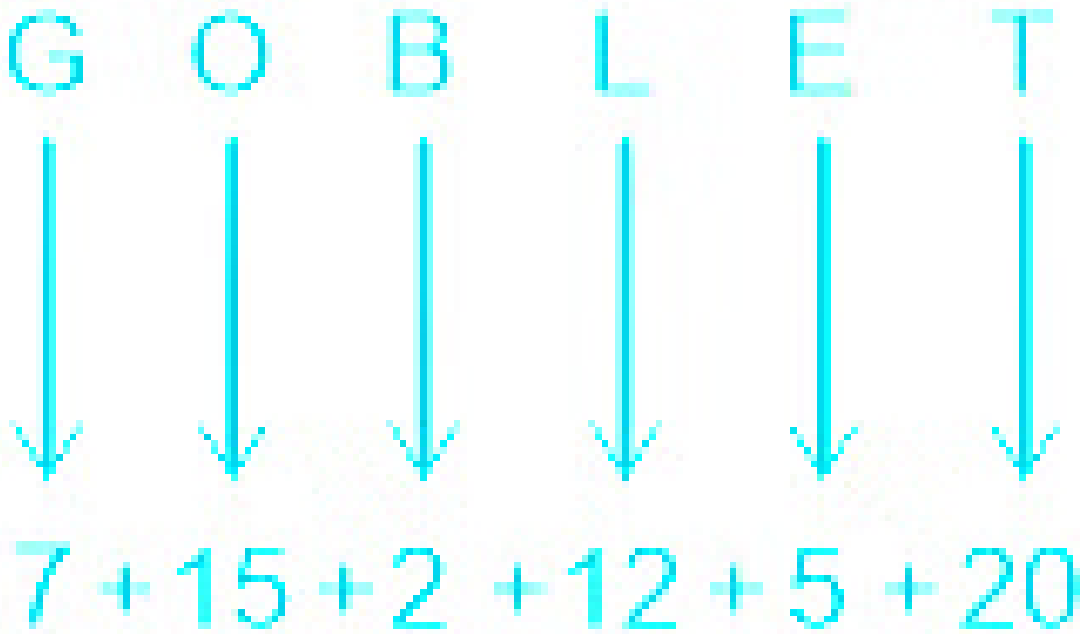


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- and $44 \times 3 = 132$

Similarly,



- and $61 \times 6 = 366$

Hence, '366' is the correct answer.

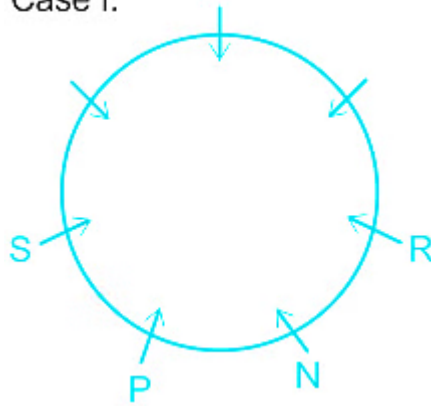
16. Answer: a

Explanation:

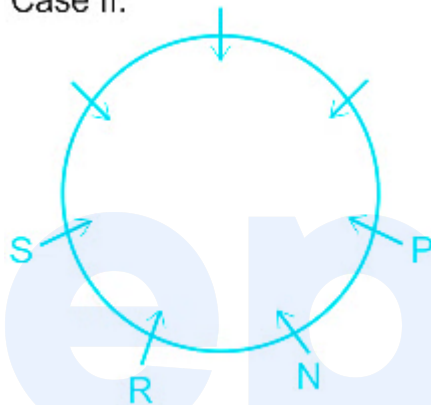
Seven friends, M, N, O, P, Q, R and S, are sitting around a circular table, facing the centre of the table.

1. S is sitting second to the left of N.
2. P and R are the neighbours of N.

Case I:



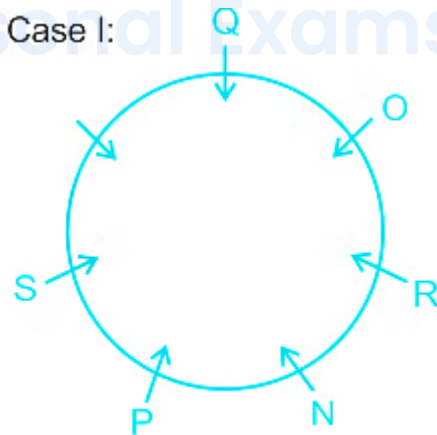
Case II:



3. O is sitting between R and Q.

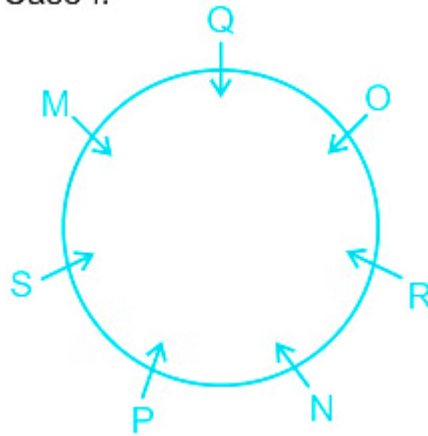
The above condition cannot be satisfied in Case II, so it is eliminated.

Case I:



M is the only person left and it will occupy the vacant position.

Case I:



Clearly, M is sitting second to the right of O.

Hence, 'M' is the correct answer.

17. Answer: a

Explanation:

Given equation: $25 + 25 \div 50 - 5$

Symbol	+	÷	-
Meaning	×	-	÷

After replacing the symbols by their meaning, we get:

$$25 \times 25 - \underline{50 \div 5}$$

$$= \underline{25 \times 25} - 10$$

$$= 625 - 10$$

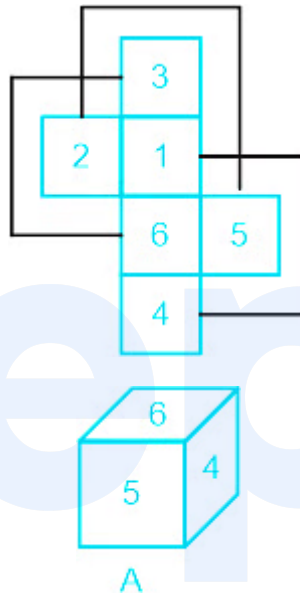
$$= 615$$

Hence, ' 615 ' is the correct answer.

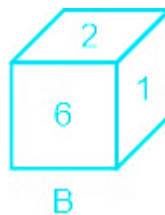
18. Answer: b

Explanation:

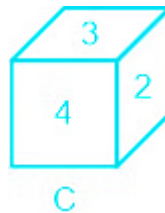
The faces opposite to each other is shown below:



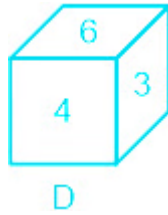
→ When 6 is on the top position and 5 is on the front side, 4 must be on Left Side, but in image A, it is on the right of 5, which is incorrect.



→ Can be formed.



→ Can be formed.



→ Cannot be formed as 6 and 3 are opposite faces.

Hence, 'Both B and C' is the correct answer.

19. Answer: d

Explanation:

The logic followed here is:

Logic: In a row: (Third number - First Number) ÷ 3 = Second Number

$$\text{Row 1: } (73 - 49) \div 3 = 24 \div 3 = 8$$

$$\text{Row 2: } (29 - 11) \div 3 = 18 \div 3 = 6$$

Similarly,

$$\text{Row 3: } (58 - ?) \div 3 = 12$$

$$\Rightarrow 58 - ? = 12 \times 3$$

$$\Rightarrow 58 - ? = 36$$

$$\Rightarrow 58 - 36 = ?$$

$$\Rightarrow 22 = ?$$

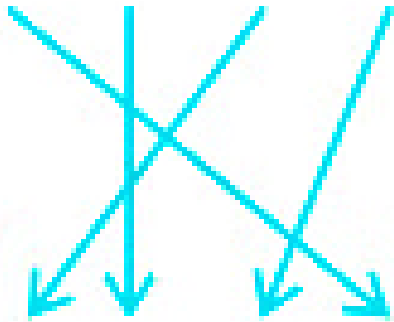
Hence, '22' is the correct answer.

20. Answer: b

Explanation:

The logic followed here is:

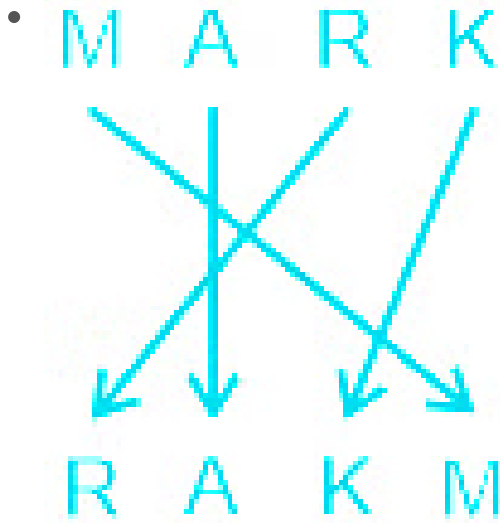
- F I L E



- L I E F
Y O U R



Similarly,



Hence, 'RAKM' is the correct answer.

21. Answer: d

Explanation:

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

The logic followed here is:

$$\begin{array}{l}
 N \xrightarrow{+1} O \xrightarrow{+1} P \xrightarrow{+1} Q \\
 G \xrightarrow{+2} I \xrightarrow{+2} K \xrightarrow{+2} M \\
 P \xrightarrow{+3} S \xrightarrow{+3} V \xrightarrow{+3} Y
 \end{array}$$

Hence, 'QMY' is the correct answer.

22. Answer: b

Explanation:

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

The logic followed here is:

1. TXBF → T + 4 = X; X + 4 = B; B + 4 = F
2. YCGL → Y + 4 = C; C + 4 = G; G + 5 = L
3. NRVZ → N + 4 = R; R + 4 = V; V + 4 = Z
4. DHLP → D + 4 = H; H + 4 = L; L + 4 = P

Hence, 'YCGL' is the odd one out.

23. Answer: b

Explanation:

Seven workers Alok, Bhushan, Kolin, Dinesh, Ishant, Fatima, and Gorav are sitting in a straight line, all facing the North.

1. Ishant is third to the left of Gorav.
2. Gorav is sitting at one of the corners.
3. Fatima is sitting between Dinesh and Gorav.



4. Alok is second to the right of Kolin.
5. Bhushan is sitting between Kolin and Alok.



Clearly, Dinesh is sitting between Ishant and Fatima.

Hence, 'Dinesh' is the correct answer.

24. Answer: c

Explanation:

Given sequence: P _ _ F I _ _ R O F _ _ P R O _ _ T P R _ _ I T

1. RPITOFITOF → P R P F I I - T R O F O F - P R O T I T - P R O F I T
2. ROTPIFOFFI → P R O F I T - P R O F I F - P R O O F T - P R F I I T
3. ROTPITFIOF → P R O F I T - P R O F I T - P R O F I T - P R O F I T
4. ROTIPFTIOF → P R O F I T - I R O F P F - P R O T I T - P R O F I T

- In option 3, PROFIT is repeated.









Hence, 'ROTPITFIOF' is the correct answer.

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25. Answer: b

Explanation:

The image embedded in given figure is as shown below:

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

Hence, 'option 2' is the correct answer.

26. Answer: b

Explanation:

The correct answer is Mizoram.



Key Points

- During a special occasion called Khuangchawi, the **Khuallam** dance is performed by the local performers of **Mizoram**.
 - **The term Khuallam means dance of guests.**
 - people invited to view the performance are often seen dancing while coming inside the respective venue.
- Puandum is the traditional costume which is worn by the **Khuallam dancers**.
- Handwoven Mizo cloth known as Puandum is wrapped over the shoulders and the dance is performed by swaying the cloth.
- The unique trait of Khuallam dance lies in the use of gongs.
- Locally known as Darbu these gongs accompany the steps of the Khuallam dancers rhythmically.
- Another interesting fact associated with the Khuallam dance of Mizoram is that this one does not involve any kind of vocal song.
- As a part of the cultural richness of Mizoram, Khuallam captivates the imagination of not only the local inhabitants but also the tourists.

★ **Additional Information**

- **Mizoram**
 - Capital - Aizawl
 - Chief Minister - Zoramthanga
 - Governor - Dr Hari Babu Kambhampati.
 - State Bird - Vavu
 - State Animal - Saza
 - State Tree - Herhse
 - State Flower - Senhri
 - National Parks - Murlen National Park, Phawngpui Blue Mountain National Park.

27. **Answer: a**

Explanation:

The correct answer is migration.



Key Points

- The movement of organisms in large numbers from one place to another place is termed **migration** .
- The push and pull factors operate together for a person to migrate.
- The **push factors** make the place of origin less attractive and compel a person to migrate because of unemployment, poverty, violence, political strife, etc.
- The **pull factors** make the place of destination seem more attractive such as better living conditions, educational and cultural development, regular work, high wages, etc.
- Adults are more likely to migrate than any other age group.
- Rural-to-urban migration is by far the major portion of migration. It is because of growing urbanization.
- The migration affects the overall population of the region.

★ Additional Information

- **Migration can be of various types:**
 - Temporary
 - Permanent
 - Voluntary
 - Permanent
- **Main factors affecting migration in India:**
 - Work/Employment
 - Business
 - Education
 - Marriage
 - Poverty
 - Health care

28. Answer: c

Explanation:

The correct answer is

Scoop.



Key Points

- Terms used in lawn tennis:
 - Volley,
 - **Smash**,
 - **Ace** ,
 - Service,
 - Backhand drive,
 - Advantage,
 - **Deuce** ,
 - Double Fault.
- Hence **Scoop** is not used in lawn tennis.

★ Additional Information

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Your Personal Exams Guide

Sport	Term Related
Hockey	Advantage, Back-stick, Bully, Cary, Centre Forward, Centre, Corner, Dribble, Flick, Free-hit, Goal Line, Blue line, Halfway Line, Hat-trick, Off-side, Red Car, Roll-in, Scoop, Short Corner, Sixteen-yard hit.
Cricket	Boundary, Bowling, Caught, Chinaman, Cover Drive, Crease, Duck, Duckworth-Lewis, Fine Leg, Follow On, Full Toss, Googly, Gully, Hat-trick, Hit-Wicket, In-swing, L.B.W., Leg-break, Leg-bye, Leg Glance, late Cut, maiden over, No Ball, Over, over Pitch, Popping Crease, Run Out, Short Pitch, Silly Point, Slip, Square Leg, Straight Drive, Stumped, Short leg, Spin, Swing, Third-man, Yorker.
Golf	Bogey, Bunker, Caddie, Fairway, Fourball, Greed Holes, Links, Par, Put, Rough, Stymied, Tee.
Football	Bend, Dribble, Dummy, Feint, Free Kick, Header, Red Card, Throwins.
Archery	Target, Bull's Eye.
Swimming	Breast Stroke, Crawl, Butterfly, Freestyle, Back Stroke.
Fencing	Allez, Assault, Black Card, Foil, Saber, Hilt, Jury, Lame.
Basketball	Dunk, Frontcourt, Held Ball, Lay-Up, Pivot, Rebound.

Billiards	Baulk Line, Break, Bolting, Cannon, Cue, Hazard, In-off, Jigger, Long, Jenny, Pot, Scratch, Screw Back, Spot Stroke, Strike.
Baseball	Diamond, Hitter, Home, Pinch, Pitcher Plate, Pullout, Short Stop, Hitter, Batter, Strike, Infield, Outfield, Base, Battery, Bunting, Catcher.
Chess	Bishop, Capture, Castling, Checkmate, En Passant, Gambit, Grand Master, King, Knight, Pawn, Queen, Rook, Stalemate, Sicilian Defence.
Table Tennis	Foil, End line, Late control, Flat hit, Block stroke, Service, Penholder grip, Backspin, Centreline, Half Court, Side spin, Swing stroke, Push Stroke, Rally, Let, Reverse, Top Spin, Drop shot, Lob, Chopped return.
Volley Ball	Antennae, Attack hit, Ace, Base-line, Blocking, Doubling, Foot Fault, Heave, Holding, Jump Set, Lob Pass, Love-All, Point, Quick Smash, Scouting, Service, Spike, Tactical Ball, Volley, Windmill Service.

29. Answer: d

Your Personal Exams Guide

Explanation:

The correct answer is 17.

★ Key Points

- Article 17 ensures Abolition of Untouchability.
- Fundamental Rights:
 - The Fundamental Rights have been described in Articles 12-35, Part III of the Indian Constitution.
- The Right to Property (Article 31) was deleted from the list of Fundamental Rights.

- By the 44th Amendment Act, 1978 , it is made a normal constitutional right under Act 300A in Part XII of the Constitution.

★ Additional Information

- In Indian **Constitution** , the " **Right to Equality** " is from **Articles 14 to 18** .
- These **Articles** are following:-
 - **Article 14** – Equality before the law.
 - **Article 15** – Prohibition of discrimination on the grounds of religion, race, caste, sex, or place of birth.
 - **Article 16** – Equality of opportunity in matters of public employment.
 - **Article 17** – Abolition of untouchability.
 - **Article 18** – Abolition of titles.
- **Article 19** deals with the **six Fundamental Rights** . They are:
 - Right to freedom of speech and expression.
 - Right to assemble peacefully and without arms.
 - Right to form associations or unions or co-operatives.
 - Right to move freely throughout the territory of India.
 - Right to reside and settle in any part of the territory of India.
 - Right to practice any profession or to carry on any occupation, trade or business.

30. Answer: a

Explanation:

The correct answer is Narmada.

★ Key Points

- The rivers Narmada and Tapti flow almost parallel to each other but empty themselves in opposite directions (West flowing).
- The two rivers make the valley rich in alluvial soil and teak forests cover much of the land.
- Tapti river has its origin near Multai town of Betul district of Madhya Pradesh.
- The **Tapti River flows westwards parallel to the Narmada River**.

- It falls into the Gulf of Khambat near Surat in Gujarat.

★ Additional Information

The Bay of Bengal drainage	Arabian Sea drainage
Rivers that drain into the Bay of Bengal	Rivers that drain into the Arabian sea
East flowing rivers	West flowing rivers
~ 77 percent of the drainage area of the country is oriented towards the Bay of Bengal	~ 23 percent of the drainage area of the country is oriented towards the Arabian sea
The Ganga, the Brahmaputra, the Mahanadi, the Godavari, the Krishna, the Cauvery, the Penneru, the Penneyar, the Vaigai	The Indus, the Narmada, the Tapi, the Sabarmati, the Mahi, and a large number of swift-flowing western coast rivers descend from the Sahyadris.

31. Answer: b

Explanation:

The correct answer is diarrhoea.

★ Key Points

- Oral Rehydration Solution (ORS) is recommended to a person suffering from **diarrhoea**.
- Rehydration by mouth In **oral rehydration therapy, salt is a solution of glucose-based salt solution**.
- WHO and UNICEF propose a single glucose-based ORS formulation to treat or prevent dehydration in people of all ages who have **diarrhoea from any cause, including cholera**.

- Unlike other fluids, the chemicals in an ORS are proportioned to what the body requires to recover from **diarrhoea**.

★ Additional Information

- **Wheezing** is the shrill whistle or coarse rattle you hear when your airway is partially blocked.
- **Pink eye (conjunctivitis)** is an inflammation or infection of the transparent membrane (conjunctiva) that lines your eyelid and covers the white part of your eyeball.

32. Answer: a

Explanation:

The correct answer is been.

★ Key Points

- The **been**, mostly used by snake charmers, is a wind instrument made of two small bamboo pipes fixed in a hollow gourd.
- **Magudi or been** is a wind instrument made of bamboo and gourd.
- This tube-like instrument is found in **Tamil Nadu**.
- Mostly used by **snake charmers and jugglers**.

★ Additional Information

- **Khartal** is usually played by the Langas and Manganiyaars tribe of Rajasthan.
- **Deru** is an hour glass shaped drum, which is the larger version of the Damru or Damroo

33. Answer: b

Explanation:

The correct answer is 10.

★ Key Points

- According to **Section 510 of the Indian Penal Code**, the punishment for misconduct in public by a drunken person is punishable with simple imprisonment for a term which may extend to twenty-four hours, with a fine which may extend to ₹ 10 , or with both.
- Whoever, in a **state of intoxication, appears in any public place** , or in any place which it is a **trespass in him to enter**, and there conducts himself in such a manner as to cause annoyance to any person, shall be punished with simple imprisonment for a term which may extend to **twenty-four hours, or with fine which may extend to ten rupees, or with both**.

★ Additional Information

- **Indian penal code** was prepared by the **first law commission**, chaired by **Thomas Babington Macaulay**.
- Before the advent of the **British** , the **penal law** prevailing in India, for the most part, was the **Muhammedan law**.
- The **objective** of this Act is to provide a **general penal code for India**.
 - It was **enacted** on **6 October 1860**.
 - It contains **511 section** which derives all the **criminal offense in details** .
 - It is an **official criminal code** of the **Republic of India**.
 - It covers all the aspects of criminal law.

34. Answer: b

Explanation:

The correct answer is titling.

★ Key Points

- The NITI Aayog the draft model Act and rules for states for **regulation on conclusive land titling**.

- It provides for a state government to order establishment of title registration for all or any type of immovable properties.
- The model Act and rules will provide state governments power to order for establishment, administration and management of a system of title registration of immovable properties.
- The model Act and rules will provide state governments power to order for **establishment, administration and management of a system of title registration of immovable properties.**

★ Additional Information

- **NITI Aayog:**
 - NITI Aayog is **not a constitutional body** .
 - It was **established on January 1, 2015** .
 - It is formed in place of the **Planning Commission**.
 - The **ex-officio president of this is the Prime Minister** .
 - It is the premier policy 'Think Tank' of the **Government of India** , providing **both directional and policy inputs** .
 - **Headquarters** : New Delhi

35. Answer: d

Explanation:

The correct answer is Siege of Seringapatam.

★ Key Points

- The **Anglo-Mysore War** ended with the battle of **Seringapatam**.
- The Anglo-Mysore Wars was a series of four military confrontations in India between **the British and the rulers of Mysore**.
- The British won a decisive victory at the **Battle of Seringapatam (1799)** .
 - Tipu was killed during the defense of the city.
- The Governor-General of the British Army in 1799 was **Lord Wellesley**.
- **Fourth Anglo-Mysore War** was battle against Mysore the East India Company ultimately win a victory.

- **Fourth Anglo-Mysore War** was the final conflict of the four Anglo-Mysore Wars.

★ Additional Information

War	Time Period	Result
1) First Anglo-Mysore War	1767-69	Treaty of Madras
2) Second Anglo-Mysore War	1779-84	Treaty of Mangalore
3) Third Anglo-Mysore War	1790-92	Treaty of Seringapattanam
4) Fourth Anglo-Mysore War	1799	Mysore was conquered by the British

36. Answer: b

Explanation:

The correct answer is Lower-middle income group.

★ Key Points

- India fall on **Lower-middle income group** on the basis of Gross National Income classified by the World Bank.
- Out of **218 economies**, **80 are in the high-income group**, **60 in the upper-middle**, **47 in the lower-middle** and **31 in the low-income group**.
- The classification is updated on the **first day of July every year**.
- The gross national income per capita used for this year's classification is based on **2018 data**.

★ Additional Information

- **World Bank's classification of economies into income groups:**
 - Four income groups—low, lower-middle, upper-middle, and high-income countries.
 - The classifications are updated each year on July 1 and are based on GNI per capita in current USD (using the Atlas method exchange rates) of the previous year (i.e. 2019 in this case).

Group	July 1, 2020 (new)	July 1, 2019 (old)
Lower-middle income	1,036 - 4,045	1,026 - 3,995
Upper-middle income	4,046 - 12,535	3,996 - 12,375
Low income	< 1,036	< 1,026
High income	> 12,535	> 12,375

37. Answer: d

Explanation:

The correct answer is Mumbai Indians, Sunrisers Hyderabad, Royal Challengers Bangalore, Delhi Capital.

★ Key Points

- **Four teams made into the playoffs in IPL 2020:**
 - Mumbai Indians,
 - Delhi Capitals,
 - Sunrisers Hyderabad and
 - Royal Challengers Bangalore.

★ Important Points

- **IPL 2020** is the consecutive second time Mumbai Indians won the IPL title & and overall 5th time.
 - IPL 2019: Mumbai Indians beat Chennai Super Kings by 1 run.

- IPL 2017: Mumbai Indians beat Rising Pune Supergiant by 1 run.
- IPL 2015: Mumbai Indians beat Chennai Super Kings by 41 runs.
- IPL 2013: Mumbai Indians beat Chennai Super Kings by 23 runs.

★ Additional Information

- Indian Premier League:
 - It is a Twenty20 cricket league that is contested by ten teams based out of 10 cities/states of India.
 - The tournament follows a double round-robin and playoffs format.
 - It was founded in 2007 by the Board of Control for Cricket in India (BCCI).
 - Most numbers of titles are won by the Mumbai Indians i.e. 5 titles.

38. Answer: a

Explanation:

The correct answer is Akshay Kumar.

★ Key Points

- Actor Akshay Kumar has served a defamation notice to a YouTuber from Bihar, seeking ₹500 crore.
- It is in damages for making "false and baseless allegations" against him in the Sushant Singh Rajput death case.
- YouTuber Rashid Siddiquee has opposed the defamation notice.

★ Additional Information

- Sushant Singh Rajput was an Indian actor known for his work in Hindi cinema.
- He worked in a number of commercially successful Hindi films such as M.S. Dhoni: The Untold Story, Kedarnath and Chhichhore.
- He was found dead at his home in June 2020.

39. Answer: c

Explanation:

The correct answer is Arya Rajendran.

★ Key Points

- In December 2020, **Arya Rajendran** became the youngest mayor of the **Thiruvananthapuram Municipal Corporation**.
- Twenty-one-year-old Arya Rajendran was sworn in as the Mayor of the **Thiruvananthapuram city Corporation**.
- She secured **54 votes in the 100-member Council** in the election held on the morning of December 28.
- She is the youngest to become Mayor till date in the country.

★ Additional Information

- **Sreekala Nadar** is a IND candidate from Kattakkada constituency in the 2021 Kerala Assembly elections.
- **Sobha Surendran** is an Indian politician from the state of Kerala, allied to the Bharatiya Janata Party.
 - **Sobha** is the first woman politician from Kerala BJP to hold a position at the national level.

40. Answer: d

Explanation:

The correct answer is 11.

★ Key Points

- India has won **11 medals at the 2021 AIBA Youth Men's and Women's World Boxing Championships** held in Kielce, Poland.

- Indian women's team scripted history and secured the highest medal haul at the prestigious event.

★ Additional Information

- Gitika (48kg), Naorem Babyrojisana Chanu (51kg), Poonam (57kg), Vinka(60kg), Arundhati Choudhary (69kg), T Sanamacha Chanu (75kg) and Alfiya Pathan (+81kg) clinched gold medals as India finished at the No. 1 position in the women's section with seven gold medals.
- The only Indian man Sachin won the men's 56kg gold medal at the event.
- India had sent a 20-member team to Poland for the tournament.
- The 10-day biennial event saw **414 boxers from 52 countries participating.**

41. Answer: c

Explanation:

The correct answer is Burzahom.



Key Points

- Pit houses dug into the ground, with steps leading into them were found at the **Burzahom archaeological site.**
- The " **Burzahom** " Neolithic site is located in the Kashmir Valley of the Indian Union territory of **Jammu and Kashmir, in the district of Srinagar.**
- The site of Burzahom is a unique comprehensive storyteller of **life between 3000 BCE to 1000 BCE.**
- The Burzahom site revealed the transition from the subterranean and ground-level housing features of the Neolithic people to the mud brick structures of the Megalithic people.
- The site was Excavated in **1939.**

★ Additional Information

- **Utnoor** is a census town in Adilabad district of the Indian state of Telangana.
 - It is known for the **neolithic excavations**.
- **Paiyampalli** is a **Neolithic site** in Tamil Nadu.
- **Hallur** is an archaeological site located in the Haveri district, in the Indian state of Karnataka.

42. Answer: b

Explanation:

The correct answer is 1954.

★ Key Points

- **Bharat Ratna** is the highest civilian honour in India.
- Any person without distinction of **race, occupation, position, or sex is eligible for these awards**.
- Bharat Ratna was instituted in the year **1954**.
- It is not mandatory that Bharat Ratna be awarded every year.

★ Additional Information

- The **first three recipients of Bharat Ratna are** :
 - C. Rajagopalachari.
 - Sarvepalli Radhakrishnan.
 - CV Raman.
- **Lal Bahadur Shastri** was the first person to be awarded Bharat Ratna posthumously.
- There is no written provision that Bharat Ratna should be awarded to Indian citizens only.
- **Khan Abdul Ghaffar Khan** was the first foreigner to get Bharat Ratna.
- **Indira Gandhi** was the first woman to get Bharat Ratna.
- **Sachin Tendulkar** is the first sportsperson to get Bharat Ratna.
- Bharat Ratna was last awarded on 25 January 2019.
- The 2019 recipients of the Bharat Ratna award are:
 - Nanaji Deshmukh (Posthumous).

- Bhupen Hazarika (Posthumous).
 - Pranab Mukherjee.
-

43. Answer: c

Explanation:

The correct answer is December 1.

★ Key Points

- Every year, World AIDS Day is celebrated on **1 December to make people aware of HIV infection.**
- The 1st of December was designated as **World Aids Day since 1988.**
- The day is celebrated to raise awareness of AIDS and the cause of the spread of HIV infection and to mourn those who have died of the disease.
- It was first conceived in **August 1987 by James W. Bunn and Thomas Netter.**

★ Additional Information

- **Human Immunodeficiency Virus:**
 - It is a virus that attacks cells of the human body which helps the body to fight infection.
 - The virus makes the body more vulnerable to other infections and diseases.
 - It is spread by contact with certain bodily fluids of a person infected with HIV, most commonly during unprotected sex or through sharing injection drug equipment.
 - **Acquired Immunodeficiency Syndrome (AIDS):**
 - **AIDS** is a disease caused due to HIV infection that occurs when the body's immune system is damaged.
 - **Elisa Test** is done for the test HIV Virus (AIDS).
-

44. Answer: b

Explanation:

The correct answer is

Exoplanet.



Key Points

- **Exoplanet** is a planet outside our solar system that usually orbits another star in our galaxy.
- Planets that orbit around other stars are called exoplanets.
- All of the planets in our solar system orbit around the Sun.
- Planets that orbit around other stars are called **exoplanets**.
- Exoplanets are very hard to see directly with **telescopes**.

★ Additional Information

- **Mesoplanets** are planetary-mass objects with sizes smaller than **Mercury** but larger than **Ceres**.
- **Super-Earths** are a unique class of exoplanet in the solar system that are more massive than our planet but lighter than the ice giants, according to NASA.
- **Haumea** is roughly the same size as Pluto.
 - It is one of the fastest rotating large objects in our solar system.

45. Answer: b

Explanation:

The correct answer is

Chola.



Key Points

- The **Vetti** means **forced labour**.
- This was a kind of tax under the **Chola empire**.
- The Vetti tax was taken in the **form of forced labour, not in cash**.
- The Chola dynasty was founded by **Vijayalaya** and was also the first ruler of this dynasty.

★ Additional Information

- The **Tamil Chola rulers** in South India and other nearby countries built up an extremely powerful Hindu kingdom **between the 9th century and the 13th century**.
- The inscriptions of the Cholas who ruled Tamil Nadu contain more than **400 words for different types of taxes**.
- The land revenue was called **Kadamai**.
- Taxes on thatched houses, tax on the use of ladders to climb the palm trees, cess on the inheritance of family property etc. taxes were also there.
- But there were no specific words for these in the **Chola inscriptions**.

46. **Answer: b**

Explanation:

The correct answer is State Bank of India.

★ Key Points

- In August 2021, **State Bank of India** opened the first floating ATM in Srinagar on a houseboat at Dal Lake.
- State Bank of India opened a floating ATM on a **Houseboat at Dal Lake in Jammu and Kashmir's Srinagar for the convenience of locals and tourists**.
- The floating ATM was inaugurated by **SBI Chairman Dinesh Khare**.

★ Additional Information

- **State Bank of India** is an Indian multinational, public sector banking and financial services statutory body.

- It is headquartered in **Mumbai, Maharashtra.**
 - The current SBI Chairman Dinesh Khare.
 - He is the **26th Chairperson of the State Bank of India.**
-

47. Answer: c

Explanation:

The correct answer is Rajasthan.

★ Key Points

- The 'Statue of Peace' in the state of **Rajasthan** was unveiled via video conferencing by Prime Minister Narendra Modi in November 2020.
- In November 2020, P.M. Narendra Modi virtually unveiled the Statue of Peace in Rajasthan on the 151st birth anniversary occasion of Jain monk Acharya Shree Vijay Vallabh Surishwer Ji Maharaj.
- The **151inch tall statue has been made using Ashtadhatu** , which comprises, majorly, of copper and a combination of eight metals.
- The statue has been installed at **Vijay Vallabh Sadhana Kendra in Rajasthan.**

★ Additional Information

- About **Shree Vijay Vallabh Surishwer Ji Maharaj**
 - The saint Shree Vijay Vallabh Surishwer Ji Maharaj lived during **1870–1954.**
 - He worked selflessly to spread the message of **Lord Mahavira.**
 - It is common knowledge that the saint also worked tirelessly for the welfare of the masses, abolition of social evils, and spread of education.
 - He also actively supported the **freedom and Swadeshi movement.**
-

48. Answer: a

Explanation:

The correct answer is salty.



Key Points

- The ocean bodies and the sea contain **salty** water.
- The water of the oceans is salty or saline as it contains **large amount of dissolved salts**.
- Most of the salt is sodium chloride or the common **table salt that we eat**.

★ Additional Information

- The ocean covers more than **70 percent of the surface of our planet**.
- About **97 percent of the Earth's water** can be found in our ocean.
- About two percent is frozen up in glaciers and ice caps.
- Less than one percent of all the water on **Earth is fresh**.
- A tiny fraction of water exists as **water vapor in our atmosphere**.

49. Answer: c

Explanation:

The correct answer is ₹ 10 lakh.

★ Key Points

- **₹ 10 lakh** is the maximum cost of a project admissible under the business/service sector in the 'Prime Minister's Employment Generation Programme' ('PMEGP').
- The maximum cost of the project/unit admissible in **the manufacturing sector is ₹ 25 lakhs and in the business/service sector, it is ₹ 10 lakhs**.
- The balance amount of the total project cost will be provided by the banks in the form of **term loans and working capital**.

★ Additional Information

- **'Prime Minister's Employment Generation Programme** is implemented by **Khadi and Village Industries Commission (KVIC)** functioning as the nodal agency at the national level.
- The PMEGP has now been approved for continuation over the **15th Finance Commission Cycle for five years from 2021-22 to 2025-26 with an outlay of Rs.13554.42 Crore.**
- At the state level, the scheme is implemented through **State KVIC Directorates, State Khadi and Village Industries Boards (KVIBs), District Industries Centres (DICs) and banks.**
- In such cases KVIC routes government subsidy through designated banks for eventual disbursement to the beneficiaries/entrepreneurs directly into their bank accounts.

50. Answer: b

Explanation:

The correct answer is Alivardi Khan.

★ Key Points

- **Siraj ud-Daulah** succeeded **Alivardi Khan** as the Nawab of Bengal in 1756.
- Siraj-ud-Daulah attacked Fort William and imprisoned the British men and women in a small cell which later became known as the **Black Hole of Calcutta**.
- **Alivardi Khan** was succeeded by his grandson **Siraj-ud-Daula**.
- In 1756 AD, **Siraj-ud-Daula** seized the English factory at Kasim bazar and marched to Calcutta and occupied Fort William.

★ Additional Information

- **Mir Qasim** formed an alliance with Nawab of Awadh, Shuja-ud-Daula, and Mughal Emperor Shah Alam-II and fought with the British army at Buxar on 22nd October 1764 AD.
- **Mir Jafar** was a successor of Siraj ud-Daulah to whom he served as a Commander and betrayed him in the Battle of Plassey.

- **Murshid Quli Khan**, also known as Mohammad Hadi and born as Surya Narayan Mishra, was the first Nawab of Bengal, serving from 1717 to 1727.

51. Answer: b

Explanation:

Given:

The sum of the length, breadth and height of a cuboid is 18 cm.

The length of its diagonal is 13 cm,

Formula used:

If the length, breadth, and height of a box are l , b , and h respectively

Then, the diagonal of the of the cuboid = $\sqrt{l^2 + b^2 + h^2}$

The total surface area of the cuboid is = $2(lb + bh + bl)$

Calculation:

As per the question,

Diagonal of the of the cuboid = 13

$$\Rightarrow \sqrt{l^2 + b^2 + h^2} = 13$$

$$\Rightarrow (l^2 + b^2 + h^2) = 169$$

Now,

$$(l + b + h) = 18$$

$$(l + b + h)^2 = 18^2$$

$$\Rightarrow (l^2 + b^2 + h^2) + 2(lb + bh + bl) = 324$$

$$\Rightarrow 2(lb + bh + bl) = 324 - 169$$

$$\Rightarrow 155 \text{ cm}^2$$

The total surface area of the cuboid is 155 cm^2

52. Answer: d

Explanation:

Given:

Ram bought an article for ₹6,800 and spent ₹700 on its repairs.

He marked his article at 8% above the overall cost price.

He sold the article for ₹6,196.50 after giving two successive discounts of 10% and x%

Concept used:

Total cost price = Article's cost price + spent on its repair

Calculation:

$$\text{Total cost price} = 6800 + 700$$

$$\Rightarrow \text{Rs } 7500$$

$$\text{So the market price} = 7500 \times (108 / 100)$$

$$\Rightarrow \text{Rs } 8100$$

After 1st discount,

$$\text{selling price} = 8100 - 8100 \times 10/100$$

$$\Rightarrow 8100 - 810$$

$$\Rightarrow \text{Rs } 7290$$

$$\text{So 2nd discount amount} = 7290 - 6,196.50$$

⇒ 1093.50

So 2nd discount percentage (x) = $(1093.50 / 7290) \times 100$

⇒ 15%

The value of x is 15%

★ Additional Information

Profit is calculated on Cost Price.

And discount is calculated on Market Price.

53. Answer: b

Explanation:

Given:

A sum of Rs8,400 is divided between A and B such that A's share at the end of 2 years is equal to B's share at the end of (2) years 8 months

At 15% p.a., interest compounded for 8 months.

Concept used:

Amount = Principal(1 + Rate of interest /100)

Calculation:

Interest rate for 8 monthly = $(15 / 12) \times 8$

⇒ 10%

Let one part A be x, so other part b = 8400 - x

As per the question,

$$x (1 + 10/100)^3 = (8400 - x) (1 + 10/100)^4$$

$$\Rightarrow x = (8400 - x) \times 11/10$$

$$\Rightarrow x = 400 \times 11$$

$$\Rightarrow x = \text{Rs } 4400$$

A's share in the given sum is Rs 4400

54. Answer: d

Explanation:

Given:

Pipes A and B can fill a tank in 12 h and 18 h, respectively, whereas pipe C can empty the full tank in 8 h.

A and B opened for $4\frac{1}{2}$ h and then closed.

Concept used:

$$\text{Efficiency} = (\text{Total work} / \text{Total time taken})$$

Efficiency = work done in a single day

Calculation:

Let total work is 72 units (LCM of 12, 18 and 8)

$$\text{The efficiency of A} = 72 / 12$$

$$\Rightarrow 6 \text{ units}$$

$$\text{The efficiency of B} = 72 / 18$$

$$\Rightarrow 4 \text{ units}$$

So A + B together do in one day $6 + 4 = 10$ units

So they do in 4.5 hours, $4.5 \times 10 = 45$ units

c empty 45 units alone

So, the efficiency of C = $72 / 8$

$\Rightarrow 9$ unit

So, C takes $45 / 9 = 5$ hours to empty the tank

C alone will empty the tank in 5 hr.

55. Answer: a

Explanation:

Given:

Two numbers are in the ratio 2 : 3.

The product of their LCM and HCF is 7350.

Formula used:

LCM \times HCF = Multiplication of the numbers

Calculation:

Let one number be $2x$.

so, other number be $3x$

So as per the formula,

$$(2x) \times (3x) = 7350$$

$$\Rightarrow 6x^2 = 7350$$

$$\Rightarrow x^2 = 1225$$

$$\Rightarrow x = 35$$

The difference is $3x - 2x = x$

So, the **difference is 35**

56. Answer: d

Explanation:

Given:

A sold an article to B at 24% profit.

B sold it to C at 30% profit.

B's profit was Rs 72.60 more than that of A

Concept used:

$$SP = CP + \text{profit}$$

Profit is calculated on cost price

Calculation:

Let the CP of A = 100

SP of A = 124

$$SP \text{ of B} = 124 + 124 \times 30/100$$

$$\Rightarrow 124 + 37.20 = 161.20$$

$$\text{B's profit} = 161.20 - 124$$

$$\Rightarrow 37.2$$

The difference in profits, $37.20 - 24 = 13.20$

As per the question,

Value of 13.2 units = 72.60

Value of 124 units = $(72.60 / 13.2) \times 124$

$\Rightarrow 5.5 \times 124$

\Rightarrow Rs 682

B pay for it Rs 682

57. Answer: c

Explanation:

Given:

The sum and the difference of the LCM and HCF of two positive numbers are 148 and 140, respectively.

one number is 16

Formula used:

LCM \times HCF = Multiplication of the numbers

Calculation:

$$\text{LCM} + \text{HCF} = 148 \dots (1)$$

$$\text{LCM} - \text{HCF} = 140 \dots (2)$$

By Subtracting equation 2 from 1 we get ,

$$2 \text{ HCF} = 148 - 140$$

$$\Rightarrow \text{HCF} = 8 / 2$$

$$\Rightarrow \text{HCF} = 4$$

$$\text{LCM} = 148 - 4$$

$$\Rightarrow \text{LCM} = 144$$

Let other number be x

So as per the formula,

$$16 \times x = 144 \times 4$$

$$\Rightarrow x = 144 / 4$$

$$\Rightarrow x = 36$$

So, the other number is 36

58. Answer: b

Explanation:

Given:

The income of A and B are in the ratio 8 : 11,

And the ratio of their savings is 7 : 9.

The expenditure of A and B is Rs25,000 and Rs35,000, respectively.

Concept used:

Income - savings = Expenditure

Calculation:

Let the income of A and B be 8x and 11x respectively.

And the savings of A and B are 7y and 9y respectively.

As per the question,

$$8x - 7y = 25000 \dots\dots (1)$$

$$11x - 9y = 35000 \dots\dots (2)$$

By solving both equations we get,

$$x = 4000 \text{ and } y = 1000$$

$$\text{Income of B} = 11 \times 4000$$

$$\Rightarrow \text{Rs } 44000$$

The income of B is Rs 44000

59. Answer: d

Explanation:

Given:

When the speed of a car is increased by 25%, it takes 24 minutes less to cover the same distance.

Concept used:

The speed ratio is inversely proportional to the time ratio.

Calculation:

Let, the speed of the car be 100 units

$$\text{So after increased speed} = (100 + 100 \times 25/100)$$

$$\Rightarrow 100 + 25 = 125 \text{ units}$$

$$\text{So speed ratio is } 100 : 125 = 4 : 5$$

So, the time ratio will be 5:4

Let, the time at 1st be 5x and then be 4x

As per the question $5x - 4x = 24$

$\Rightarrow x = 24$ minutes

So, initial time

$5x = 5 \times 24$

$\Rightarrow 120$ minutes = 2hr

The time taken to cover the same distance at the actual speed is 2 hr

Distance = Speed \times Time

★ Additional Information

60. Answer: b

Explanation:

Given:

A and B can complete a work in 12 days and 18 days, respectively.

They worked together for 4 days after which B was replaced by C

And the remaining work was completed by A and C in the next 4 days.

Concept used:

Efficiency = (Total work / Total time taken)

Efficiency = work done in a single day

Calculation:

Let total work is 36 units (LCM of 12 and 18)

The efficiency of A = $36 / 12$

⇒ 3 units

The efficiency of B = $36 / 18$

⇒ 2 units

So A + B together do in one day $3 + 2 = 5$ units

So they do in 4 days $5 \times 4 = 20$ units

Remaining $36 - 20 = 16$ units done by A + C in 4 days

The efficiency of A + C = 4 units

So the efficiency of C = $4 - 3$

⇒ 1 unit

So, C takes $36 / 1 = 36$ days to do the total work

C, $36 / 3 = 12$ days to do the one-third total work

C alone complete one-third of the same work in 12 days

★ Additional Information

(Efficiency of a Person is inversely proportional to the number of days to complete the work)

61. Answer: a

Explanation:

Given:

Sushma has invested 40% more than Reshma,

Reshma has invested 30% less than Divya.

The amount invested by Divya is Rs 6,000

Calculation:

Reshma has invested = $6000 \times 70 / 100$

\Rightarrow Rs 4200

Sushma has invested = $4200 \times 140 / 100$

\Rightarrow Rs 5880

The amount invested by Sushma is Rs 5880

62. Answer: d

Explanation:

Given:

The cost prices of the two articles are in the ratio 4 : 5.

Selling the first article at 10% profit and the second at 20% profit

The difference of Rs 480 in their selling prices.

Concept used:

Selling Price = $CP + (\text{Profit percentage} / 100) \times CP$

Calculation:

Let, the cost price be $4x$ and $5x$

The selling price of the 1st article is

$4x + 4x \times (10/100)$

$\Rightarrow 4x + 0.4x$

$\Rightarrow 4.4x$

The selling price of the 2nd article is

$$5x + 5x \times (20/100)$$

$$\Rightarrow 5x + x$$

$$\Rightarrow 6x$$

As per the question,

$$6x - 4.4x = 480$$

$$\Rightarrow 1.6x = 480$$

$$\Rightarrow x = 480 / 1.6$$

$$\Rightarrow x = 300$$

So the total cost price of two article = $4x + 5x$

$$\Rightarrow 9x$$

$$\text{Value of } 9x = 9 \times 300$$

$$\Rightarrow \text{Rs } 2700$$

The cost price is Rs 2700

★ Shortcut Trick

Among the given options, 2700 is only divisible by 9.

And from the question, it is clear that the option will be a multiple of $9 = (4 + 5)$ always

So, the answer will be Rs 2700

63. Answer: b

Explanation:

Given:

A trader earns a profit of 20% by selling an article after giving a discount of 20% on the marked price of the article.

The cost price of the article is Rs 448

Formula used:

If a shopkeeper wants a profit of R% after allowing a discount of r%

Then the Market price(MP) of the item = $CP \times \left(\frac{100+R}{100-r} \right)$

Calculation:

As per the question,

$$448 = MP \times (100 - 20) / (100 + 20)$$

$$\Rightarrow 448 = MP \times (80 / 120)$$

$$\Rightarrow 448 = MP \times (80 / 120)$$

$$\Rightarrow MP = (448 \times 120) / 80$$

$$\Rightarrow \text{Rs } 672$$

So the market price of the article is Rs 672

★ Additional Information

Profit is calculated on Cost Price.

And discount is calculated on Market Price

64. Answer: a

Explanation:

Concept used:

BODMAS rule.

Calculation:

$$36 \div 18 \text{ of } 3 \times 2 + 8 \div 4 \text{ of } 2 \times 5 - 5 \div 10 \times 2$$

$$\Rightarrow 36 \times (1/18) \times (1/3) \times 2 + 8 \times 1/4 \times 1/2 \times 5 - (5/10) \times 2$$

$$\Rightarrow (2/3) \times 2 + 5 - 1$$

$$\Rightarrow 4/3 + 4$$

$$\Rightarrow 16/3$$

$$\Rightarrow 5\frac{1}{3}$$

The value is $5\frac{1}{3}$

65. Answer: c

Explanation:

Given:

Sudha gains 30% by selling an article for Rs 91.

she sells it for Rs 78.75

Concept used:

$$\text{Cost price} = \text{Selling price} \times \left(\frac{100}{100 + \text{Gain}} \right)$$

$$\text{CP} + \text{Profit} = \text{SP}$$

Calculation:

$$\text{The cost price of the article} = 91 \times 100/130$$

$$\Rightarrow 70$$

So profit by sells it for Rs $78.75 = 78.75 - 70$

$\Rightarrow 8.75$

Profit percentage = $(8.75 / 70) \times 100$

$\Rightarrow 12.5\%$

So the profit percentage is $12\frac{1}{2}\%$

66. Answer: b

Explanation:

Given:

A spherical ball of radius 3 cm, is immersed in water contained in a vertical cylinder of radius 5 cm.

Formula used:

Volume of sphere = $(4/3)\pi r^3$

Volume of cylinder = $\pi r^2 h$

Concept used

Volume of sphere = Volume of cylinder

Calculation:

As per the question,

$$\pi \times (5)^2 \times h = (4/3) \times \pi \times (3)^3$$

$$\Rightarrow h = (4/3) \times 27 / 25$$

$$\Rightarrow h = 36 / 25$$

$$\Rightarrow h = 1.44 \text{ cm}$$

The rise in the water level is 1.44 cm.

67. Answer: b

Explanation:

Given:

The sum = Rs 30,051

In 3 years if the rate of interest is 5% for the 1st year, 6% for the 2nd year and 8% for the 3rd year

Concept used:

Compound interest = interest on interest + interest on principal

Calculation:

The option test will be the best way to solve these questions.

for 1st year interest will be $25000 \times 1 \times 5 / 100 = \text{Rs}1250$

Total amount after 1st year is $25000 + 1250 = \text{Rs } 26250$

for 2nd year amount will be,

$$26250 + (26250 \times 1 \times 6) / 100$$

$$\Rightarrow 26250 + 1575$$

$$\Rightarrow \text{Rs } 27825$$

In 3rd year,

The amount will be,

$$27825 + (27825 \times 1 \times 8) / 100$$

$$\Rightarrow 27825 + 2226$$

⇒ Rs 30051

So, the sum is Rs 25000

68. Answer: a

Explanation:

Given:

A train takes 1 hour and 12 minutes to cover a certain distance at a speed of 80 km/h

The speed is increased by 25%

Concept used:

Distance = speed × Time

Calculation:

1hr 12 min = $6 \frac{2}{5}$ hr

Total distance = $80 \times 6 \frac{2}{5}$

⇒ 96 km

$\frac{25}{3}$ of the distance = $96 \times \frac{25}{3}$

⇒ 800 km

Now changed speed = $80 \times \frac{125}{100}$

⇒ 100 km / hr

Time = $800 / 100$

⇒ 8 hr

The time will take to cover $\frac{25}{3}$ of the distance is 8hr

69. Answer: d

Explanation:

Given:

The pass percentage in an examination is 35% of the total marks.

A student scored 390 marks and was declared fail by 65 marks.

Calculation:

A student scored 390 marks and was declared fail by 65 marks

So the passing marks is $390 + 65 = 455$

As per the question,

Value of 35% = 455

So value of 100% = $(455 / 35) \times 100$

⇒ 1300

The total marks of the examination must be 1300

70. Answer: a

Explanation:

Given:

Class X has 5 sections with 40, 50, 50, 60 and 60 students, respectively.

The pass per cent of these sections are 80%, 76%, 64%, 65% and 70%, respectively.

Calculation:

Pass candidate Class X has 5 sections which have 40 students is $40 \times 80 / 100 = 32$

Pass candidate Class X has 5 sections which have 50 students is $50 \times 76 / 100 = 38$

Pass candidate Class X has 5 sections which have 50 students is $50 \times 64 / 100 = 32$

Pass candidate Class X has 5 sections which have 60 students is $60 \times 65 / 100 = 39$

Pass candidate Class X has 5 sections which have 60 students is $60 \times 70 / 100 = 42$

Total number of candidates is $40 + 50 + 50 + 60 + 60 = 260$

Total number of passing candidates is $32 + 38 + 32 + 39 + 42 = 183$

Passing percentage $(183 / 260) \times 100 = 70.38 \%$

The total Passing percentage is 70.38%

71. Answer: c

Explanation:

Given:

The boys and girls in a school are in the ratio 7 : 5.

60% of the boys and 40% of the girls are aged 14 years and below the age of 14 years

The number of students above the age of 14 years is 870

Calculation:

Let, the number of boys be 70 units

number of boys be 50 units

Total number of students is $70 + 50 = 120$ units

So, the boys aged 14 years and below the age of 14 years = $70 \times 60/100$

⇒ 42 units

the number of boys above the age of 14 years is = $70 - 42$

⇒ 28 units

So, the girls aged 14 years and below the age of 14 years = $50 \times \frac{40}{100}$

⇒ 20 units

the number of boys above the age of 14 years is = $50 - 20$

⇒ 30 units

Total students above the age of 14 years is = $30 + 28$

⇒ 58 units

As per the question,

Value of 58 units = 870

⇒ 120 units = $(870 \times 120) / 58$

⇒ 1800

Total number of students is 1800

72. Answer: b

Explanation:

Given:

The average weight of 5 persons increases by 2.8 kg

A new person comes in place of one of them weighing 38 kg

Calculation:

total increase in weight = 2.8×5

$\Rightarrow 14$ kg

So weight of the new person = $38 + 14$

$\Rightarrow 52$ kg

The weight of the new person is 52 kg

★ Alternate Method

Formula used:

If the average weight of b person increases by n kg when a new person comes in place of one of them weighing a kg

Then the weight of the new member = $a + nb$

Calculation,

So the weight of the new person will be,

$$38 + 2.8 \times 5 = 52 \text{ kg}$$

The weight of the new person is 52 kg

73. Answer: a

Explanation:

Given:

The compound interest on ₹20,000 at 9% per annum for one year and 4 month.

Concept used:

Compound interest means the interest on interest and the interest on principal both.

Calculation:

Interest rate 9% per annum

So the interest rate for month = $(9 / 12) \times 4$

⇒ 3%

So the interest for 1 yr = $(20000 \times 1 \times 9) / 100$

⇒ Rs 1800

Interest for last 4 month = $(1800 \times 1 \times 3 + 20000 \times 1 \times 3) / 100$

⇒ 500 + 154

⇒ 654

Total interest for 1 yr and 4 months will be $1800 + 654 = \text{Rs } 2454$

Total Interest is Rs 2454

74. Answer: a

Explanation:

Given:

The average number of 19 students is 74

But by mistake, he writes the number 65 instead of 56

Concept Used:

Total number = Average × Number of students

Calculation :

The total number of 19 students is = (74×19)

⇒ 1406

By mistake, he writes the number 65 instead of 56

So total increased value = $65 - 56$

⇒ 9

New, correct total number of 15 students = $1406 - 9$

⇒ 1397

So the correct average of these 15 numbers is = $1397 / 19$

⇒ 73.52

The actual average of these 19 students is 73.5

★ Alternate Method

Given:

The average number of 19 students is 74

But by mistake, he writes the number 65 instead of 56

Calculation:

So, total increased value = $65 - 56$

⇒ 9

So total average increased = $9 / 19$

⇒ .47

The correct average was $74 - 0.47$

⇒ 73.5

The actual average of these 19 students is 73.5

75. Answer: c

Explanation:

$$\frac{10}{21} \div 1\frac{1}{14} \text{ of } \frac{5}{3} - \frac{5}{3} \times \frac{1}{10} + \frac{9}{28} \div \frac{3}{7} \text{ of } \frac{6}{5}$$

$$\Rightarrow \frac{10}{21} \times \frac{14}{15} \times \frac{3}{5} - \frac{5}{3} \times \frac{1}{10} + \frac{9}{28} \times \frac{7}{3} \times \frac{5}{6}$$

$$\Rightarrow \frac{2}{3} \times \frac{2}{3} \times \frac{3}{5} - \frac{1}{6} + \frac{3}{4} \times \frac{5}{6}$$

$$\Rightarrow (4 / 15) - (1 / 6) + (5 / 8)$$

$$\Rightarrow \frac{32-20+75}{120}$$

$$\Rightarrow 87 / 120$$

$$\Rightarrow 29 / 40$$

So the value is 29 / 40

76. Answer: c

Explanation:

The correct answer is: **In a difficult situation**

★ Key Points

- "In a fix" means In a difficult or embarrassing situation or in a dilemma.
 - Example - *He's **in a fix** and needs our help.*
- So, it is clear that the most appropriate meaning of the given idiom "In a fix" is "**In a difficult situation**"

Hence, the correct answer is option 3.

77. Answer: c

Explanation:

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

★ Key Points

- The given sentence is written in the past tense.
- "three friends" is a plural subject, so a plural verb is used here, which is 'Spent'.
- Discussing is the gerund or present participle of Discuss, which means to talk or write about something seriously or formally.
- So, the given sentence is both grammatically and conceptually correct.

Therefore, the correct answer is **option 3**.

78. Answer: c

Explanation:

The correct answer is: Dislike

★ Key Points

- Disgust means a strong feeling of not liking or approving of something/somebody that you feel is unacceptable.
 - Example - *The film was so bad that we walked out in **disgust**.*
- Marked option Dislike means the feeling of not liking somebody/something.
 - Example - *He seems to have a strong **dislike** of hard work.*
- It is clear that 'Disgust' and 'Dislike' are similar in meaning.

Therefore the correct answer is option 3.

★ Additional Information

- Desire means the feeling of wanting something very much; a strong wish.

- Doubt means a feeling of not knowing what to believe or what to do.
 - Danger means the chance that somebody/something may be hurt, killed, or damaged or that something bad may happen.
-

79. Answer: c

Explanation:

The correct answer is: Dismal

★ Key Points

- **Dismal** means extreme and utterly depressing gloominess.
 - Example - *When I saw the doctor's **dismal** face, I knew the news was not going to be good.*
- So, it is clear that the 'Dismal' can be used as a one-word substitute for 'Causing a mood of gloom and depression'

Therefore, the correct answer is option 3 .

★ Additional Information

- Devastated means extremely shocked and upset.
 - Desolate means extremely sad and feeling alone.
 - Apprehensive means being worried or afraid that something unpleasant may happen.
-

80. Answer: c

Explanation:

The correct answer is: **Derived**

★ Key Points

- Let's look at the meaning of the given words.
 - **Dedicated** means giving a lot of your energy, time, effort, etc. to something that you believe to be important.
 - **Decimated** means to kill large numbers of animals, plants, or people in a particular area.
 - **Decorated** means to add something in order to make a thing more attractive to look at.
 - **Derived** means to come from something; to have something as its origin.
 - **Deflected** means to turn somebody's attention away from something.
- So, as per the meaning of the given words, " **derived** " is the appropriate one.
- The implied meaning of the sentence is: As is well known, mulberry silkworms' cocoons are the source of silk.

Therefore, the correct answer is **option 3**.

81. **Answer: d**

Explanation:

The correct answer is: Genetics

★ **Key Points**

- **Genetics** means a branch of biology that deals with the heredity and variation of organisms.
- So, it is clear that 'Genetics' can be used as a one-word substitute for '**Science of heredity**'

Therefore, the correct answer is option 4 .

★ **Additional Information**

- **Orthopedics** means the area of medicine connected with injuries and diseases of the bones or muscles.
- **Pathology** means the study of the essential nature of diseases and especially of the structural and functional changes produced by them.

- **Genealogy** means the study of family history, including who the ancestors of a person were.

82. Answer: d

Explanation:

The erroneous spelling is: Yatch.

★ Key Points

- The correct spelling should be ' Yacht '.
- Yacht means a large boat with a motor, used for pleasure.
 - Example - *If you're on a cargo ship, you're probably at work; if you're on a yacht, it's probably your day off.*

Therefore, the correct answer is option 4 which is incorrectly spelt.

★ Additional Information

- Snatch means to take something with a quick rough movement.
- Batch means a number of things or people which belong together as a group.
- Catch means to take hold of something that is moving, usually with your hand or hands.

83. Answer: b

Explanation:

The erroneous part of the sentence is: **in India known**

★ Key Points

- Replace " **known** " with " **know** " to correct the sentence.
- " **Know** " is the present tense form of the verb "to know".

- “ **Known** ” is the past participle of the verb “to Know”.
- The given sentence is written in the simple present tense and in the question form.
- So, we have to use the present form of the verb that is "know"

Therefore, the correct answer is **option 2** , which contains an error.

Corrected sentence:How many languages do most children in India **know** ?

84. Answer: b

Explanation:

The correct answer is: Notice

★ Key Points

- Overlook means to fail to see or notice something.
 - Example - *I will **overlook** your behavior this time but don't let it happen again.*
- Marked option Notice means to see and become conscious of something.
 - Example - *The protests are finally making the government take **notice** .*
- It is clear that 'Overlook ' and ' Notice ' are opposite in meaning.

Therefore the correct answer is option 2.

★ Additional Information

- Ignore means paying no attention to somebody/something.
- Neglect means giving too little or no attention or care to somebody/something.
- Visualize means to imagine or have a picture in your mind of somebody/something.

85. Answer: d

Explanation:

The erroneous part of the sentence is: **who were born**

★ Key Points

- The error here lies in the subject-verb agreement.
- The basic rule states that a singular subject takes a singular verb while a plural subject takes a plural verb.
- Raju is a third-person singular subject.
- In the first case "was" is used for a singular subject which is perfectly fine.
- We use "who" in the sentence to replace the noun. ('Raju' in this sentence)
- So, we must use "was" (singular verb) in the second case.

Therefore, the correct answer is **option 4**, which contains an error.

Corrected sentence: *Raju was a little boy who **was** born in a poor family.*

86. Answer: d

Explanation:

The correct answer is: **neglected**

★ Key Points

- Let's look at the meaning of the given words.
 - **Deserted** means empty, because all the people have left.
 - **Rejected** means to refuse to accept somebody/something.
 - **Despised** means to hate somebody/something very much.
 - **Neglected** means a situation in which you do not give enough care or attention to someone or something.
- As per the meaning of the given words "neglected" is the most appropriate option to fill in.
- The implied meaning of the sentence is: At no cost can health be overlooked.

Therefore, the correct answer is **option 4**.

Complete sentence: *Health cannot be beneglected at any cost.*

87. Answer: a

Explanation:

The correct answer is: **Having no planned ending**

★ Key Points

- An " **open-ended** " activity or situation does not have a planned ending.
 - Example - *We are not willing to enter into **open-ended** discussions.*
- So, it is clear that the most appropriate meaning of the given idiom " **Open-ended** " is "Having no planned ending"

Hence, the correct answer is **option 1**.

88. Answer: b

Explanation: Your Personal Exams Guide

The correct answer is: **I played**

★ Key Points

- Replace " **play** " with " **played** " to correct the sentence.
- Yesterday is mentioned in the given sentence which means the day before today.
- We use " **yesterday** " to refer to any past incidents.
- So, the sentence should also be written in the past tense.

Therefore, the correct answer is **option 2**.

Corrected sentence: *I played football yesterday.*

89. Answer: b

Explanation:

The correct answer is: Enemy

★ Key Points

- Ally means friends, specifically friendly nations that support and help each other.
 - Example - *Nature is always **allied** with the inland man, supporting him and saving him from enemies.*
- Marked option Enemy means a person who hates and tries to harm one.
 - Example - *They used to be friends but became bitter **enemies**.*
- It is clear that 'Ally' and 'Enemy' are opposite in meaning.

Therefore the correct answer is option 2.

★ Additional Information

- Friend means a person who you know well and who you like a lot but who is usually not a member of your family.
- Partner means one of two people who do something together or are closely involved in some way.
- Associate means a person that you meet and get to know through your work.

90. Answer: d

Explanation:

The correct answer is: Shell

★ Key Points

- Crust means a hard layer on the outside of something.

- Example – *As the water evaporates, a **crust** of salt is left on the surface of the soil.*
- Marked option Shell means the walls or hard outer structure of something.
 - Example – *The body **shell** of the car is made in another factory.*
- It is clear that 'Crust' and 'Shell' are similar in meaning.

Therefore the correct answer is option 4.

★ Additional Information

- Root means the part of a plant that grows under the ground and takes in water and food from the soil.
- Core means the central or most important part of something.
- Kernel means the inner part of a nut or seed.

91. Answer: a

Explanation:

The erroneous spelling is: Writting.

★ Key Points

- The correct spelling should be 'Writing'.
- Writing means a person's style of forming letters and words with a pen or pencil or something written.

Therefore, the correct answer is option 1 which is incorrectly spelt.

★ Additional Information

- Regulate means to control a machine, piece of equipment, etc.
- Occur means to happen, especially in a way that has not been planned.
- Develop means to grow or change into a more advanced, larger, or stronger form, or to make something do this.

92. Answer: a

Explanation:

The correct answer is: Burrow

★ Key Points

- Burrow means a hole in the ground made by certain animals, for example, rabbits, in which they live.
 - Example - *Rats had **burrowed** into the bank of the river.*
- So, it is clear that the 'Burrow' can be used as a one-word substitute for 'A hole or tunnel dug by a small animal to live in'

Therefore, the correct answer is option 1.

★ Additional Information

- Den means the place where certain wild animals live, for example, lions.
- Shed means a small building that is used for keeping things or animals in.
- Cave means a large hole in the side of a cliff or hill, or under the ground.

93. Answer: b

Explanation:

The erroneous part of the sentence is: **keep talking on**

★ Key Points

- Remove the preposition " **on** " to correct the sentence.
- ' **On** ' is used as a preposition in time expressions with specific days of the week.
- All the time is already mentioned in the sentence which means constantly or very frequently.

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- "talking on something" and "talking about something" is similar in nature and out of these two the latter is formal.
- So, using " **taking on about** " does not make any sense.
- Using two prepositions "on and about" together is informal. So, we must omit "on"

Therefore, the correct answer is **option 2**, which contains an error.

Corrected sentence: *Why do they keep talking about money all the time?*

94. Answer: a

Explanation:

The correct answer is: **Verge**

★ Key Points

- Let's look at the meaning of the given words.
 - **Verge** means the limit beyond which something happens or changes.
 - **Peak** means the point at which something is the highest, best, strongest, etc.
 - **Line** means a row of points that continues in both directions and is usually represented by a long thin mark.
 - **Margin** means the amount or degree of difference between a higher amount and a lower amount.
- " **Verge of extinction** " is a phrase that means very few are left of that species. The organisms of that species are already endangered and are soon going to be extinct.
- So, as per the meaning of the given words, " **verge** " should be used in the given sentence.

Therefore, the correct answer is **option 1**.

Complete sentence: *Giant pandas are black-and-white Chinese bears that are on the verge of extinction.*

95. Answer: d

Explanation:

The correct answer is: violating

★ Key Points

- Let's look at the meaning of the given words.
 - Refuse means to say or show that you do not want to do, give, or accept something.
 - Omit means to not include something; to leave something out.
 - Obey means to act according to what you have been asked or ordered to do by someone in authority.
 - Violate means to break a rule, an agreement, etc.
- The implied meaning of the sentence is: He received a fine for breaking the law.
- So, as per the meaning of the given words, " violating " should be used in the given sentence.

Therefore, the correct answer is option 4 .

Complete sentence: *He was fined for violating traffic rules.*

96. Answer: b

Explanation:

The correct answer is: **never**

★ Key Points

- Let's look at the given options:
 - **Would** is a modal verb used when discussing the result of an event you imagine.

- **Never** means not at all; absolutely not.
- **Often** (adverb) means in many cases; commonly.
- **Should**, a modal verb is used for saying that it is correct or appropriate for somebody to do something or for something to happen.
- The implied meaning of the sentence is: *Never discard anything because you don't know when you might need it.*
- Therefore, " **never** " should be the most appropriate option to fill in the blank.

So, the correct answer is **option 2** .

Complete passage: Joseph was always prepared. His motto was, 'Never throw anything out, you **(1) never** know when it might come in (2) _____.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.

97. Answer: b

Explanation:

The correct answer is: handy

★ Key Points

- Let's look at the given options:
 - Nearby means it is only a short distance away.
 - Handy means skillful with the hands or with using tools, esp. in making or repairing things.
 - Close means near in space or time; in proximity.
 - Ready means prepared and suitable for action or use.
- The passage starts with the sentence "Joseph was always prepared", and the meaning of handy is related to preparation.
- So, as per the meaning of the given words, " handy " should be the most appropriate option to fill in the blank.

So, the correct answer is option 2 .

Complete passage: *Joseph was always prepared. His motto was, 'Never throw anything out, you (1) never know when it might come in (2) handy.' His bedroom was totally (3) _____ with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.*

98. Answer: b

Explanation:

The correct answer is: **cluttered**

★ Key Points

- Let's look at the given options:
 - Confused means unable to think clearly or to understand something.
 - Cluttered means untidy, not organized, and covered with a lot of things.
 - Splashed means to strike and dash about a liquid or semiliquid substance.
 - **Dislocated** means an organ or part displaced from its normal position.
- The implied meaning of the sentence is: *He had flat bicycle tires all around his bedroom.*
- So, as per the meaning of the given words, "**cluttered**" should be the most appropriate option to fill in the blank.

So, the correct answer is option 2 .

Complete passage: *Joseph was always prepared. His motto was, 'Never throw anything out, you (1) never know when it might come in (2) handy.' His bedroom was totally (3) **cluttered** with flat bicycle tires, empty boxes, (4) _____ basketballs and bent tennis racquets (5) _____ leaving any space to get in the door.*

99. Answer: c

Explanation:

The correct answer is: **deflated**

★ Key Points

- Let's look at the given options:
 - **Wearied** means to start to feel that something or someone is boring.
 - **Reduced** means to make something less in size, amount, degree, importance, or price.
 - **Deflated** means to become or to make something smaller by letting the air or gas out of it.
 - **Drained** means to become empty or dry as liquid flows away and disappears.
- So, as per the meaning of the given words, " deflated " should be the most appropriate option to fill in the blank.
- "Deflated basketball" means taking the air out of the ball to make it softer.

So, the correct answer is option 3 .

Complete passage: *Joseph was always prepared. His motto was, 'Never throw anything out, you (1) never know when it might come in (2) handy.' His bedroom was totally (3) cluttered with flat bicycle tires, empty boxes, (4) **deflated** basketballs, and bent tennis racquets (5) _____ leaving any space to get in the door.*

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100. Answer: b

Explanation:

The correct answer is: barely

★ Key Points

- Let's look at the given options:
 - Slightly means to some degree but not to a very large degree.
 - Barely means in a way that is just possible but only with difficulty.
 - Merely is used to emphasize that something is not large, important, or effective when compared to something else.

- Simply is used to emphasize how easy or basic something is.
- The implied meaning of the sentence is: Hardly allowing enough room for entry.
- So, as per the meaning of the given words, "barely" should be the most appropriate option to fill in the blank.

So, the correct answer is option 2 .

Complete passage: *Joseph was always prepared. His motto was, 'Never throw anything out, you (1) never know when it might come in (2) handy.' His bedroom was totally (3) cluttered with flat bicycle tires, empty boxes, (4) deflated basketballs, and bent tennis racquets (5) barely leaving any space to get in the door.*



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