Prepp

Your Personal Exams Guide

NDA	CDS	SSC CGL	CBSE UGC NET
IAS	SSC CHSL	CTET	MPSC
AFCAT	CSIR UDC NET	IBPS PO	UP POLICE
SSC MTS	SBI PO	BPSC	UPTET
IBPS RRB	IBPS CLERK	IES	UPSC CAPF
SSC Stenogr..	RRB NTPC	SSC GD	RBI GRADE B
RBI Assistant	DSSSB		

SSC GD Constable 2021 (English) Prev. Year Paper (06-Dec-2021) (Shift 2)

Total Time: 1 Hour : 30 Minute   **Total Marks:** 100

Instructions

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

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

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

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

General Intelligence and Reasoning

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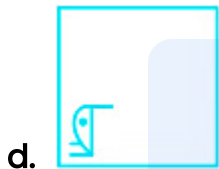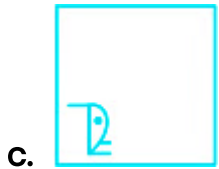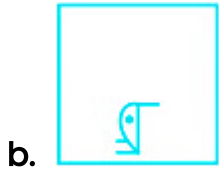
   (+1, -0.25)

   11, 19, 59, 115, 347, ?

   a. 697

   b. 619

   c. 679

   d. 691

2. In a certain code language, 'ROSE IS RED' is written as 'tic ric sic', 'SKY IS BLUE' is written as 'vic ric fic', and 'DANGER SIGNALS ARE RED' is written as 'mic nic tic kic'. How will 'ROSE' be written in that language?

   (+1, -0.25)

   a. sic

   b. tic

   c. fic

   d. ric

3. Select the figure from among the given options that can replace the question mark (?) in the following series.

   (+1, -0.25)

a.

b.

c.

d.

4. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.   (+1, -0.25)
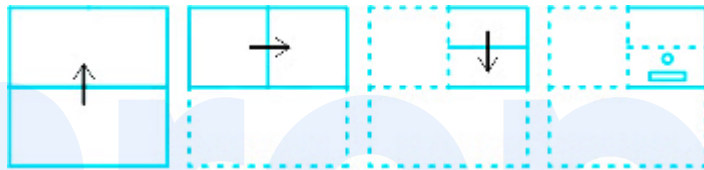
   ATRG : BWSJ :: MQSJ : ?

   a. PTVN

   b. NRTN

   c. NTTM

   d. OSWL

5. The age of Anuj's grandfather is 4 times the age of Anuj. Anuj's grandmother is 5 years younger than his grandfather. The total of age of Anuj's grandmother and grandfather is 107 years. What is the age of Anuj?   (+1, -0.25)

a. 12 years

b. 14 years

c. 18 years

d. 16 years

---

6. The sequence of folding a piece 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.

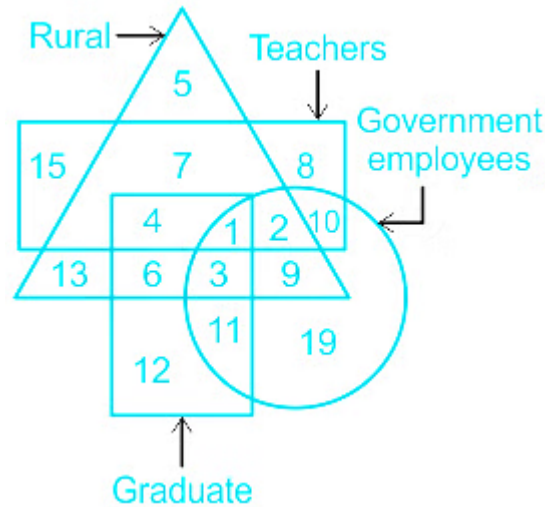7. Which two signs need to be interchanged to make the following equation correct? (+1, −0.25)

63 ÷ 21 − 7 + 28 × 3 = 144

a. + and ÷

b. × and +

c. ÷ and −

d. + and −

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

1. Modification

2. Migraine

3. Midstream

4. Modernize

5. Marvellous

a. 5, 2, 1, 4, 3

b. 5, 3, 2, 4, 1

c. 5, 2, 3, 4, 1

d. 5, 3, 1, 4, 2

9. Study the given diagram carefully and answer the question that follows. (+1, −0.25)

What is the number of rural government teachers who are NOT graduate?

a. 2

b. 3

c. 9

d. 1

---

10. There are seven members, S, T, U, V, W, X and Y, in a family. Five members are in different professions, namely Teacher, Doctor, Nurse, Engineer and Scientist. There are two married couples in the family. S is a Doctor who is married to Y who is a Teacher. W is a Scientist, who is the father-in-law of Y. V and U are the children of S and studying in class 6th and 8th, respectively. X is the mother of T. S is the brother of T, and T is an Engineer. Who is the wife of W? (+1, -0.25)

a. S

b. X

c. Y

d. T

11. In a certain code language, FAX is written as EGZBWY. How will SKIN be written in that language?   (+1, -0.25)

    a. RTJLHLMP

    b. RTJMHJMO

    c. RTJLHJLO

    d. RTJLHJMO

12. Six friends, Ajay, Neetu, Seema, Kavita, Manoj and Vijay, are sitting around a circular table, with their backs towards the centre of the table. Manoj is sitting between Seema and Neetu. Ajay is sitting to the immediate left of Seema. Kavita is not the neighbour of Neetu. Who is sitting third to the right of Seema?   (+1, -0.25)

    a. Vijay

    b. Neetu

    c. Ajay

    d. Kavita

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

a.

b.

c.

d.

---

14. In a certain code language, 'BATTLE' is coded as '4240402410'. How will 'KINGDOM' be coded in that language?   (+1, −0.25)

  a. 2218291483026

  b. 2219281583026

  c. 2218281483026

  d. 2219281483026

---

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

FDG, IIL, LNQ, ?

a. OSV

b. RVT

c. SWZ

d. OST

---

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

1, 9, 36, 100, ?

a. 225

b. 144

c. 169

d. 196

---

17. 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:

No creative is an employer.

All experts are creative.

All workers are experts.

Conclusions:

I. No employer is an expert.

II. No worker is an employer.

a. Only conclusion II follows

b. Neither conclusion I nor II follows

c. Only conclusion I follows

d. Both conclusions I and II follow

---

18. 'Kabul' is related to 'Afghanistan' in the same way as 'Canberra' is related to '_____'. (+1, -0.25)

a. Argentina

b. Australia

c. Belgium

d. Austria

---

19. There different positions of the same dice are shown, the six faces of which are numbered 1 to 6. Select the number that will be on the face opposite to the one having '3'. (+1, -0.25)

a. 2

b. 1

c. 5

d. 6

---

20. Select the option in which the numbers are related in the same way as   **(+1, -0.25)**
are the numbers in the given set.

44, 70, 57

   a. 32, 50, 46

   b. 46, 80, 70

   c. 34, 68, 51

   d. 28, 56, 112

---

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

a.

b.

c.

d.

---

22. Seven friends are sitting around a circular table facing the centre. Raj is second to the left of Sachin. Dinu is between Krip and Veer. Dinu is second to the right of Sachin. Raj is fourth to the right of Veer. Rocky is second to the right of Sam. Who is second to the left of Veer? **(+1, -0.25)**

   a. Raj

   b. Sam

   c. Rocky

   d. Dinu

---

23. 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. LQS

   b. RWY

   c. RXZ

   d. FKM

---

24. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. **(+1, -0.25)**

48 : 32 :: 73 : ? :: 25 : 10

a. 21

b. 7

c. 13

d. 11

---

25. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

(+1, -0.25)

K_TQ_KPT_R_PTQ_KP_QR

a. P, K, Q, R, T, R

b. P, R, T, P, K, Q

c. P, K, R, Q, R, T

d. P, R, Q, K, R, T

General Knowledge and General Awareness

26. Which of the following organisations announced 16 August 1946 as Direct Action Day?   (+1, −0.25)

    a. Swaraj Party

    b. Oudh Kisan Sabha

    c. Indian National Congress

    d. Muslim League

27. The Indian Navy and Russian Navy commenced the 11 th edition of bilateral maritime exercise called _____ 2020.   (+1, −0.25)

    a. India Navy

    b. Merchant Navy

    c. Indra Navy

    d. Coastal Navy

28. _____ won the Oeil d'or (The Golden Eye) award for best documentary at the 74 th Cannes Film Festival.   (+1, −0.25)

    a. Casablanca Beats

    b. The Red Velvet Underground

    c. Titane

    d. A Night of Knowing Nothing

29. In which state is the Champaner-Pavagadh Archaeological Park located?   **(+1, -0.25)**

   a. Rajasthan

   b. Gujarat

   c. Uttar Pradesh

   d. Madhya Pradesh

30. In which year did the Government of India launch the 'Central Rural Sanitation Programme' ('CRSP')?   **(+1, -0.25)**

   a. 1990

   b. 1978

   c. 1986

   d. 1982

31. A compilation of norms and guidelines to be followed by political parties and contesting candidates at the time of election is called _____.   **(+1, -0.25)**

   a. code of conduct

   b. clause

   c. legislature

   d. draft

32. The Battle of Chandawar was fought between Mohammad Ghori and Jaichand of Kannauj of the _____ dynasty.   (+1, −0.25)

 a. Gahadavala

 b. Bactrian

 c. Gupta

 d. Chauhan

---

33. In how many countries was the international version of the UMANG mobile app launched by Ravi Shankar Prasad in coordination with Ministry of External Affairs in November 2020?   (+1, −0.25)

 a. 2

 b. 5

 c. 6

 d. 9

---

34. The first Indian commercial bank which was wholly owned and managed by Indians was established in _____.   (+1, −0.25)

 a. 1919

 b. 1911

 c. 1950

 d. 1948

---

35. Who is the author of the book 'Changing India'?　　　　(+1, -0.25)

    a. Manmohan Singh

    b. Abhishek Manu Singhvi

    c. Shashi Tharoor

    d. Satyarth Nayak

---

36. Who among the following cricketers announced his retirement from all formats of the game in November 2020?　　　　(+1, -0.25)

    a. MS Dhoni

    b. Shikhar Dhawan

    c. Ishant Sharma

    d. Sudeep Tyagi

---

37. Which of the following states' population density was more than 800 as per Census 2011?　　　　(+1, -0.25)

    a. Maharashtra

    b. Kerala

    c. Karnataka

    d. Haryana

---

38. _ _ _ _ _ _ are the producers and consumers of the earth's resources.　　　　(+1, -0.25)

a. Planet

b. Reptiles

c. Plants

d. Human beings

---

39. The Arab invasion of India 712 AD was led by _____.   **(+1, -0.25)**

a. Muhammad Shaybani Khan

b. Muḥammad Bakhtiyar Khalji

c. Nasir-ud-Din Muḥammad Shah

d. Muhammad Bin Qasim

---

40. Which of the following banks was placed under moratorium for a period   **(+1, -0.25)**
of one month by the Reserve Bank of India in November 2020?

a. Lakshmi Vilas Bank Ltd

b. Kokan Mercantile Co-operative Bank Ltd

c. North Kanara Gaud Saraswat Co-operative Bank Ltd

d. Shramik Sahakari Bank Ltd

---

41. In the context of electoral reforms in India, what does 'T' stand for in   **(+1, -0.25)**
VVPAT?

a. Text

b. Trail

c. Trust

d. Trait

---

42. 'Prayag Prashasti' was composed in _____. (+1, -0.25)

    a. Prakrit

    b. Pali

    c. Hindi

    d. Sanskrit

---

43. In which of the following states are the mountain peaks Delwara and (+1, -0.25)
    Jarga located?

    a. Rajasthan

    b. Haryana

    c. Madhya Pradesh

    d. Gujarat

---

44. What is the present minimum yearly deposit required under the popular (+1, -0.25)
    girl child savings scheme 'Sukanya Samriddhi Yojana'?

    a. Rs. 500

    b. Rs. 2,000

c. Rs. 1,000

d. Rs. 250

---

45. In November 2020, Indian Navy's fifth Scorpene class submarine _____ was launched at Mumbai's Mazagon Dock.

    (+1, -0.25)

    a. Vagir

    b. Khanderi

    c. Vagsheer

    d. Vela

---

46. In a chemical reaction, _____ reacts vigorously with water to produce calcium hydroxide releasing a large amount of heat.

    (+1, -0.25)

    a. calcium sulphate

    b. calcium oxide

    c. calcium chloride

    d. calcium peroxide

---

47. The United Nations (UN) observes _____ as the International Day of Clean Air for blue skies.

    (+1, -0.25)

    a. 30 June

    b. 15 March

    c. 7 September

d. 23 December

---

48. Goddess Amba is the presiding deity of _____ dance/drama performances.　　　　　　　　　　　　　　　　　　　　(+1, -0.25)

　　a. Harikatha

　　b. Theyyam

　　c. Maach

　　d. Bhavai

---

49. Which of the following games is related to the 'CONCACAF Gold Cup'?　　(+1, -0.25)

　　a. Volleyball

　　b. Football

　　c. Baseball

　　d. Basketbal

---

50. Michael Phelps is associated with which sport?　　　　　　　　　(+1, -0.25)

　　a. Lawn Tennis

　　b. Badminton

　　c. GymnasticsGymnastics

　　d. Swimming

---

51. A takes 10 days more than B to finish a task. They both do the work together for 5 days and finish $\frac{8}{15}$ part of the work. How long will B alone take to complete the whole work? **(+1, −0.25)**

    a. 15 days

    b. 16 days

    c. 14 days

    d. 12 days

---

52. The value of $4 \times 6 \div 4$ of $6 - 6 \div 2 \times (4 - 6) + 4 + 2 \times 3 \div 6$ of $\frac{1}{3}$ is: **(+1, −0.25)**

    a. 14

    b. 9

    c. 11

    d. 7

---

53. A sum of money kept at simple interest amounts to Rs. 820 in 3 years and to Rs. 894 in 4 years. What will be the interest accumulated after 9 years? **(+1, −0.25)**

    a. Rs. 676

    b. Rs. 666

    c. Rs. 766

    d. Rs. 686

54. A shopkeeper by selling 30 articles, earns a profit equal to the selling price of 8 articles. His profit percentage is:

    (+1, −0.25)

a. $21\frac{4}{11}$

b. $45\frac{4}{11}$

c. $36\frac{4}{11}$

d. $16\frac{4}{11}$

55. A train covers a distance of 14 km in 10 min. If its speed is decreased by 4 km/h, then how much time will be taken by it to cover the same distance?

    (+1, −0.25)

a. $10\frac{1}{2}$ min

b. 10 min

c. 11 min

d. $12\frac{2}{3}$ min

56. The ratio of acid and water in solution A is 1 : 5 and that in solution B is 2 : 7. If equal quantities of both the solutions are mixed, then what will be the ratio of acid and water in the new solution?

    (+1, −0.25)

a. 1 : 4

b. 3 : 10

c. 7 : 29

d. 21 : 29

57. In a certain store, the profit is 120% of the cost. If the cost increases by 20% but the selling price remains the same, approximately what percentage of the selling price will the profit?   (+1, −0.25)

    a. 45.45%

    b. 64.54%

    c. 54%

    d. 50.4%

58. Ravina saves $16\frac{2}{3}$ % of her monthly income. When her monthly expenses increase by 10% (income remains the same), she is able to save Rs. 1,275 a month. Her monthly income (in Rs.) is: (+1, −0.25)

    a. 15,500

    b. 16,400

    c. 16,800

    d. 15,300

59. The HCF of 767, 1003 and 2773 is x. The value of x lies between: (+1, −0.25)

    a. 60 and 65

    b. 55 and 60

    c. 45 and 50

    d. 50 and 55

60. Find the sum of the LCM and HCF of the numbers 15, 20, 25 and 30.   **(+1, −0.25)**

    a. 125

    b. 1500

    c. 305

    d. 50

---

61. If $x^2 : y^2 = 4 : 9$ and $2 : x = 1 : 2$, then Find the value of y.   **(+1, −0.25)**

    a. 3

    b. 18

    c. 9

    d. 6

---

62. If $(2x + 3y) : (3y − 2x) = 3 : 1$, then $(3x + 4y) : (3x − y)$ is equal to: **(+1, −0.25)**

    a. 7 : 2

    b. 4 : 1

    c. 5 : 1

    d. 5 : 2

---

63. If a shopkeeper gives 30% discount and then 10% discount on a pen which   **(+1, −0.25)**
has the marked price of Rs. 500, what will be the selling price of the pen?

a. Rs. 215

b. Rs. 305

c. Rs. 310

d. Rs. 315

---

64. A train covers a distance of 56 km in 40 minutes. If its speed is decreased by 9 km/h, then the time taken by it to cover the distance of 225 km will be: (+1, −0.25)

a. 3 hours

b. 4 hours

c. 5 hours

d. 6 hours

---

65. The cost price of one toy is Rs. 375. A shopkeeper sells 12 toys at a profit of 20% and 8 toys at a loss of 10%. Had he sold all the 20 toys at 9% profit, then his increased in profit would have: (+1, −0.25)

a. decreased by Rs. 55

b. decreased by Rs. 65

c. increased by Rs. 75

d. increased by Rs. 50

---

66. Geeta deposited Rs. 64000 in a bank at 5% p.a. compound interest compounded annually. Find the interest earned after 1 year 6 months. (+1, −0.25)

a. Rs. 4900

b. Rs. 4850

c. Rs. 4800

d. Rs. 4880

---

67. What is the compound interest (in Rs.) on a sum of Rs. 1,25,000 at 15% per annum for 2 years if the interest is compounded 8-monthly? **(+1, −0.25)**

a. Rs. 43,475

b. Rs. 43,175

c. Rs. 41,375

d. Rs. 41,475

---

68. A can complete 60% of a work in 6 days and B can complete the same work in 15 days. They work together for 3 days. The remaining work is completed by C alone in 12 days. In how many days will C alone complete $\frac{1}{8}$ part of the same work? **(+1, −0.25)**

a. 3

b. 6

c. 12

d. 8

---

69. If the average of the squares of two consecutive odd natural numbers is 145, then the average of the two numbers is: **(+1, −0.25)**

a. 10

b. 16

c. 12

d. 14

---

70. The sides of a triangular park are 60 m, 297 m and 303 m. Its area is equal to the area of a square-shaped garden. What is the perimeter (in m) of the garden?   (+1, −0.25)

a. $36\sqrt{110}$

b. $18\sqrt{110}$

c. $18\sqrt{330}$

d. $9\sqrt{330}$

---

71. An article is marked at Rs. 750. If it is sold at a discount of 16%, then the selling price becomes $\frac{3}{2}$ times of its cost price. The cost price of the article is: (+1, −0.25)

a. Rs. 420

b. Rs. 440

c. Rs. 320

d. Rs. 450

---

72. Find the value of 5 × 3 ÷ 3 of 6 − 8 ÷ 2 × (3 − 5) + 3 − 2 × 4 ÷ 6 of $\frac{1}{2}$.   (+1, −0.25)

a. $\frac{55}{6}$

b. $\frac{65}{6}$

c. $\frac{35}{6}$

d. $\frac{85}{6}$

---

73. The difference between the two positive numbers x and y where x > y, is 25% of x. If the value of y is 15, then the value of x is:

(+1, -0.25)

a. 20

b. 18

c. 15

d. 25

---

74. The adjacent sides of a parallelogram are 10 cm and 15 cm. If the distance between the shorter sides is 6 cm, then what is the distance between its longer sides?

(+1, -0.25)

a. 9 cm

b. 4 cm

c. 25 cm

d. 18 cm

---

75. What is the average of smallest 5 prime numbers?

(+1, -0.25)

a. 7

b. 3.6

c. 5.6

d. 7.8

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

In <u>few </u>words, he expressed his gratitude to me.

a. the few

b. little

c. a few

d. No substitution required

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

The use of the animal power / is now considered / by many people / to be archaic and inefficient.

a. is now considered

b. by many people

c. The use of the animal power

d. to be archaic and inefficient

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

India's secularism and <u>frequency </u>serve as a role model to other developing countries.

a. constantly

b. democracy

c. illiteracy

d. supremacy

---

79. Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error.   (+1, -0.25)

Jim Corbett's books bringing to light the beauty of life amidst nature.

a. beauty of life

b. Jim Corbett's books

c. bringing to light

d. amidst nature

---

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

You must take your medicine _____.

a. constantly

b. regularly

c. usually

d. commonly

---

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

Regret

a. Impatience

b. Contentment

c. Dissatisfaction

d. Irritation

---

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

Rima declared that she doesn't have much _ _ _ _ _ _, just two bags.

a. burden

b. luggage

c. information

d. furniture

---

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

Not easily excited or upset

a. Serious

b. Indecent

c. Peaceful

d. Placid

---

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

    Which route / on the highway / have been blocked / by the police?

    a. on the highway

    b. Which route

    c. by the police

    d. have been blocked

---

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

    A dog's life

    a. A sheltered life

    b. A miserable life

    c. A meaningful life

    d. A luxurious life

---

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

    Emerge

    a. Progress

    b. Disappear

    c. Terminate

    d. Evolve

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

    a. Mediocher

    b. Procure

    c. Mediocre

    d. Massacre

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

Hamper

    a. Hinder

    b. Loosen

    c. Permit

    d. Explain

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

Bonanza

    a. Bane

    b. Bonus

    c. Brink

    d. Bump

90. 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 <u>news are true</u> .

a. No substitution required

b. news has true

c. news are being true

d. news is true

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

A deep-seated feeling of aversion

a. Empathy

b. Sympathy

c. Allopathy

d. Antipathy

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

Animals living in the sea only

a. Ovine

b. Cannibal

c. Marine

d. Rodent

---

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

He _ _ _ _ _ _ to find a second-hand book in a shop.

a. trained

b. achieved

c. managed

d. handled

---

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

To catch someone's fancy

a. To catch an infection

b. To dress up fashionably

c. To appeal to someone

d. To imagine things

---

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

a. Futile

b. Furnace

c. Future

d. Furtile

---

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)

Mother Teresa was a humanitarian because she (1)_____ her entire life to the service of the sick and the (2)_____. She joined the sisters of Loreto at the age of 18 to (3)_____ a missionary in India. She started her missionary work in Darjeeling and (4)_____ the local language, Bengali. She soon took her vows (5)_____ a nun and also took the name, Teresa.

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

a. deputed

b. destined

c. depleted

d. devoted

---

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)

Mother Teresa was a humanitarian because she (1)_____ her entire life to the service of the sick and the (2)_____. She joined the sisters of Loreto at the age of 18 to (3)_____ a missionary in India. She started her missionary work in Darjeeling and (4)_____ the local language, Bengali. She soon took her vows (5)_____ a nun and also took the name, Teresa.

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

a. separated

b. vacated

c. dropped

d. abandoned

---

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)

Mother Teresa was a humanitarian because she (1)_____ her entire life to the service of the sick and the (2)_____. She joined the sisters of Loreto at the age of 18 to (3)_____ a missionary in India. She started her missionary work in Darjeeling and (4)_____ the local language, Bengali. She soon took her vows (5)_____ a nun and also took the name, Teresa.

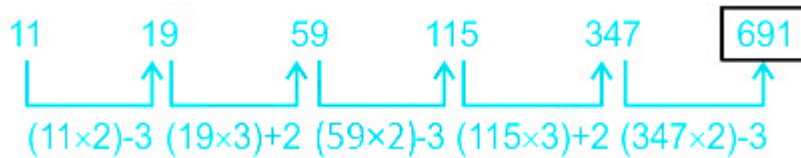**Select the most appropriate option to fill in blank no.3.**

a. becoming

b. became

c. becomes

d. become

---

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)

Mother Teresa was a humanitarian because she (1)_____ her entire life to the service of the sick and the (2)_____. She joined the sisters of Loreto at the age of 18 to (3)_____ a missionary in India. She started

her missionary work in Darjeeling and (4)_____ the local language, Bengali. She soon took her vows (5)_____ a nun and also took the name, Teresa.

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

a. read

b. wrote

c. recited

d. learnt

---

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)

Mother Teresa was a humanitarian because she (1)_____ her entire life to the service of the sick and the (2)_____. She joined the sisters of Loreto at the age of 18 to (3)_____ a missionary in India. She started her missionary work in Darjeeling and (4)_____ the local language, Bengali. She soon took her vows (5)_____ a nun and also took the name, Teresa.

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

a. as

b. while

c. of

d. when

Answers

1. Answer: d

Explanation:

The logic followed here is :-

11   19   59   115   347   691

$(11 \times 2) - 3$ $(19 \times 3) + 2$ $(59 \times 2) - 3$ $(115 \times 3) + 2$ $(347 \times 2) - 3$

Hence, the correct answer is **"691"**.

2. Answer: a

Explanation:

The logic followed here is :-

Rose — Is — Red → tic — ric — sic

Sky — Is — Blue → vic — ric — fic

Danger Signals Are — Red → mic nic — tic — kic

∴ Here, 'ROSE' is written as 'sic'.

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

3. Answer: d

Explanation:

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

- The symbol moves two steps anti-clockwise and becomes water image from figure 1 to figure 2.
- The symbol moves three steps anti-clockwise and becomes mirror image from figure 2 to figure 3.
- This process repeats.

Hence, the correct answer is **"Option 4"**.

---

4. **Answer: c**

Explanation:

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

The logic followed here is :-

ATRG : BWSJ

Similarly,

MQSJ : ?

M Q S J
+1 +3 +1 +3
↓   ↓   ↓   ↓
N T T M

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

---

5. Answer: b

Explanation:

Given,

The age of Anuj's grandfather is 4 times the age of Anuj.

Let us consider age of Anuj = X

Age of Anuj's grandfather is 4 times the age of Anuj.

Age of Anuj's grand father = 4X

Anuj's grandmother is 5 years younger than his grandfather.

Age of Anju's grand mother = 4X - 5

The total of age of Anuj's grandmother and grandfather is 107 years.

$\Rightarrow$ (4X - 5) + 4X = 107

$\Rightarrow$ 8X - 5 = 107

$\Rightarrow$ 8X = 112

$\Rightarrow$ X = 14

$\therefore$ **Here, the age of Anju is X = 14 years.**

Hence, the correct answer is **"14 years"**.

6. **Answer: b**

Explanation:

After unfolding the given paper the figure formed is as shown below :

Hence, the correct answer is **"Option 2".**

7. **Answer: c**

Explanation:

The logic followed here is :-

By using BODMAS RULE :

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

Option 1) : + and ÷

Given equation : 63 ÷ 21 − 7 + 28 × 3 = 144

After interchanging the symbols in given equation the equation formed is as follows :
63 + 21 − 7 ÷ 28 × 3 = 144

⇒ 63 + 21 −**7 ÷ 28** × 3 = 144

⇒ 63 + 21 −**0.25 × 3**= 144

⇒ **63 + 21**− 0.75 = 144

⇒**84 − 0.75**= 144

⇒ 83.25 ≠ 144

LHS ≠ RHS

Option 2) : × and +

Given equation : 63 ÷ 21 − 7 + 28 × 3 = 144

After interchanging the symbols in given equation the equation formed is as follows :
63 ÷ 21 − 7 × 28 + 3 = 144

⇒ <u>63 ÷ 21</u>− 7 × 28 + 3 = 144

⇒ 3 −<u>7 × 28</u>+ 3 = 144

⇒ <u>3</u>− 196<u>+ 3</u>= 144

⇒<u>6 − 196</u> = 144

⇒ − 190 ≠ 144

LHS ≠ RHS

Option 3) : ÷ and −

Given equation : 63 ÷ 21 − 7 + 28 × 3 = 144

After interchanging the symbols in given equation the equation formed is as follows :
63 − 21 ÷ 7 + 28 × 3 = 144

⇒ 63 −<u>21 ÷ 7</u>+ 28 × 3 = 144

⇒ 63 − 3 +<u>28 × 3</u>= 144

⇒ <u>63</u>− 3<u>+ 84</u>= 144

⇒ <u>147 − 3</u> = 144

⇒ **144 = 144**

LHS = RHS

Option 4) : + and −

Given equation : 63 ÷ 21 − 7 + 28 × 3 = 144

After interchanging the symbols in given equation the equation formed is as follows :
63 ÷ 21 + 7 − 28 × 3 = 144

⇒ <u>63 ÷ 21</u>+ 7 − 28 × 3 = 144

⇒ 3 + 7 −<u>28 × 3</u>= 144

⇒ <u>3 + 7</u>− 84 = 144

⇒ <u>10 − 84</u>= 144

⇒ − 74 ≠ 144

LHS ≠ RHS

Hence, the correct answer is "÷ and −".

---

8. Answer: b

Explanation:

The arrangement of the given words in the order in which they appear in an English dictionary is as shown below :

5. M<u>a</u>rvellous

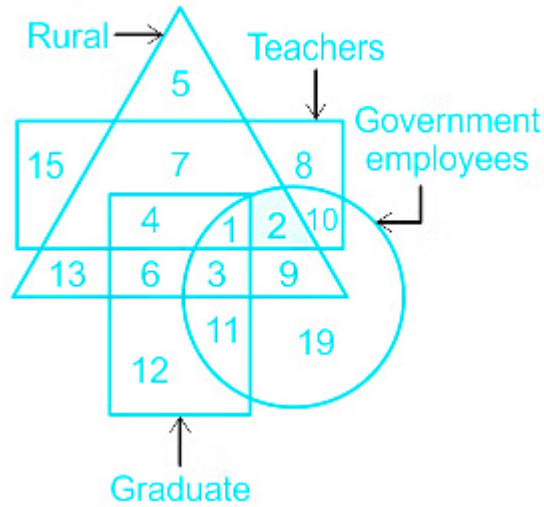3. Mi <u>d</u>stream

2. M<u>i</u>graine

4. Mod <u>e</u>rnize

1. Mod <u>i</u>fication

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

---

9. Answer: a

Explanation:

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

∴ Here, the number of rural government teachers who are NOT graduate is '2'.

Hence, the correct answer is **"2"**.

---

10. **Answer: b**

Explanation:

Family chart :-

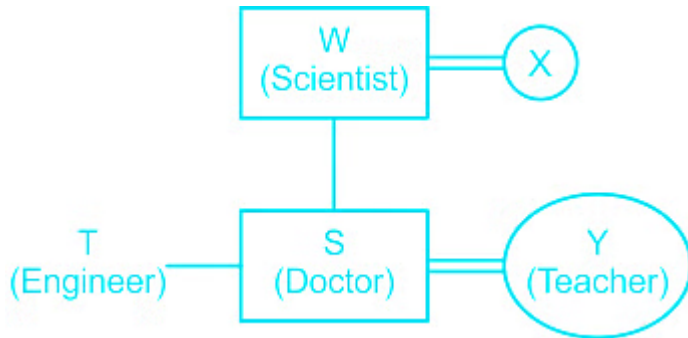| Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
│	Difference of A Generation

Family Tree :

There are seven members, S, T, U, V, W, X and Y, in a family. Five members are in different professions, namely Teacher, Doctor, Nurse, Engineer and Scientist. There are two married couples in the family.
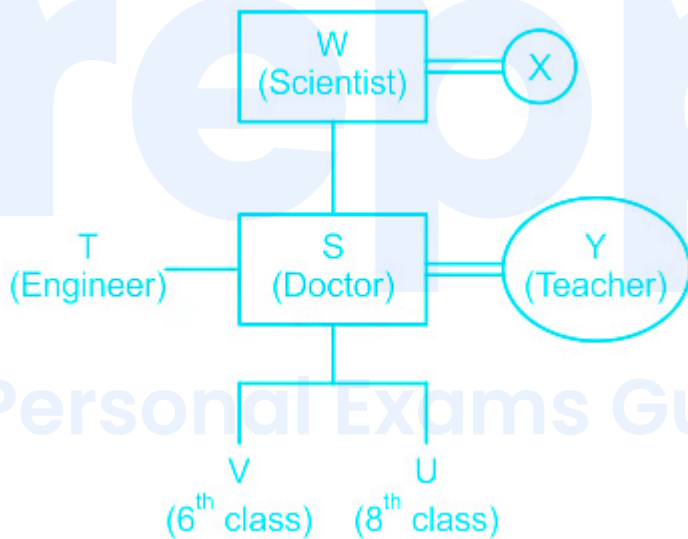
1) S is a Doctor who is married to Y who is a Teacher and S is the brother of T.

2) W is a Scientist, who is the father-in-law of Y and X is the mother of T.

3) V and U are the children of S and studying in class 6th and 8th, respectively.

∴ Here, the wife of W is 'X'.

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

11. **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 :-

The alphabet positional value of given letter in a word is added +1 and subtracted −1.

FAX is written as EGZBWY.

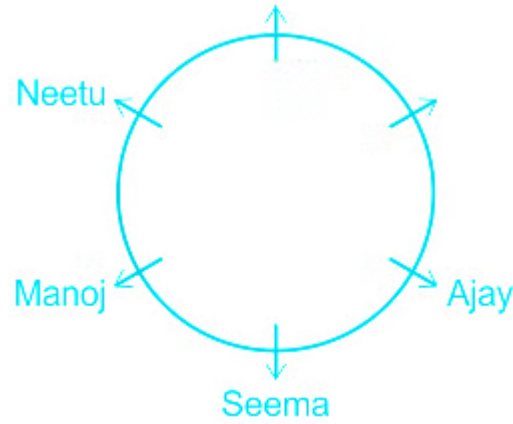
Similarly,

SKIN will be written as :

Hence, the correct answer is **"RTJLHJMO"**.
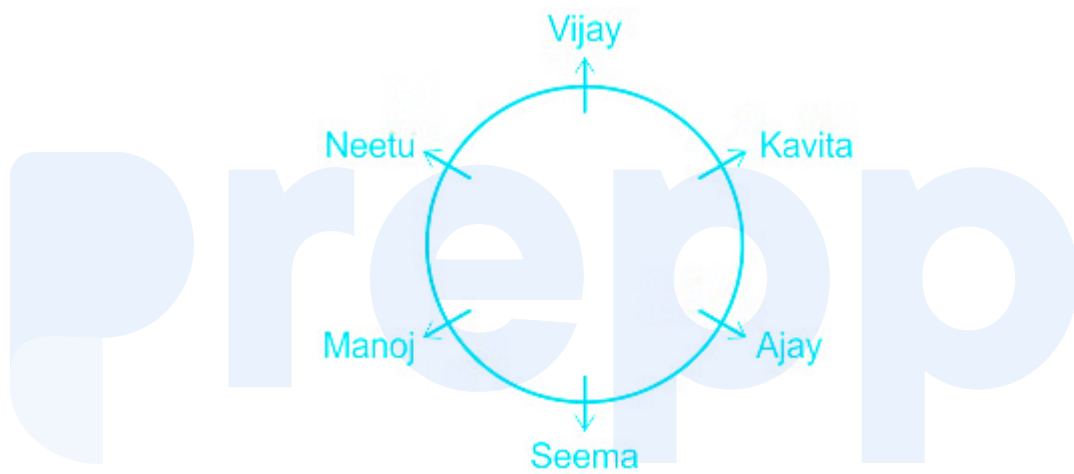
---

12. **Answer: a**

Explanation:

Six friends, Ajay, Neetu, Seema, Kavita, Manoj and Vijay, are sitting around a circular table, with their backs towards the centre of the table.

1) Ajay is sitting to the immediate left of Seema and Manoj is sitting between Seema and Neetu.

2) Kavita is not the neighbour of Neetu.
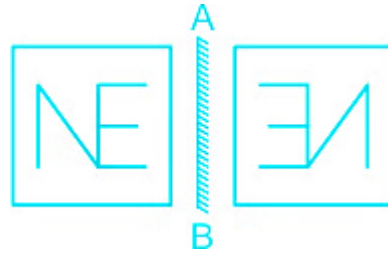

∴ Here, 'Vijay' is sitting third to right of Seema.

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

---

13. **Answer: b**

Explanation:

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

Hence, the correct answer is **"Option 2"**.

---

14. **Answer: c**

Explanation:

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

The logic followed here is :-

The alphabet positional value of letters of given word × 2.

'BATTLE' is coded as '4240402410'.

Similarly,

'KINGDOM' will be coded as :

Hence, the correct answer is **"2218281483026"**.

---

15. **Answer: a**

Explanation:

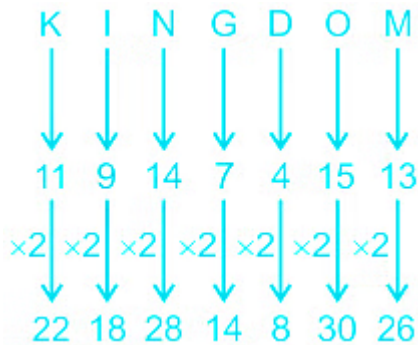| Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is :-

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

16. Answer: a

Explanation:

The logic followed here is :-

$$
\begin{array}{ccccc}
1 & 9 & 36 & 100 & 225 \\
(1)^2 & (3)^2 & (6)^2 & (10)^2 & (15)^2
\end{array}
$$

$$+2 \qquad +3 \qquad +4 \qquad +5$$

Hence, the correct answer is **"225"**.

17. Answer: d

Explanation:

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

Conclusions:

I. No employer is an expert → True (As All experts are creative and No creative is an employer so, No employer is an expert is true)

II. No worker is an employer → True (As All workers are experts and All experts are creative and No creative is an employer so, No worker is an employer is true)

∴ Here, Both the conclusions I and II are true.

Hence, the correct answer is **"Both conclusions I and II follow"**.

---

18. **Answer: b**

Explanation:

The logic followed here is :-

Kabul is capital of Afghanistan

Similarly,

Canberra is capital of Australia.

⭐ **Additional Information**

Country	Capital
Argentina	Buenos Aires
Australia	**Canberra**
Belgium	Brussels
Austria	Vienna

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

---

19. **Answer: c**

Explanation:

From the given dice 1 and dice 2.

Dice 1 is rotated 90^0 clockwise so the opposite side are obtained :

∴ Here, the opposite side of '3' is '5'.

Hence, the correct answer is **"5".**

---

20. Answer: c

Explanation:

The logic followed here is :-

44, 70, 57

Similarly,

34, 68, 51

Hence, the correct answer is **"34, 68, 51".**

---

21. Answer: c

Explanation:

The figure embedded in the given options is as shown below :

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

Hence, the correct answer is **"Option 3"**.

---

22. Answer: c

Explanation:

Seven friends are sitting around a circular table facing the centre.

1) Raj is second to the left of Sachin and Dinu is second to the right of Sachin.

2) Raj is fourth to the right of Veer and Dinu is between Krip and Veer.

3) Rocky is second to the right of Sam.

∴ Here, 'Rocky' is second to the left of Veer.

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

23. **Answer: c**

Explanation:

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

The logic followed here is :-

1) LQS

$$L \xrightarrow{+5} Q \xrightarrow{+2} S$$

2) RWY

$$R \xrightarrow{+5} W \xrightarrow{+2} Y$$

3) RXZ

$$R \xrightarrow{+6} X \xrightarrow{+2} Z$$

4) FKM

$$F \xrightarrow{+5} K \xrightarrow{+2} M$$

∴ Here, 'RXZ' is different from other three alternatives.

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

---

24. Answer: a

Explanation:

The logic followed here is :-

First digit × Second digit of the First number = Second number

- 48 : 32 → 4 × 8 = 32
- **73 : ? → 7 × 3 = 21**
- 25 : 10 → 2 × 5 = 10

Hence, the correct answer is **"21"**.

---

25. Answer: d

Explanation:

Given :- K_TQ_KPT_R_PTQ_KP_QR

By checking options and substituting accordingly.

1) P, K, Q, R, T, R → K **P** T Q **K** - K P T **Q** R - **R** P T Q **T** - K P **R** Q R

2) P, R, T, P, K, Q → K **P** T Q **R** - K P T **T** R - **P** P T Q **K** - K P **Q** Q R

3) P, K, R, Q, R, T → K **P** T Q **K** - K P T **R** R - **Q** P T Q **R** - K P **T** Q R

4) P, R, Q, K, R, T → K **P** T Q **R** - K P T **Q** R - **K** P T Q **R** - K P **T** Q R

- Here, "KPTQR" is repeated.
- Option (4) gives the pattern of :- K P T Q R - K P T Q R - K P T Q R - K P T Q R

Hence, the correct answer is **"P, R, Q, K, R, T"**.

---

26. **Answer: d**

Explanation:

The correct answer is <u>**Muslim League.**</u>

⭐ <u>**Key Points**</u>

- The Muslim League Council was declared 16th August 1946 as the 'Direct Action Day' in order to kept their demand for the separate Muslim country after the Britishers left the Indian subcontinent. Their main objective was to claim a different country with a Muslim majority population.
- This day also known as the Great Calcutta Killings, was a day of Widespread Communal Riots between the Hindus and the Muslims in the city of Calcutta in the Bengal province of British India.
- This Action Day was initiated by Mohammad Ali Jinnah. The purpose of Direct Action Day was when the Cabinet Mission plan of 1946 Failed a way between the Indian National Congress and the Muslim League for a united India as the League wanted a separate land for the Muslims population.

⭐ <u>**Additional Information**</u>

- **Swaraj Party** was formed on 1 January 1923.
  - Chittaranjan Das, Narasimha Chintaman Kelkar and Motilal Nehru formed the Congress-Khilafat Swarajaya Party with Das as the president and Nehru as one of the secretaries.
- **The Oudh Kisan Sabha** was founded in 1920 by Baba Ram Chandra.
  - He was a trade unionist who gathered Oudh's farmers and led the first anti-landlord demonstration.
  - Jawaharlal Nehru, Baba Ramchandra and others founded the Oudh Kisan Sabha, commonly known as the Oudh Kisan Sabha.
- The Indian National Congress (INC), a political party in India, was founded in 1885. INC conducted its first session in Bombay from 28 to 31 December 1885.

    ○ Dadabhai Naoroji is also known as the "Grand Old Man of India" and "official Ambassador of India".

    ○ He was a Liberal Party Member of Parliament (MP) in the United Kingdom House of Commons between 1892 and 1895 .

---

27. Answer: c

Explanation:

The correct answer is **Indra Navy.**

⭐ **Important Points**

- The Indian Navy and Russian Navy commenced the 11 th edition of bilateral maritime exercise called **India Navy 2020.**
- The 11th edition of exercise INDRA NAVY, a biennial bilateral maritime exercise between the Indian Navy and Russian Navy is scheduled in the Bay of Bengal from 04 to 05 September 2020.
- Initiated in 2003, EX INDRA NAVY epitomises the long-term strategic relationship between the Navies of India and Russia.
- The primary aim of exercise INDRA NAVY-20 is to further consolidate inter-operability built up by the two Navies over the years and also to enhance understanding and procedures for multi-faceted maritime operations.
- The Indian Navy will be represented by guided-missile destroyer Ranvijay, indigenous frigate Sahyadri and fleet tanker Shakti, along with their integral helicopters.
- The last edition of the exercise was conducted off Visakhapatnam in December 2018.

---

28. Answer: d

Explanation:

The correct answer is <u>A Night of Knowing Nothing.</u>

⭐ <u>Key Points</u>

- **A Night of Knowing Nothing** won the Oeil d'or (The Golden Eye) award for best documentary at the 74 th Cannes Film Festival.
- The Mumbai-based filmmaker and d irector Payal Kapadia 's <u>"A Night of Knowing Nothing"</u> won the Oeil d'Or (GoldenEye) award for best documentary at the 74 th Cannes Film Festival on 17 July 2021 .
- Kapadia, an alumna of the Film and Television Institute of India (FTII) , also has films such as the documentary "And What is the Summer Saying" (2018) and "Last Mango Before the Monsoon", to her credit.
- In 2016, the Indian film "The Cinema Travellers" , directed by Shirley Abraham and Amit Madheshiya, earned an Oeil d'or Special Mention.

⭐ <u>Additional Information</u>

- **Casablanca Beats** is a 2021 Moroccan drama film directed by Nabil Ayouch.
  - In June 2021, the film was selected to compete for the Palme d'Or at the 2021 Cannes Film Festival.
- **The Velvet Underground** was an American rock band formed in New York City in 1964.
- **Titane** is a 2021 body horror drama film written and directed by Julia Ducournau.

---

29. **Answer: b**

Explanation:

The correct answer is <u>Gujarat.</u>

⭐ <u>Key Points</u>

- Champaner-Pavagadh Archaeological Park is located in the Panchmahal District of Gujarat State in north-western India, features a concentration of

archaeological, historical, and living cultural heritage properties cradled in an impressive landscape.

- It includes prehistoric (chalcolithic) sites, a hill fortress of an early Hindu capital, and remains of the 16th-century capital of the state of Gujarat.
- The site also includes, among other vestiges, fortifications, palaces, religious buildings, residential precincts, agricultural structures and water installations, from the 8th to 14th centuries.
- The Kalikamata Temple on top of Pavagadh Hill is considered to be an important shrine, attracting large numbers of pilgrims throughout the year.
- The site is the only complete and unchanged Islamic pre-Mughal city.

⭐ Additional Information

- Gujarat:
  - Chief Minister - Bhupendrabhai Patel
  - Governor - Acharya Devvrat.
  - Number of Districts - 33.

---

30. **Answer: c**

Explanation:

The correct Answer is 1986.

⭐ Key Points

- The Central Rural Sanitation Programme, which was started in 1986.
- It was one of India's first efforts to provide safe sanitation in rural areas.
- This programme focussed mainly on providing subsidies to people to construct sanitation facilities.
- A study done by the government in 1996-97 showed that it was more important to r aise awareness about sanitation as a whole rather than to just provide subsidies for construction.
- This understanding marked the first shift in the programme.
- In 1999 , a restructured Total Sanitation Campaign (TSC) was initiated to create supply-led sanitation by promoting local sanitary marts and a range of

technological options.

⭐ <u>Additional Information</u>

- The rural sanitation campaign has the following as its objectives:
    - Accelerate sanitation coverage in rural areas.
    - Generate a push from the people to get facilities rather than expect the Government to do it (demand-led promotion).
    - Focus on intensive education and awareness campaigns to ensure that people understand the need for safe sanitation.
    - Take the scheme beyond rural households to rural schools and nursery schools. Here again, the emphasis was placed on promoting good hygiene practices.
    - Promote cost-effective and appropriate technologies.
    - Through all the above, i mprove the health and quality of life in rural areas.

31. **Answer: a**

Explanation:

The correct answer is <u>**code of conduct.**</u>

⭐ <u>Important Points</u>

- A compilation of norms and guidelines to be followed by political parties and contesting candidates at the time of election is called **code of conduct.**
- Code of Conduct is a set of norms and guidelines to be followed by the political parties and contesting candidates during election time.
- The Election Commission of India issues a set of guidelines for candidates and political parties to follow during elections.
- Speeches, polling booths, polling day conduct, election manifestos, processions, and general conduct are all covered under the criteria.
- It comes into effect as soon as the election schedule is announced by the Election Commission of India.

- Respective parties are required to notify the local police department in advance of scheduled meetings, providing accurate information on the location and time, in order to maintain law and order and control traffic in the area.
- During the election process, government bodies are barred from participating in any recruitment procedure.
- Kerala was the first state in India to use the model code of conduct in its elections in 1960.

32. Answer: a

Explanation:

The correct answer is <u>Gahadavala.</u>

⭐ <u>Key Points</u>

- In the battle of Chandawar (1194 CE) King Jaichand was defeated by Muhammad Gori.
- The present geographical location of Chandawar is Etawah district in U.P. at the bank of river Yamuna.
- King Jai Chand was defeated by Muhammad Ghori in the Battle of Chandawar.
- The Battle of Chandwar took place between 1193 and 1194 CE.

⭐ <u>Additional Information</u>

- The Gahadavala dynasty also Gahadavalas of Khanauj, were among the rulers of the Indian subcontinent, that ruled parts of the present-day Indian states of Uttar Pradesh and Bihar, during 11th and 12th centuries.
- Their capital was located at Varanasi in the Gangetic plains, and for a brief period, they also controlled Kanyakubja (modern Kannauj).

33. Answer: d

Explanation:

The correct answer is **9.**

⭐ **Key Points**

- In 9 countries was the international version of the UMANG mobile app launched by Ravi Shankar Prasad in coordination with Ministry of External Affairs in November 2020.
- The international version of the UMANG App is for select countries including **US, UK, Canada, Australia, UAE, Netherlands, Singapore, Australia and New Zealand.**
- On the completion of three years of the UMANG (Unified Mobile Application for New-age Governance) app, the international version of the app has been launched.

⭐ **Additional Information**

- Ministry of Electronics and Information Technology developed the UMANG mobile application in 2017.
- UMANG (Unified Mobile Application for New-age Governance) is a Government of India all-in-one single, unified, secure, multi-channel, multi-platform, multi-lingual, multi-service mobile application.
- UMANG is developed by the Ministry of Electronics and Information Technology (MeitY) and National e-Governance Division (NeGD) to drive Mobile Governance in India.
- UMANG provides a single platform for all Indian Citizens to access pan India e-Gov services ranging from Central to Local Government bodies and other citizen-centric services.
- UMAG is supported by a robust back-end platform providing access to high impact services of the various organisation including both Central And State Government.

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34. **Answer: b**

Explanation:

The correct answer is <u>1911.</u>

⭐ <u>Key Points</u>

- The first Indian commercial bank which was wholly owned and managed by Indians was established in1911.
- First Indian commercial bank which was wholly owned and managed by Indians was **Central Bank of India** which was established in 1911.

⭐ <u>Additional Information</u>

- Oudh Commercial Bank was established in the year 1881 and ceased operation in 1958.
  - It was a privately-owned bank, and its headquarters was in **Faizabad.**
- Oudh Commercial Bank only served locals and had no branches.
- Allahabad Bank was established in 1865 .
- Punjab National was established in 1894 .
- Bank Bank of India was established in 1906 .

35. **Answer: a**

Explanation:

The correct answer is <u>Manmohan Singh.</u>

⭐ <u>Key Points</u>

- The author of the book " Changing India " is the former Prime Minister Dr. Manmohan Singh .
- It is a five-volume book and published by Oxford University Press.
- The book covers the social, political and economic issues that Singh faced in his 10 years tenure as a PM.

⭐ <u>Additional Information</u>

- Some facts about Manmohan Sing:

- He is an Indian economist and politician who served as the Prime Minister of India from 2004 to 2014.
- He became the first PM after Jawahar Lal Nehru to be re-elected after completing his five years tenure . Now our present PM Narendra Modi become the third PM of India who was re-elected after completing his tenure.
- He was the 15 th Governor of the Reserve Bank of India.

36. **Answer: d**

Explanation:

The correct answer is **Sudeep Tyagi.**

⭐ **Key Points**

- **Sudeep Tyagi** announced his retirement from all formats of the game in November 2020.
- Former India pacerSudeep Tyagi announced retirement from all formats of the game.
- The 33-year-old played four ODIs -- from which he took three wickets -- and one T20 International.
- He featured in 14 Indian Premier League matches for Chennai Super Kings and Sunrisers Hyderabad.
- Tyagi played 41 first-class matches from which he picked 109 wickets and also featured in 23 List A matches.

⭐ **Additional Information**

- Indian cricketers who retired from international cricket in 2020 are as follows.
  - MS Dhoni
  - Suresh Raina
  - Parthiv Patel
  - Rajat Bhatia
  - Irfan Pathan
  - Wasim Jaffer

- Pragyan Ojha
- Sudeep Tyagi

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37. **Answer: b**

Explanation:

The correct answer is **Kerala.**

⭐ **Key Points**

Area Sq. Km	Density 2011
India (Average)	**382**
Delhi	11,320
Chandigarh	9,258
Puducherry	2,547
Daman and Diu	2,191
Lakshadweep	2,149
Bihar	1,106
West Bengal	1,028
Kerala	860
Uttar Pradesh	829
Dadra and Nagar Haveli	700
Haryana	573
Tamil Nadu	555
Punjab	551
Jharkhand	414
Assam	398
Goa	394
Maharashtra	365
Tripura	350
Karnataka	319
Andhra Pradesh	308

Area Sq. Km	Density 2011
Gujarat	308
Orissa	270
Madhya Pradesh	236
Rajasthan	200
Uttarakhand	189
Chhattisgarh	189
Meghalaya	132
Manipur	128
Himachal Pradesh	123
Nagaland	119
Sikkim	86
Jammu and Kashmir	56
Mizoram	52
Andaman and Nicobar Islands	46
Arunachal Pradesh	17

Hence **Kerala has population density more than 800.**

⭐ **Additional Information**

- As per the 2011 Census , the density of population in Delhi worked out at 11320 persons per square kilometer .
- The availability of jobs and economic activities within the region lead to an increase in population density.
- The population density of India in 2011 was 382 per sq km .
- Population density is the measure of the number of people per unit area .
  - Population density data can be used to quantify demographic information and assess relationships with ecosystems, human health, and infrastructure .

38. **Answer: d**

Explanation:

The correct answer is <u>Human beings.</u>

⭐ <u>Key Points</u>

- **Human beings** are the producers and consumers of the earth's resources.
- Human beings are the producers and consumers because they only produce food in the earth.
- And they also depend on plants and animals to eat.so humans are called the **producers and consumers.**

⭐ <u>Additional Information</u>

- Every organism depends on other organisms for food material and all organisms are (producers to consumers) arranged in series in which food energy is transferred through repeated eating and being eaten.
- The green plant in the ecosystem is called producers .
- Producers prepare food from solar energy(sun).
- All the heterotrophs of the ecosystem are known as consumers .
- Consumer , directly and indirectly, depends on the producers for food.

39. **Answer: d**

Explanation:

The correct answer is <u>Muhammad Bin Qasim.</u>

⭐ <u>Key Points</u>

- In 712 AD, Muhammad Bin Qasim conquered the Sind province.
- It was the first Arab victory in India and it led to the foundation for Arab invasion in India.

- Qasim succeeded in conquering Sind in his third attempt in which he defeated Dahir, the King of Sind.

⭐ Additional Information

- Muhammad bin Qasim was born on 31st December, 695 AD and he is also known as Laquab of Imad-ad-Din.
  - During the invasion of Mohammad Bin Qasim, many Hindus in Sindh were forcibly converted to Islam and they were reconverted to Hinduism by the authority of Devala Smriti.
  - Mohammad Bin Qasim was the first Muslim to invade India in 712 AD and was the commander of the Umayyad Caliphate.
  - He was sent as a prisoner to Mesopotamia.
  - In 711 AD he defeated Raja Dahir.

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40. **Answer: a**

Explanation:

The correct answer is **Lakshmi Vilas Bank Ltd.**

⭐ Key Points

- **Lakshmi Vilas Bank** Ltd was placed under moratorium for a period of one month by the Reserve Bank of India in November 2020.
- The RBI appointed the Committee of Directors (CoD) composed of three independent directors Meeta Makhan, Shakti Sinha, and Satish Kumar Kalra.
- The committee will be headed by Meeta Makhan.
- After shareholders ousted seven directors of the board, the Reserve Bank of India has approved the appointment of a three-member Committee of Directors (CoD) to run the daily affairs of debt-ridden Lakshmi Vilas Bank (LVB).
- This CoD will exercise the discretionary powers of MD & CEO in the ad-interim.

Important information related to Banks:(Sept 2022)

⭐ Additional Information

Banks	Headquarters	Heads	Tagline
Andhra Bank	Hyderabad	J Packirisamy (MD & CEO)	Where India Banks
Axis Bank	Mumbai	Amitabh Chaudhry (MD & CEO)	Badhti Ka Naam Zindagi
Bank of Baroda (Vijaya Bank & Dena Bank)	Vadodara	Sanjiv Chadha (MD & CEO)	India's International Bank
Bank of India	Mumbai	Atanu Kumar Das (MD & CEO)	Relationship beyond Banking
Bank of Maharashtra	Pune	A.S. Rajeev	Ek Parivaar, Ek Bank (One Family One Bank)
Bandhan Bank	Kolkata	Chandra Shekhar Ghosh (MD& CEO)	Aapka Bhala, Sabki Bhalai
Canara Bank (Syndicate Bank)	Bengaluru	L V Prabhakar (MD & CEO)	Together We Can
Central Bank of India	Mumbai	Pallav Mohapatra	Central to You Since 1911, Build a better life

Banks	Headquarters	Heads	Tagline
			around us
Corporation Bank	Mangalore	P V Bharathi	Prosperity for all
Citi Union Bank	Tamil Nadu	Dr N. Kamakodi	Trust And Excellence since 1904
Dhanlaxmi Bank	Kerala	Sunil Gurbaxani (MD & CEO)	Tann Mann Dhan
Federal Bank	Kerala	Shyam Srinivasan	Your Perfect Banking Partner
HDFC Bank	Mumbai	Aditya Puri	We understand your world
IDBI Bank	Mumbai	Rakesh Sharma	Banking for All, Aao sochein Bada
Indian Bank (Allahabad Bank)	Chennai	Padmaja Chundru	Your Own Bank, Banking That's Twice As Good
Indian Overseas Bank	Chennai	Karnam Sekar (MD & CEO)	Good People to Grow With
ICICI Bank	Mumbai	Sandeep Bakhshi	Hum hai na, Khayal Apka

Banks	Headquarters	Heads	Tagline
IDFC Bank	Mumbai	V. Vaidyananthan (MD & CEO)	Banking Hatke
IndusInd Bank	Mumbai	R. Seshasayee (Chairman) Romesh Sobti (CEO)	We Make You Feel Richer
Karnataka Bank	Mangaluru	M S Mahabaleshwara	Your Family Bank, Across India.
Karur Vysya Bank	Tamil Nadu	N. S. Srinath (MD & CEO)	Smart way to Bank
Kotak Mahindra Bank	Mumbai	Uday Kotak	Let's make money simple
Lakshmi Vilas Bank	Chennai	S Sundar	The Changing Face Of Prosperity
Punjab National Bank (Oriental Bank of Commerce & United Bank of India)	New Delhi	S. S. Mallikarjuna Rao	The Name You Can Bank Upon

Banks	Headquarters	Heads	Tagline
Punjab & Sind Bank	New Delhi	S Hari Shanker	Where Service is a Way of Life
RBL Bank (Ratnakar)	Mumbai	Vishwavir Ahuja	Apno ka Bank
State Bank of India	Mumbai	Rajnish Kumar	The Banker to Every Indian, The Nation Banks on us, A Bank of Common Man, With You all the Way, Pure Banking Nothing Else
Syndicate Bank	Manipal, Karnataka	Ajay Vipin Nanavati (Chairman) Mrutyunjay Mahapatra (MD & CEO)	Faithful and Friendly
South Indian Bank	Thrissur, Kerala	V G Mathew	Experience Next Generation Banking
UCO Bank	Kolkata	Atul Kumar Goel (MD & CEO)	Honours Your Trust

41. **Answer: b**

Explanation:

The correct answer is **Trail.**

⭐ Key Points

Banks	Headquarters	Heads	Tagline
Union Bank of India	Mumbai	Rajkiran Rai G.	Good People to Bank with
Yes Bank	Mumbai	Ravneet Singh Gill	Experience our expertise

- The full form of VVPAT is Voter Verifiable Paper Audit Trail.
  - T stands for Trail.
- In the context of Elections in India, the term VVPAT stands for Voter Verifiable Paper Audit Trail.
  - VVPAT is the system that allows voters to verify their votes.
  - The VVPAT machine prints a slip along with the name of the candidate and the corresponding election symbol and automatically drops it in a sealed box.
  - It was first introduced in India in 2013.
  - VVPAT was first used in Noksen (assembly constituency) in Nagaland.
  - It can be accessed by polling officers only.
  - During the 2019 general election, VVPAT was introduced in all 543 Lok Sabha constituencies.

⭐ Additional Information

- Some important Abbreviations

Abbreviation	Stands for
ASCII	American Standard Code for Information Interchange.
BIOS	Basic Input Output System.
COBOL	Common Business Oriented Language.
DBMS	Database Management System.
EBCDIC	Extended Binary Coded Decimal Interchange Code.
HTTP	HyperText Transfer Protocol.
IBM	International Business Machine.
JPEG	Joint Photographic Experts Group.

42. Answer: d

Explanation:

The correct answer is <u>Sanskrit.</u>

⭐ <u>Key Points</u>

- **Prayag** is an ancient name of Allahabad as it is the meeting place or **'Sangam' of rivers Ganga, Yamuna, and Sarasvati.**
- **Prashasti** means "in praise of someone".
- **Prayag Prashasti** is the name given to the **Allahabad Pillar.**
- It is an **Ashokan Stambh** and has 4 different inscriptions.

⭐ <u>Additional Information</u>

- Harisena, also **Harishena** or Hirisena, was a 4th-century Sanskrit poet,panegyrist, and government minister.
- He was an important figure in the court of the Gupta emperor, Samudragupta.
- His most famous poem, written c. 345 CE, describes the bravery of Samudragupta and is inscribed on the Prayag -Prasasti inscription (Allahabad Pillar Inscription).
- Thus, we can say that Harisena wrote Prayag Prashasti.

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43. Answer: a

Explanation:

The correct answer is <u>Rajasthan.</u>

⭐ <u>Key Points</u>

- The mountain peaks **Delwara and Jarga located at Rajasthan.**
- Delwara is located in Sirohi district .
  - Its height is 1442 metres.

- The highest peak of Udaipur-Rajsamand Aravali hills is **Jarga.**
- The Aravalli Range is also known as Jarga near Udaipur.
- **Jarga hill** is confined to Udaipur and Rajsaman d districts in southern Aravallis.
- Its height is 1431 metres.

⭐ Additional Information

- **Achalgarh** is located in Sirohi district.
  - Its height is 1380 metres.
- **Guru Shikhar** is the highest peak in Rajasthan.
  - Its height is 1722 metres.
- **Ser Peak** is located in Sirohi
  - Its height is 1597 metres.

---

44. **Answer: d**

Explanation:

The correct answer is **Rs. 250**.

⭐ **Key Points**

- **Rs. 250** is the present minimum yearly deposit required under the popular girl child savings scheme 'Sukanya Samriddhi Yojana'.
- Sukanya Samriddhi Yojana is a savings scheme launched by the government of India.
- The scheme targeted the parents of girl children in India.
- The scheme was launched in 2015.
- It was launched by prime minister Narendra Modi.
- It was launched as a part of the Beti Bachao, Beti Padhao campaign.

⭐ **Additional Information**

- The Sukanya Samriddhi Account can be opened any time after the birth of a girl child till she turns 10, with a minimum deposit of Rs. 1,000 and a maximum of Rs. 1.5 lakh can be deposited during the ongoing financial year.

- The account will remain operative for 21 years from the date of its opening or till the marriage of the girl after she turns 18.
- The account allows 50% withdrawal at the age of 18 for higher education purposes.
- The interest rate is fixed by the government and revised quarterly.
- From April 2020, this scheme offers an interest rate of 7.6% compounded annually.
- Parents can now open up to two Sukanya Samriddhi Account for girls and a third account can be opened in case of birth of twins/triplets.
- The minimum annual contribution to the Sukanya Samriddhi Account is Rs.250 and the maximum of Rs.1.50 lakh in a financial year.
- Subscribers have to invest at least the minimum amount every year for up to 15 years from the date of account opening. Thereafter the account will continue to earn interest till maturity.

45. **Answer: a**

Explanation:

The correct answer is **Vagir.**

⭐ **Key Points**

- In November 2020, **Indian Navy's fifth Scorpene class submarine Vagir** was launched at Mumbai's Mazagon Dock.
- INS Vagir (S25) is the fifth submarine of the first batch of six Kalvari-class submarines for the Indian Navy.
- The submarine was launched in Nov 2020 from the Kanhoji Angre Wet Basin of Mazagon Dock Shipbuilders Limited (MDL) .
- The submarine would be named Vagir, after commissioning.
- It is scheduled for delivery to the Indian Navy in the year 2022 after the completion of other trials.

⭐ **Additional Information**

- In 1997, the Indian Ministry of Defence approved a plan to acquire 24 submarines under Project 75.
- After the Kargil War in 1999, Cabinet Committee on Security approved a 30-year submarine building plan that called for two parallel production lines, each constructing six submarines.
- The first submarine, INS Kalvari (Malayalam: tiger shark), was launched on 28 October 2015 and commenced sea trials on 1 May 2016.

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46. Answer: b

Explanation:

The correct answer is <u>calcium oxide.</u>

⭐ <u>Key Points</u>

- In a chemical reaction, **calcium oxide** reacts vigorously with water to produce calcium hydroxide releasing a large amount of heat.
- Calcium oxide reacts vigorously with water to produce slaked lime (calcium hydroxide) releasing a large amount of heat.

$CaO\ (s) + H_2O\ (l) \rightarrow Ca(OH)_2\ (aq) + Heat$

⭐ <u>Additional Information</u>

- In the above reaction, calcium oxide and water combine to form a single product, calcium hydroxide.
- Such a reaction in which a single product is formed from two or more reactants is known as a combination reaction.
- The reaction produces a slaked lime solution, which is used to whitewash walls. Calcium hydroxide slowly reacts with carbon dioxide in the air, forming a thin layer of calcium carbonate on the walls. After two to three days of whitewashing, calcium carbonate forms and gives the walls a shiny finish.

$Ca(OH)_2\ (aq) + CO_2\ (g) \rightarrow CaCO_3\ (s) + H_2O\ (l)$

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47. **Answer: c**

Explanation:

The correct answer is **7 September.**

⭐ **Key Points**

- The **International Day of Clean Air for blue skies** is observed globally on September 07 to promote and facilitate actions to improve air quality.
- The very first International Day of Clean Air for blue skies was held on September 7th, 2020.
- The Day aims to raise public awareness at all levels that clean air is important for health, productivity, the economy and the environment.
- The UN General Assembly adopted the resolution to hold an International Day of Clean Air for blue skies on December 19, 2019, during its 74th session.

⭐ **Additional Information**

Date	Days
15th January	National Army Day.
28th February	National Science Day.
8th March	International Women's Day.
22nd April	Earth Day.
1st May	Labour Day.
24th April	Panchayati Raj Day.
5th June	World Environment Day.
11th July	World Population Day.
29th August	National Sports Day.
15th September	International Day of Democracy.
10th October	World Mental Day.

	16th November	International Day for Tolerance.
January 30		Martyrs Day.
28th February	National Science Day.	
27th March	World Theatre Day.	
30th April	Ayushman Bharat Diwas.	
31st May	Anti-tobacco Day.	
26th June	International Day against Drug Abuse and Illicit Trafficking.	
28th July	World Hepatitis Day.	
30th September	International Translation Day.	
31st October	National Unity Day.	
24th December	National Consumer's Day.	

48. **Answer: d**

Explanation:

The correct answer is **Bhavai.**

⭐ **Key Points**

- **Goddess Amba** is the presiding deity of Bhavai dance/drama performances.
- Bhavai Dance is a very difficult form of dance performed by skilled experts.
- In this dance, women dancers balance 8 to 9 pitcherson their heads and dance simultaneously.
- And sway with the soles of their feet perched on the top of a glass and also sometimes on the edge of a naked sword.
- This dance is believed to be originated in Gujarat.

⭐ **Additional Information**

State	List of Folk Dances in India
Rajasthan	Ghumar, Chakri, Ganagor, Jhulan Leela, Jhuma, Suisini, Ghapal
Bihar	Jata-Jatin, Bakho-Bakhain, Panwariya
Himachal Pradesh	Jhora, Jhali, Chharhi, Dhaman, Chhapeli, Mahasu
Gujarat	Garba, Dandiya Raas, Tippani Juriun, Bhavai

49. **Answer: b**

Explanation:

The correct answer is <u>Football.</u>

⭐ **Key Points**

- **Football is related to the 'CONCACAF Gold Cup'.**
- The Confederation of North, Central America, and Caribbean Association Football is abbreviated as CONCACAF.
- It is one of FIFA's six continental governing bodies for association football.
- It is the third-most successful FIFA confederation.
- Its 41 member associations represent countries and territories.

⭐ **Additional Information**

Sports	Cup associated
Golf	Walker Cup
Football	Durand Cup
Yacht Racing	American Cup
Football (India, Pakistan, Srilanka, and Myanmar)	Colombo Cup
Tennis (Men)	Davis Cup
Tennis (Women)	Billi Jean King Cup
World Football (Soccer)	Jules Rimet Trophy
Golf (Men)	Ryder Cup
Badminton	Sudirman Cup
World Table Tennis (Men)	Swaythling cup
Asian Badminton	Tunku Abdul Rahman Cup

Badminton (Women)	Uber Cup
Basket Ball	William Jones Cup
Cricket	Prudential World Cup
Polo	Ezra Cup
Lifetime Achievement Sporting Honour in India	Dhyan Chand Award
First Class Cricket	Duleep Trophy
Hockey	Guru Nanak Dev Gold Cup Maharaja Ranjit Singh Gold Cup
Football	Rovers Cup
Boat Race	Nehru Trophy
Hockey (National Championship)	Rangaswami Cup

50. **Answer: d**

Explanation:

The correct answer is **Swimming.**

⭐ **Key Points**

- Michael Phelps
  - He is an American former competitive swimmer .
  - He is the most successful and most decorated Olympian of all time with a total of 28 medals .
  - Phelps also holds the record for Olympic gold medals with a total of 23 medals.

- Phelps is the long course world record holder in the men's 400-meter individual medley as well as the former long course world record holder in the 200-meter freestyle, 100-meter butterfly, 200-meter butterfly, and 200-meter individual medley.

⭐ **Additional Information**

- Olympics
    - Olympic Games originated in ancient Greece.
    - The Olympics have been held every four years since 1948.
    - The honour of holding the Olympic Games is entrusted to a city, not to a country.
    - The architect of the modern Olympics Games was Pierre, baron de Coubertin.

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51. **Answer: a**

Explanation:

Given:

A takes 10 days more than B to finish a task.

They both do the work together for 5 days and finish $\frac{8}{15}$ part of the work.

Concept used:

The time is taken by A to complete the work = a

The time is taken by B to complete the work = b

The amount of work done = L.C.M of (a and b) = c

Efficiency of A = $\frac{c}{a}$

Efficiency of B = $\frac{c}{b}$

Calculation used:

According to the question,

Let the time is taken by B to complete the work = x days

The time is taken by A to complete the work = x + 10 days

The amount of work done = $(x)(x + 10)$

Now,

Efficiency of A = $\frac{(x)(x+10)}{x+10}$ = x units a day

Efficiency of B = $\frac{(x)(x+10)}{x}$ = x + 10 units a day

Now,

The amount of work done by A in 5 days = 5x

The amount of work done by B in 5 days = 5(x + 10) = 5x + 50

The total amount of work done in 5 days = 5x + 5x + 50 = 10x + 50

Again according to the question,

⇒ 10x + 50 = $\frac{8}{15}$ of $(x)(x + 10)$

Now by using the value of option.

Option A: x = 15

⇒ $10(15) + 50 = \frac{8}{15}$ of $(15)(15 + 10)$

⇒ 150 + 50 = 8 × 25

⇒ 200 = 200

Therefore, the time is taken by B to complete the work = 15 days

Therefore, '15 days' is the required answer.

⭐ <u>Shortcut Trick</u>

A takes 10 days more than B to finish a task.

⇒ A – B = 10 Days

They both do the work together for 5 days and finish $\frac{8}{15}$ part of the work.

⇒ Means (A + B) = $\frac{8}{15}$ U $_W$ = 5 Days

⇒ 1 U W = $\frac{15 \times 5}{8}$ = 75/8 (Total work done by A+ B) ..... (1)

Now we will help from the option ,

Option 1 B = 15 Days , A = 15 + 10 =25 Days

	Time	Efficiency	Total work
A	25	3	75
B	15	5	

⇒They both do the work together = Total work / Efficiency =75/8

∴The correct answer is Option 1

---

52. **Answer: a**

Explanation:

Given:

? = 4 × 6 ÷ 4 of 6 – 6 ÷ 2 × (4 – 6) + 4 + 2 × 3 ÷ 6 of $\frac{1}{3}$

Concept used:

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

Calculation:

According to the question,

⇒ ? = 4 × 6 ÷ 4 of 6 − 6 ÷ 2 × (4 − 6) + 4 + 2 × 3 ÷ 6 of $\frac{1}{3}$

⇒ ? = 4 × 6 ÷ 4 of 6 − 6 ÷ 2 × (−2) + 4 + 2 × 3 ÷ 6 of $\frac{1}{3}$

⇒ ? = 4 × 6 ÷ 24 − 6 ÷ 2 × (−2) + 4 + 2 × 3 ÷ 2

⇒ ? = 4 × 0.25 − 3 × (−2) + 4 + 2 × 1.5

⇒ ? = 1 + 6 + 4 + 3

⇒ ? = 14

Therefore, '14' is the required answer.

---

53. **Answer: b**

Explanation:

Given:

A sum of money kept at simple interest amounts to Rs. 820 in 3 years and to Rs. 894 in 4 years.

Concept used:

(1.) S.I = $\frac{PRT}{100}$

(2.) A = P + S.I

Where,

A = Final amount

P = principal

R = rate of interest

T = time of investment

Calculation:

According to the question,

$\Rightarrow$ P + $\frac{PR(3)}{100}$ = 820

$\Rightarrow$ P$\left(1 + \frac{3R}{100}\right)$ = 820   ----(1)

$\Rightarrow$ P$\left(1 + \frac{4R}{100}\right)$ = 894   ----(2)

On dividing the equation (1) by (2), we get,

R = $\frac{100 \times 37}{299}$

Now, on substituting the value of R in equation (1) or (2), we get,

P = $\frac{820 \times 299}{410}$

Again according to the question,

$\Rightarrow$ S.I = $\frac{820 \times 299}{410} \times \frac{100 \times 37}{299} \times 9 \times \frac{1}{100}$

$\Rightarrow$ S.I = 666

Therefore, 'Rs. 666' is the required answer.

---

54. **Answer: c**

Explanation:

Given:

A shopkeeper by selling 30 articles, earns a profit equal to the selling price of 8 articles,

Concept used:

Profit = Selling price - Cost price

Profit% = $\frac{\text{Profit}}{\text{Cost price}}$ × 100

or

Profit% = $\left(\frac{\text{S.P}}{\text{C.P}} - 1 \right)$ × 100

Calculation:

Let C and S be the cost price and selling price of the one article.

According to the question,

⇒ 30S - 30C = 8S

⇒ 30S - 8S = 30C

⇒ 22S = 30C

⇒ 11S = 15C

⇒ $\frac{S}{C} = \frac{15}{11}$

Now,

Profit% = $\left(\frac{15}{11} - 1 \right)$ × 100 = 36 $\frac{4}{11}$ %

Therefore, '36 $\frac{4}{11}$ %' is the required answer.

---

55. Answer: a

Explanation:

Given:

A train covers a distance of 14 km in 10 min.

Its speed is decreased by 4 km/h in the second case.

Concept used:

Speed = $\frac{d}{t}$

Where,

d = distance

t = time required

Calculation:

According to the question,

The time taken by the train to cover 14 km = 10 min = $\frac{10}{60}$ hour

The speed of train = $\frac{14}{\frac{10}{60}}$ = 84 kmph

The decreased speed = 84 – 4 = 80 kmph

Now,

The time taken by the train to cover the same distance = $\frac{14}{80}$ × 60 = 10 $\frac{1}{2}$ min

Therefore, '10 $\frac{1}{2}$ min' is the required answer.

---

56. **Answer: c**

Explanation:

Given:

The ratio of acid and water in solution A is 1 : 5 and that in solution B is 2 : 7.

Equal quantities of both solutions are mixed,

Calculation:

In solution A:

The amount of acid = 1 unit

The amount of water = 5 units

The total unit of acid and water in solution A = 6 units

In solution B:

The amount of acid = 2 unit

The amount of water = 7 units

The total unit of acid and water in solution A = 9 units

Since the quantity of both solution must be same,

Therefore, multiply the ratio of acid and water in solution A by 9 and multiply the ratio of acid and water in solution B by 6.

The ratio of acid and water in solution A = 9 : 45

The ratio of acid and water in solution B = 12 : 42

Now,

The total quantity of acid in final solution = 9 + 12 = 21 units

The total quantity of water in final solution = 45 + 42 = 87 units

The required ratio of acid and water = 21 : 87 = 7 : 29

Therefore, '7 : 29' is the required answer.

---

57. **Answer: a**

Explanation:

Given:

In a certain store, the profit is 120% of the cost.

In the second case: The cost increases by 20% but the selling price remains the same,

Concept used:

Profit = Selling price - Cost price

Calculation:

Let the cost price of the article = Rs. 100

According to the question,

The profit earned = 120% of 100 = Rs. 120

Therefore, the selling price of the article = Rs. 100 + Rs. 120 = Rs. 220

In the second case:

The cost price of the article = (100% + 20%) of Rs. 100 = Rs. 120

The profit earned = Rs. 220 - Rs. 120 = Rs. 100

The required percentage = $\frac{100}{220}$ × 100 = 45.45%

Therefore, '45.45%' is the required answer.

58. Answer: d

Explanation:

Given:

In the first case:

Ravina saves $16\frac{2}{3}$ % of her monthly income.

In the second case:

When her monthly expenses increase by 10% (income remains the same), she is able to save Rs. 1,275 a month.

Calculation:

Let x be the monthly income of Ravina.

The amount Ravina saves = $16\frac{2}{3}$ % of x = $\frac{x}{6}$

The monthly expenses of Ravina = x - $\frac{x}{6}$ = $\frac{5x}{6}$

According to the question,

The increased monthly expenses = (100% + 10%) of $\frac{5x}{6}$ = $\frac{5.5x}{6}$

The amount Ravina saves = x - $\frac{5.5x}{6}$ = $\frac{0.5x}{6}$

Now,

⇒ $\frac{0.5x}{6}$ = 1275

⇒ x = Rs. 15300

Therefore, 'Rs. 15300' is the required answer.

59. Answer: b

Explanation:

Given:

The HCF of 767, 1003 and 2773 is x.

Calculation:

First, take the largest value 2773 as the dividend and the smallest value 767 as the divisor.

```
767 | 2773 | 3
      -2301
      472 | 767 | 1
            -472
            295 | 472 | 1
                  -295
                  177 | 295 | 1
                        -177
                        118 | 177 | 1
                              -118
            C.F ←  59 | 118 | 2
                        -118
                          0  →  Remainder
```

Now take the remaining value of 1003 as a dividend and the common factor as 59.

The HCF of 767, 1003 and 2773 is 59.

Therefore, ' 55 and 60 **' is the required answer.**

---

60. **Answer: c**

Explanation:

Given:

The number are: 15, 20, 25 and 30

Calculation:

According to the question,

Prime factorisation of each term:

15 = 3 × **5** = 3 × 5

20 = 2 × 2 × **5** = 2^2 × 5

25 = 5 × **5** = 5^2

30 = 2 × 3 × **5**

The highest common factors in from each prime factors = 5

Similarly,

Prime factorisation of each term:

15 = 3 × 5 = **3** × 5

20 = 2 × 2 × 5= **2² × 5**

25 = 5 × 5 = **5²**

30 = 2 × 3 × 5

The L.C.M of 15, 20, 25 and 30 = 2 × 2 × 3 × 5 × 5 = 300

Again according to the question,

The required sum = 300 + 5 = 305

Therefore, '305' is the required answer.

---

61. **Answer: d**

Explanation:

Given:

If $x^2 : y^2 = 4 : 9$ and $2 : x = 1 : 2$

Calculation:

According to the question,

$2 : x = 1 : 2$

$\Rightarrow \frac{2}{x} = \frac{1}{2}$

$\Rightarrow x = 4$ ----(1)

Again according to the question,

$\Rightarrow \frac{x^2}{y^2} = \frac{4}{9}$

From equation (1), we get,

$\Rightarrow \frac{4^2}{y^2} = \frac{4}{9}$

$\Rightarrow y^2 = 36$

$\Rightarrow y = 6$

Therefore, '6' is the required answer.

---

62. **Answer: c**

Explanation:

Given:

$(2x + 3y) : (3y - 2x) = 3 : 1$

Calculation:

According to the question,

$\Rightarrow \frac{2x+3y}{3y-2x} = \frac{3}{1}$

$\Rightarrow 2x + 3y = 9y - 6x$

$\Rightarrow 2x + 6x = 9y - 3y$

$\Rightarrow 8x = 6y$

$\Rightarrow 4x = 3y$

It can be written as:

$\Rightarrow \frac{x}{y} = \frac{3}{4}$

It can be further written as:

$\Rightarrow x = 3k, y = 4k$

Again according to the question,

$\Rightarrow ? = \frac{3x+4y}{3x-y}$

$$\Rightarrow ? = \frac{3(3k)+4(4k)}{3(3k)-(4k)}$$

$$\Rightarrow ? = \frac{25k}{5k} = \frac{5}{1}$$

Therefore, '5 : 1' is the required answer.

---

63. Answer: d

Explanation:

Given:

First Discount = 30%

Second Discount = 10%

Marked price = Rs. 500

Concept used:

(1.) Overall discount

$$D_o = D_1 + D_2 - \frac{D_1 \times D_2}{100}$$

Where,

D_1 = First discount

D_2 = Second discount

D_o = Overall discount

(2.) Selling price = (100% - Discoun%) × Marked Price

Calculation used:

According to the question,

$$\Rightarrow D_o = 30 + 10 - \frac{30 \times 10}{100}$$

⇒ D o = 40 – 3 = 37%

The selling price of the pen = (100% – 37%) of 500 = Rs. 315

Therefore, 'Rs. 315' is the required answer.

⭐ Alternate Method

Given:

First Discount = 30%

Second Discount = 10%

Marked price = Rs. 500

Concept used:

Selling price = (100% – Discoun%) × Marked Price

Calculation used:

According to the question,

The selling price of the pen after first discount = (100% – 30%) of 500 = Rs. 350

The selling price of the pen after second discount = (100% – 10%) of 350 = Rs. 315

Therefore, 'Rs. 315' is the required answer.

---

64. **Answer: a**

Explanation:

Given:

A train covers a distance of 56 km in 40 minutes.

In the second case: its speed is decreased by 9 km/h,

Concept used:

(1.) Speed = $\frac{\text{Distance}}{\text{Time}}$

(2.) Distance = Speed × Time

Calculation:

According to the question,

Initially, The speed of the train $\frac{56}{\frac{40}{60}}$ = 84 kmph

The decreased speed = 84 - 9 = 75 kmph

Again according to the question,

The time is taken by the train to cover 225 km with decreased speed = $\frac{225}{75}$ = 3 hours

Therefore, '3 hours' is the required answer.

---

65. Answer: c

Explanation:

Given:

The cost price of one toy is Rs. 375.

In the first case:

A shopkeeper sells 12 toys at a profit of 20% and 8 toys at a loss of 10%.

In the second case:

Had he sold all the 20 toys at 9% profit,

Concept used:

Selling price = (100% + Profit%) of Cost price

Selling price = (100% - Loss%) of Cost price

Calculation:

According to the question,

In the first case:

The selling price of the toy for selling it at 20% profit = (100% + 20%) of 375 = Rs. 450

The total price of selling 12 toys = 450 × 12 = Rs. 5400

The selling price of the toy for selling it at 10% loss = (100% – 10%) of 375 = Rs. 337.5

The total selling price of 8 toys = 337.5 × 8 = Rs. 2700

Therefore, the total selling price of 20 toys = Rs. 5400 + Rs. 2700 = Rs. 8100

The cost price of 20 toys = Rs. 375 × 20 = Rs. 7500

The net profit = Rs. 8100 – Rs. 7500 = Rs. 600

In the second case:

The selling price of one toy at 9% profit = (100% + 9%) of Rs. 375 = Rs. 408.75

The selling price of all 20 toys = Rs. 408.75 × 20 = Rs. 8175

The net profit = Rs. 8175 – Rs. 7500 = Rs. 675

The net increase in profit = Rs. 675 – Rs. 600 = Rs. 75

Therefore, 'increased by Rs. 75' **is the required answer.**

---

66. **Answer: d**

Explanation:

Given:

Principal = Rs. 64000

Rate = 5% p.a.

Time = 1 year 6 months = $1\frac{1}{2}$ year

Concept used:

Amount in case of principal is compounded for $1\frac{1}{2}$ years:

Amount = P × $\left(1 + \frac{R}{100}\right)^1$ × $\left(1 + \frac{R}{2\times100}\right)$

Calculation:

According to the question,

Amount = 64000 × $\left(1 + \frac{5}{100}\right)$ × $\left(1 + \frac{5}{200}\right)$

Amount = 64000 × $\frac{105}{100}$ × $\frac{205}{200}$

Amount = 68880

Now,

C.I = 68880 – 64000

C.I = 4880

Therefore, 'Rs. 4880' is the required answer.

---

67. **Answer: c**

Explanation:

Given:

Principal amount = Rs. 1,25,000

Rate = 15% per annum

Time = 2 years

Compounding is done 8-monthly, n = 8

Concept used:

Effective rate, R = r% × $\frac{n}{12}$ per annum

Effective time, T = t × $\frac{12}{n}$ years

Now,

Amount = P × $\left(1 + \frac{R}{100}\right)$T

C.I = Amount - P

Calculation:

According to the question,

Effective rate = 15% × $\frac{8}{12}$ = 10% per annum

Effective time = 2 × $\frac{12}{8}$ = 3 years

Now,

Amount = 125000 × $\left(1 + \frac{10}{100}\right)^3$ = Rs. 166375

C.I = Rs. 166375 - Rs. 125000 = Rs. 41375

Therefore, 'Rs. 41375' is the required answer.

---

68. **Answer: a**

Explanation:

Given:

A can complete 60% of a work in 6 days and B can complete the same work in 15 days.

They work together for 3 days.

The remaining work is completed by C alone in 12 days.

Concept used:

The time is taken by A to complete the work = a

The time is taken by B to complete the work = b

The amount of work done = L.C.M of (a and b) = c

Efficiency of A = $\frac{c}{a}$

Efficiency of B = $\frac{c}{b}$

Calculation:

According to the question,

The time is taken by A to complete 60% of the work = 6 days

The time is taken by A to complete 100% of the work = $\frac{6}{60}$ × 100 = 10 days

The time is taken by B to complete the work = 15 days

The total unit of work = L.C.M of (10 and 15) = 30 units

Efficiency of A = $\frac{30}{10}$ = 3 units a day

Efficiency of B = $\frac{30}{15}$ = 2 units a day

Now,

The amount of work done by A in 3 days = 3 × 3 = 9 units

The amount of work done by B in 3 days = 2 × 3 = 6 units

The total amount of work by A and B in 3 days = 9 + 6 = 15 units

The remaining amount of work = 30 - 15 = 15 units

The time is taken by C to complete the remaining work = 12 days

Efficiency of C = $\frac{15}{12}$ = 1.25 units a day

Again according to the question,

The time is taken by C to complete the $\frac{1}{8}$ of work = $\frac{\frac{30}{8}}{1.25}$ = 3 days

Therefore, '3 days' is the required answer.

---

69. **Answer: c**

Explanation:

Given:

The average of the squares of two consecutive odd natural numbers = 145

Concept used:

(1.) Let a be the first odd number, and then the second consecutive odd number is (a + 2).

(2.) Average of 'n' numbers = $\frac{\text{Sum of n numbers}}{\text{n}}$

(3.) $(x + y)^2 = x^2 + y^2 + 2xy$

Calculation:

According to the question,

⇒ $(a)^2 + (a + 2)^2 = 145 \times 2$

⇒ $(a) 2 + (a + 2) 2 = 290$

⇒ $a 2 + a^2 + 4 + 4a = 290$

⇒ $2a 2 + 4a = 286$

⇒ $a 2 + 2a - 143 = 0$

⇒ $a 2 + 13a - 11a - 143 = 0$

⇒ a(a + 13) – 11(a + 13) = 0

⇒ (a – 11)(a + 13) = 0

We get,

a = 11, a = –13

Now,

The value of the first odd number = a = 11

The value of the second odd number = a + 2 = 13

The required average = $\frac{11+13}{2}$ = 12

Therefore, '12' is the required answer.

70. Answer: a

Explanation:

Given:

The sides of a triangular park are 60 m, 297 m and 303 m.

Concept used:

(1.) Area of triangle = √(s(s-a)(s-b)(s-c))

(2.) Semi-perimeter, s = $\frac{a+b+c}{2}$

Where,

a, b and c are the lengths of the three sides of the triangle.

(3.) Area of square = x^2

Where,

x is the side length of the square

Calculation:

According to the question,

$\Rightarrow$ s = $\frac{60 + 297 + 303}{2}$

$\Rightarrow$ s = 330 m

Now,

$\Rightarrow$ A = $\sqrt{(330(330 - 60)(330 - 297)(330 - 303))}$

$\Rightarrow$ A = $\sqrt{(330 \times 270 \times 33 \times 27)}$

$\Rightarrow$ A = 8910 m^2

Again according to the question,

$\Rightarrow$ Area of square, x^2 = 8910

$\Rightarrow$ x = 9$\sqrt{110}$

The perimeter of square = 4x = 36$\sqrt{110}$ m

Therefore, '36$\sqrt{110}$ m' is the required answer.

---

71. **Answer: a**

Explanation:

Given:

An article is marked at Rs. 750,

If it is sold at a discount of 16%, then the selling price becomes $\frac{3}{2}$ times of its cost price.

Concept used:

Selling price = (100% - Discount%) of Marked price

Calculation:

According to the question,

The selling price of the article = (100% - 16%) of 750 = Rs. 630

Again according to the question,

The cost price of the article = $\frac{2}{3}$ × 630 = Rs. 420

Therefore, 'Rs. 420' is the required answer.

---

72. **Answer: a**

Explanation:

Given:

? = 5 × 3 ÷ 3 of 6 - 8 ÷ 2 × (3 - 5) + 3 - 2 × 4 ÷ 6 of $\frac{1}{2}$

Concept used:

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

Calculation:

According to the question,

$\Rightarrow ? = 5 \times 3 \div 3$ of $6 - 8 \div 2 \times (3 - 5) + 3 - 2 \times 4 \div 6$ of $\frac{1}{2}$

$\Rightarrow ? = 5 \times 3 \div 18 - 8 \div 2 \times (-2) + 3 - 2 \times 4 \div 3$

$\Rightarrow ? = 5 \times \frac{1}{6} - 4 \times (-2) + 3 - 2 \times \frac{4}{3}$

$\Rightarrow ? = \frac{5}{6} + 8 + 3 - \frac{8}{3}$

$\Rightarrow ? = \frac{5 + 48 + 18 - 16}{6}$

$\Rightarrow ? = \frac{55}{6}$ Therefore, ' $\frac{55}{6}$ ' is the required answer.

---

73. Answer: a

Explanation:

Given:

The difference between the two positive numbers x and y where x > y, is 25% of x.

Value of y is 15

Calculation:

According to the question,

$\Rightarrow x - y = 25\%$ of x

$\Rightarrow x - y = 0.25x$

$\Rightarrow x - 0.25x = y$

$\Rightarrow 0.75x = y$

Now,

⇒ 0.75x = 15

⇒ x = 20

Therefore, '20' is the required answer.

---

74. Answer: b

Explanation:

Given:

The adjacent sides of a parallelogram are 10 cm and 15 cm.

The distance between the shorter sides is 6 cm,

Concept used:

Area of parallelogram = base × height

Calculation:

According to the question, the required image is:

In the first case:

Length of base = 10 cm

Distance between shorter sides = 6 cm

Area of parallelogram = 10 × 6 = 60 cm ^{2}

In the second case:

Length of the base = 15 cm

Distance between the longer side = DF cm

Area of parallelogram = 15DF

Now, on equating the area, we get,

⇒ 15DF = 60

⇒ DF = 4 cm

Therefore, '4 cm' is the required answer.

---

75. **Answer: c**

Explanation:

Given:

The list of 5 smallest prime numbers: 2, 3, 5, 7, 11

Concept used:

Average of 'n' numbers = $\frac{\text{Sum of n numbers}}{n}$

Calculation:

According to the question,

The sum of all 5 smallest prime number = 2 + 3 + 5 + 7 + 11 = 28

The required average = $\frac{28}{5}$ = 5.6

Therefore, '5.6' is the required answer.

76. **Answer: c**

Explanation:

The correct answer is option 3), i.e., 'a few . '

⭐ **Key Points**

- The error lies in Part (few)of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- According to the rules of adjectives, let's see the usage of the above-mentioned words:

Adjectives	Usage
the few	used to mean not many but all.
little	used to mean not much but all.
a few	used to mean not many (some) in the positive sense.

- The implied meaning of the given sentence is that by using some words, he expressed his gratitude to me.
- Therefore, in the erroneous part, the use of 'few' in the sentence should be replaced with 'a few' to make it grammatically correct .
- Therefore, the correct answer is Option 3.

Correct sentence:*In__a few__ words, he expressed his gratitude to me.*

77. **Answer: c**

Explanation:

The erroneous part is option 3), i.e., 'The use of the animal power .'

⭐ **Key Points**

- The error lies in part 'The use of the animal power.'
- An article is a word that defines a noun as specific or unspecific. It is of two types: **definite (the)** and **indefinite (a/an)**.
- According to the rules of articles, **'the'** refers to a particular noun. It can be used with uncountable nouns.
- Here **'animal power'** is not a particular noun but a common noun.
- Therefore i n the given sentence, we need to remove 'the' to make the sentence grammatically correct.
- Hence, the correct answer is option 3.

Correct sentence: ***The use of animal power*** *is now considered by many people to be archaic and inefficient.*

---

78. **Answer: b**

Explanation:

The correct answer is option 2), i.e., 'democracy . '

⭐ <u>Key Points</u>

- The error lies in Part (**frequency**) of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- Let's look at the meaning of the wrong word and other given options:

Word	Meaning
frequency	the number of times something happens within a particular period. (किसी विशेष अवधि के भीतर कितनी बार कुछ होता है)
constantly	all the time or often . (हर समय या अक्सर)
democracy	the belief in freedom and equality between people, or a system of government based on this belief, in which power is either held by elected representatives or directly by the people themselves . (लोगों के बीच स्वतंत्रता और समानता में विश्वास, या इस विश्वास के आधार पर सरकार की एक प्रणाली, जिसमें सत्ता या तो निर्वाचित प्रतिनिधियों के पास होती है या सीधे लोगों के पास होती है)
illiteracy	a lack of the ability to read and write . (पढ़ने और लिखने की क्षमता की कमी)
supremacy	the leading or controlling position . (अग्रणी या नियंत्रित स्थिति)

- The implied meaning of the sentence is that other emerging nations look to India as a role model for secularism and the belief in individual liberty and equality.
- Therefore, in the erroneous part, the use of 'frequency' in the sentence should be replaced with ' democracy 'to make it meaningfully correct .
- Therefore, the correct answer is Option 2.

Correct sentence:*India's secularism and*democracy*serve as a role model to other developing countries.*

---

79. **Answer: c**

Explanation:

The erroneous part is option 3), i.e., 'bringing to light .'

⭐ **Key Points**

- The error lies in the part'bringing to light.'

- The given sentence implies a fact or general truth. According to the rules of tenses, these kinds of sentences are always written in the simple present tense.
- The structure of simple present tense: **Subject + V1 + Object.**
- Here the verb **'bringing' is in the continuous form,** and we have to change it into the **present form, which is 'bring.'**
- Therefore i n the given sentence, we need to use 'bring'in place of'bringing' to make the sentence grammatically correct.
- Hence, the correct answer is option 3.

Correct sentence:*Jim Corbett's books* **bring to light** *the beauty of life amidst nature.*

---

80. **Answer: b**

Explanation:

The correct answer is option 2), i.e., 'regularly.'

⭐ **Key Points**

- Let's look at the meaning of the words given in the options:

Word	Meaning
constantly	all the time or often all the time or often. (हर समय या अक्सर)
regularly	in a timely manner, with equal or similar amounts of time between one time and the next. (समयबद्ध तरीके से, एक समय और अगले समय के बीच समान या समान समय के साथ)
usually	happening or done most of the time; ordinary. (अधिकांश समय हो रहा है या किया गया है; साधारण)
commonly	often or usually. (प्राय: या प्राय:)

- The context of the sentence is that one must take his/her medication in a timely manner.

- According to the above-mentioned points, the most appropriate word to fill in the blank is "regularly."
- Therefore, the correct answer is Option 2.

- Another example :
  - *The crops are regularly sprayed with pesticides.*

Complete Sentence: *You must take your medicine regularly.*

---

81. **Answer: b**

Explanation:

The correct answer is: **Contentment** .

⭐ Key Points

- **Regret:** feel sad, repentant, or disappointed over (something that one has done or failed to do).
- **Contentment:** a state of happiness and satisfaction.
- From the above definitions, we can easily conclude that 'regret' and 'contentment' are antonyms.

Therefore, the correct answer is: **Contentment.**

⭐ Additional Information

- **Impatience:** the tendency to be impatient; irritability or restlessness.
- **Dissatisfaction:** lack of satisfaction.
- **Irritation:** the state of feeling annoyed, impatient, or slightly angry.

---

82. **Answer: b**

Explanation:

The correct answer is option 2), i.e., 'luggage.'

⭐ <u>Key Points</u>

- Let's look at the meaning of the words given in the options:

Word	Meaning
burden	a heavy load that you carry. (एक भारी बोझ जिसे आप ढोते हैं)
luggage	the bags, suitcases, etc. that contain your possessions and that you take with you when you are travelling. (बैग, सूटकेस, आदि जिसमें आपकी संपत्ति होती है और जिसे आप यात्रा के दौरान अपने साथ ले जाते हैं)
information	facts about a situation, person, event, etc. (किसी स्थिति, व्यक्ति, घटना आदि के बारे में तथ्य)
furniture	things such as chairs, tables, beds, cupboards, etc. that are put into a house or other building to make it suitable and comfortable for living or working in. (कुर्सियाँ, टेबल, बिस्तर, अलमारी आदि जैसी चीज़ें जिन्हें किसी घर या अन्य इमारत में रहने या काम करने के लिए उपयुक्त और आरामदायक बनाने के लिए लगाया जाता है)

- The context of the sentence is that Rima stated that she only had two bags and not much baggage.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "luggage."
- Therefore, the correct answer is Option 2.

- Another example :
  - *Leave your **luggage** in the hotel.*

<u>Complete Sentence:</u>*Rima declared that she doesn't have much<u>luggage</u>, just two bags.*

---

83. **Answer: d**

Explanation:

The correct answer is option 4), i.e., 'Placid .'

⭐ **Key Points**

- Let's look at the meaning of the marked option :

Word	Meaning
Placid	having a calm appearance or characteristics which is not excited. (एक शांत उपस्थिति या विशेषताओं का होना जो उत्साहित नहीं है)

- Example :
    - *A slow-moving and **placid** river is passing through the mountain valley.*
- Let's look at the meanings of the other given options:

Word	Meaning
Serious	not joking or intended to be funny. (मज़ाक नहीं कर रहा है या मज़ाक करने का इरादा नहीं है)
Indecent	not suitable or correct for a situation. (किसी स्थिति के लिए उपयुक्त या सही नहीं)
Peaceful	without violence. (हिंसा के बिना)

- Hence, from the given meanings, we find that 'Placid 'is the correct one-word substitute.
- So, the correct answer is option 4.

---

84. Answer: d

Explanation:

The erroneous part is option 4), i.e., 'have been blocked .'

⭐ Key Points

- The error lies in part 'have been blocked.'
- According to the rules of subject-verb agreement, a singular verb is used with a singular noun/ pronoun.
- The noun **'route'** is singular in number. We have to use a singular verb.
- The verb **'have'** is used with a plural noun/ pronoun.
- We have to use **'has',** which is suitable for a singular noun/ pronoun.
- Therefore i n the given sentence, we need to use 'has' in place of 'have' to make the sentence grammatically correct.
- Hence, the correct answer is option 4.

Correct sentence: *Which route on the highway **has been blocked** by the police?*

---

85. Answer: b

Explanation:

The correct answer is option 2), i.e., "A miserable life . "

⭐ Key Points

- Let's look at the meaning of the given idiom/ phrase:
- The phrase' A dog's life 'means ' a very unhappy and unpleasant life.' (बहुत दुखी और अप्रिय जीवन)
- *Example*:
  - *Sh e has been living **a dog's life** since her husband died.*
- Hence, the only possible answer is option 2 'A miserable life,' which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning: *A miserable life.*

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86. Answer: b

Explanation:

The correct answer is option 2), i.e., 'Disappear.'

⭐ Key Points

- Let's look at the meanings of the given word and marked option:

Word	Meaning
Emerge	to appear by coming out of something or out from behind something. (किसी चीज से या किसी चीज के पीछे से निकलकर प्रकट होना)
Disappear	(of a person or thing) to go to a place or into a condition where the person or thing cannot be seen. ((किसी व्यक्ति या वस्तु का) किसी स्थान या ऐसी स्थिति में जाना जहाँ व्यक्ति या वस्तु को देखा न जा सके)

- Let's look at the meanings of the other given options:

Word	Meaning
Progress	movement to an improved or more developed state, or to a forward position. (एक बेहतर या अधिक विकसित स्थिति में या आगे की स्थिति में आंदोलन)
Terminate	to (cause something to) end or stop. ((किसी चीज़ का कारण) समाप्त या रुकना)
Evolve	to develop gradually, or to cause something or someone to develop gradually. (धीरे-धीरे विकसित होना, या किसी चीज या व्यक्ति को धीरे-धीरे विकसित करना)

- Hence from the given meanings,we find that ' Emerge ' and ' Disappear 'are antonyms.
- So,the correct answer is option 2.

⭐ Additional Information

- Let's look at the synonyms and antonyms for the given word 'Emerge ':

- Synonyms:appear, arrive, come up, crop up, develop.
- Antonyms:abandon, decrease, disappear, drop, fall.

87. Answer: a

Explanation:

The correct answer is option 1), i.e., "Mediocher."

⭐ Key Points

- The correct spelling is 'Mediocre .'
- ' Mediocre ' means ' just acceptable but not good enough.' (बस स्वीकार्य है लेकिन काफी अच्छा नहीं है)
- Example:
  - *The acting in the new marvel movie is mediocre.*
- Therefore, 'Mediocher'is incorrectly spelt among the given options.
- Hence, option 1 is the correct answer.

⭐ Additional Information

- Let's know the meaning of the other options:

Word	Meaning
Procure	to get something, especially after an effort. (कुछ पाने के लिए, विशेष रूप से एक प्रयास के बाद)
Massacre	an act of killing a lot of people. (बहुत से लोगों को मारने का कार्य)

88. Answer: a

Explanation:

The correct answer is option 1), i.e., 'Hinder .'

⭐ <u>Key Points</u>

- Let's look at the meaning of the given word :

Word	Meaning
Hamper	to make an action intended to achieve something more difficult. (कुछ और अधिक कठिन हासिल करने के उद्देश्य से एक कार्रवाई करना), to make something difficult. अवरुद्ध होना, रुकना

- Let's look at the meaning of the words given in the options:

Word	Meaning
Hinder	to limit the ability of someone to do something, or to limit the development of something. (किसी की कुछ करने की क्षमता को सीमित करना, या किसी चीज़ के विकास को सीमित करना)
Loosen	to become or make something less firmly fixed. (कुछ कम मजबूती से तय होना या बनना)
Permit	to allow something. (कुछ अनुमति देना)
Explain	to make something clear or easy to understand by describing or giving information about it. (किसी बात का वर्णन या जानकारी देकर उसे स्पष्ट या समझने में आसान बनाना)

- Clearly,the word' Hinder 'isclosest in meaningto the given word' Hamper .'
- Therefore,the correct synonym of the given word isoption 1.

⭐ <u>Additional Information</u>

- Let's look at the synonyms and antonyms for the given word 'Hamper ':

- Synonyms:circumscribe, cramp, imprison, restrain, restrict.
- Antonyms:free, liberate, unlimited.

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89. **Answer: b**

Explanation:

The correct answer is option 2), i.e., 'Bonus .'

⭐ **Key Points**

- Let's look at the meaning of the given word :

Word	Meaning
Bonanza	a situation that creates a sudden increase in wealth, good fortune, or profits. (एक ऐसी स्थिति जो धन, सौभाग्य या लाभ में अचानक वृद्धि करती है)

- Let's look at the meaning of the words given in the options:

Word	Meaning
Bane	a cause of continuous trouble or unhappiness. (निरंतर परेशानी या दुख का कारण)
Bonus	an extra amount of money that is given to you as a present or reward for good work as well as the money you were expecting. (एक अतिरिक्त राशि जो आपको उपहार के रूप में दी जाती है या अच्छे काम के लिए इनाम के साथ-साथ वह पैसा जिसकी आप उम्मीद कर रहे थे)
Brink	the point where a new or different situation is about to begin. (वह बिंदु जहां एक नई या अलग स्थिति शुरू होने वाली है)
Bump	to hit something with force. (किसी चीज पर जोर से प्रहार करना)

- Clearly,the word' Bonus 'isclosest in meaningto the given word' Bonanza .'
- Therefore,the correct synonym of the given word isoption 2.

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90. **Answer: d**

Explanation:

The correct answer is option 4), i.e., 'news is true . '

⭐ Key Points

- The error lies in Part (news are true)of the sentence.
- As per instructions, the remaining portion of the sentence is correct.
- According to the rules of nouns, some of the nouns (ending in 's' or 'es') are used with a singular verb.
- A few examples of such nouns are News, Innings, Politics, Summons, Physics, Economics, Ethics, Mathematics, Mumps, Measles, Rickets, Billiards, and Athletics.
- The word 'news' is such an exceptional noun.
- Therefore, in the erroneous part, the use of the plural verb 'are' in the sentence should be replaced with the singular verb 'is' to make it grammatically correct .
- Therefore, the correct answer is Option 4.

Correct sentence:*The **news is true** .*

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91. **Answer: d**

Explanation:

The correct answer is option 4), i.e., 'Antipathy .'

⭐ Key Points

- Let's look at the meaning of the marked option :

Word	Meaning
Antipathy	a feeling of strong dislike, opposition, or anger. (तीव्र अरुचि, विरोध या क्रोध की भावना)

- Example :
    - *The two sides were able to come to a compromise despite their intense antipathy toward one another.*
- Let's look at the meanings of the other given options:

Word	Meaning
Empathy	the ability to share someone else's feelings or experiences by imagining what it would be like to be in that person's situation. (उस व्यक्ति की स्थिति में क्या होना पसंद होगा, इसकी कल्पना करके किसी और की भावनाओं या अनुभवों को साझा करने की क्षमता)
Sympathy	understanding and care for someone else's suffering. (किसी और की पीड़ा को समझना और उसकी परवाह करना)
Allopathy	a name for conventional medicine used by some followers of alternative medicine. (वैकल्पिक चिकित्सा के कुछ अनुयायियों द्वारा उपयोग की जाने वाली पारंपरिक चिकित्सा का एक नाम)

- Hence, from the given meanings, we find that 'Antipathy 'is the correct one-word substitute.
- So, the correct answer is option 4.

92. **Answer: c**

Explanation:

The correct answer is option 3), i.e., 'Marine .'

⭐ **Key Points**

- Let's look at the meaning of the marked option :

Word	Meaning
Marine	the plants, animals and other organisms that live in the salt water of seas or oceans. (वह पौधे, जानवर और अन्य जीव हैं जो समुद्र या महासागरों के खारे पानी में रहते हैं)

- Example :
  - *Marine life near the islands was in danger due to the oil spill.*
- Let's look at the meanings of the other given options:

Word	Meaning
Ovine	relating to sheep. (भेड़ से संबंधित)
Cannibal	a person who eats human flesh, or an animal that eats the flesh of animals of its own type. (एक व्यक्ति जो मानव मांस खाता है, या एक जानवर जो अपने ही प्रकार के जानवरों का मांस खाता है)
Rodent	any of various small mammals with large, sharp front teeth, such as mice and rats. (चूहों और चूहों जैसे बड़े, तेज सामने वाले दांतों वाले विभिन्न छोटे स्तनधारियों में से कोई भी)

- Hence, from the given meanings, we find that 'Marine 'is the correct one-word substitute.
- So, the correct answer is option 3.

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93. **Answer: c**

Explanation:

The correct answer is option 3), i.e., 'managed.'

⭐ **Key Points**

- Let's look at the meaning of the words given in the options:

Word	Meaning
trained	having been prepared for a particular job or activity, by learning skills, getting qualifications, etc. (कौशल सीखकर, योग्यता प्राप्त करके, किसी विशेष कार्य या गतिविधि के लिए तैयार किया गया है)
achieved	to succeed in finishing something or reaching an aim, especially after a lot of work or effort. (किसी चीज़ को पूरा करने या किसी लक्ष्य तक पहुँचने में सफल होने के लिए, विशेष रूप से बहुत सारे काम या प्रयास के बाद)
managed	to succeed in doing or dealing with something, especially something difficult. (कुछ करने या व्यवहार करने में सफल होने के लिए, विशेष रूप से कुछ कठिन)
handled	to deal with, have responsibility for, or be in charge of. (से निपटने के लिए, के लिए जिम्मेदारी है, या के प्रभारी हो)

- The context of the sentence is that he succeeded to find a second-hand book in a shop.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "managed."
- Therefore, the correct answer is Option 3.

- Another example :
  - *She **managed** to snatch the gun from the thief's hand.*

Complete Sentence:*He **managed** to find a second-hand book in a shop.*

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94. **Answer: c**

Explanation:

The correct answer is option 3), i.e., "To appeal to someone . "

⭐ Key Points

- Let's look at the meaning of the given idiom/ phrase:

- The phrase' To catch someone's fancy 'means ' To be appealing or pleasant to someone; to be intriguing or of interest to someone.' (किसी के लिए आकर्षक या सुखद होना; किसी के लिए पेचीदा या रुचिकर होना)
- *Example*:
  - *Shyam will buy any bike that* **takes his fancy.**
- Hence, the only possible answer is option 3, 'To appeal to someone,' which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning:*To appeal to someone.*

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95. Answer: d

Explanation:

The correct answer is option 4), i.e., "Furtile."

⭐ Key Points

- The correct spelling is 'Fertile .'
- ' Fertile ' means ' (of soil or land) producing or capable of producing abundant vegetation or crops; (of a person, animal, or plant) able to conceive young or produce seed.' ((मिट्टी या भूमि का) प्रचुर मात्रा में वनस्पति या फसलों का उत्पादन या उत्पादन करने में सक्षम; (किसी व्यक्ति, जानवर या पौधे के) युवा को गर्भ धारण करने या बीज पैदा करने में सक्षम)
- Example:
  - *Fertile black soil is most suitable for cotton cultivation.*
- Therefore, 'Furtile'is incorrectly spelt among the given options.
- Hence, option 4 is the correct answer.

⭐ Additional Information

- Let's know the meaning of the other options:

Word	Meaning
Futile	the actions which have no effect. (जिन क्रियाओं का कोई प्रभाव न हो)
Furnace	a container that is heated to a very high temperature, so that substances that are put inside it, such as metal, will melt or burn. (एक कंटेनर जिसे बहुत अधिक तापमान पर गर्म किया जाता है, ताकि उसमें रखे पदार्थ, जैसे धातु, पिघल जाए या जल जाए)
Future	the form of a verb that you use when talking about something that will happen or exist. (एक क्रिया का रूप जिसका उपयोग आप किसी ऐसी चीज के बारे में बात करते समय करते हैं जो घटित होगी या मौजूद होगी)

96. Answer: d

Explanation:

The correct answer is option 4), i.e., 'devoted.'

⭐ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
deputed	appoint or instruct (someone) to perform a task for which one is responsible. (किसी कार्य को करने के लिए (किसी को) नियुक्त या निर्देश देना जिसके लिए कोई जिम्मेदार हो)
destined	(of a person's future) regarded as developing as though according to a pre-existing plan. ((किसी व्यक्ति के भविष्य के) को पहले से मौजूद योजना के अनुसार विकसित माना जाता है)
depleted	diminish in number or quantity. (संख्या या मात्रा में कमी)
devoted	to appropriate by or as if by a vow; set apart or dedicate by a solemn or formal act; consecrate. (द्वारा उपयुक्त या जैसे कि एक व्रत द्वारा; एक गंभीर या औपचारिक कार्य द्वारा अलग या समर्पित करना; ज्ञान देना)

- The context of the sentence is that Mother Teresa dedicated her life to the service of ill and deserted people.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "devoted."
- Therefore, the correct answer is Option 4.

Complete passage: Mother Teresa was a humanitarian because she *(1) devoted* her entire life to the service of the sick and the *(2) abandoned*. She joined the sisters of Loreto at the age of 18 to *(3) become* a missionary in India. She started her missionary work in Darjeeling and *(4) learned* the local language, Bengali. She soon took her vows *(5) as* a nun and also took the name, Teresa.

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97. **Answer: d**

Explanation:

The correct answer is option 4) i.e. 'abandoned.'

⭐ **Key Points**

- Let's look at the meaning of the words given in the options:

Word	Meaning
separated	to consider two people or things as different or not related. (दो व्यक्तियों या वस्तुओं को भिन्न या असंबद्ध मानना)
vacated	to leave (a place that one previously occupied). (छोड़ना (एक स्थान जो पहले कब्जा कर लिया था))
dropped	having fallen or been allowed to fall vertically; made low or lower than is usual. (गिरने या लंबवत गिरने की अनुमति दी गई; सामान्य से कम या कम किया हुआ)
abandoned	(people or place) left without needed protection, care, or support. ((लोग या स्थान) आवश्यक सुरक्षा, देखभाल या समर्थन के बिना छोड़ दिया)

- The context of the sentence is that Mother Teresa dedicated her life to the service of ill people who needed care and support.
- According to the above-mentioned points, the most appropriate word to fill in the blank is "abandoned."
- Therefore, the correct answer is Option 4.

Complete passage:Mother Teresa was a humanitarian because she(1) devotedher entire life to the service of the sick and the(2) abandoned. She joined the sisters of Loreto at the age of 18 to(3) becomea missionary in India. She started her missionary work in Darjeeling and(4) learnedthe local language, Bengali. She soon took her vows(5) asa nun and also took the name, Teresa.

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98. **Answer: d**

Explanation:

The correct answer is option 4) i.e. 'become.'

⭐ **Key Points**

- The context of the sentence is that at the age of 18, Mother Teresa joined the Loreto sisters to become a missionary in India.

- In the given sentence, the word **'to'** is acting as part of the ' **to-infinitive'.** The **'to-infinitive'** is formed as 'to + base form of the verb.'
- Among the given option, the base form of the verb is **'become.'**

- According to the above-mentioned points, the most appropriate option to fill in the blank is "become" to make the sentence grammatically correct.
- Therefore, the correct answer is Option 4.

Complete passage:Mother Teresa was a humanitarian because she*(1) devoted*her entire life to the service of the sick and the*(2) abandoned*. She joined the sisters of Loreto at the age of 18 to*(3) become*a missionary in India. She started her missionary work in Darjeeling and*(4) learned*the local language, Bengali. She soon took her vows*(5) as*a nun and also took the name, Teresa.

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99. Answer: d

Explanation:

The correct answer is option 4) i.e. 'learnt.'

⭐ Key Points

- Let's look at the meaning of the words given in the options:

Word	Meaning
read	to receive or take in the sense of (letters, symbols, etc.) especially by sight or touch. (विशेष रूप से दृष्टि या स्पर्श द्वारा (अक्षरों, प्रतीकों, आदि) के अर्थ में प्राप्त करना या लेना)
wrote	to form (characters, symbols, etc.) on a surface with an instrument (such as a pen). (एक उपकरण (जैसे एक कलम) के साथ एक सतह पर (अक्षर, प्रतीक, आदि) बनाने के लिए)
recited	to repeat from memory or read aloud publicly. (स्मृति से दोहराना या सार्वजनिक रूप से जोर से पढ़ना)
learnt	to gain knowledge or understanding of or skill by study, instruction, or experience. (अध्ययन, निर्देश, या अनुभव द्वारा ज्ञान या समझ या कौशल प्राप्त करना)

- The context of the sentence is that Mother Teresa gained knowledge and understanding of the Bengali language in order to continue her missionary work.
- According to the above-mentioned points, the most appropriate word to fill in the blank is " learnt ."
- Therefore, the correct answer is Option 4.

Complete passage: Mother Teresa was a humanitarian because she *(1) devoted* her entire life to the service of the sick and the *(2) abandoned*. She joined the sisters of Loreto at the age of 18 to *(3) become* a missionary in India. She started her missionary work in Darjeeling and *(4) learned* the local language, Bengali. She soon took her vows *(5) as* a nun and also took the name, Teresa.

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100. **Answer: a**

    Explanation:

    The correct answer is option 1) i.e. ' as .'

    ⭐ **Key Points**

- Let's look at the use of the prepositions given in the options:

Preposition	Usage
as	to indicate the capacity, character, condition, or role of something.
of	used as a function word to indicate a point of reckoning; used as a function word to indicate origin or derivation; used as a function word to indicate the cause, motive, or reason.

- The context of the sentence is that Mother Teresa took the oath to perform the role of a nun to dedicate her life to serving other people.
- Whereas 'while' and 'when' are not prepositions but conjunctions.
- According to the above-mentioned points, the most appropriate preposition to fill in the blank is "as."
- Therefore, the correct answer is Option 1.

Complete passage: Mother Teresa was a humanitarian because she *(1) devoted* her entire life to the service of the sick and the *(2) abandoned*. She joined the sisters of Loreto at the age of 18 to *(3) become* a missionary in India. She started her missionary work in Darjeeling and *(4) learned* the local language, Bengali. She soon took her vows *(5) as* a nun and also took the name, Teresa.