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 (22-Nov-2021) (Shift 3)

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. In a certain code language, KING is coded as 1012810131568. How will ROSE be coded in that language?

   (+1, −0.25)

   a. 17191614201864

   b. 19171614192035

   c. 17181416192056

   d. 17191416182046

2. At the end of a conference, all the 30 people present shake hands with each other once. How many handshakes will there be altogether?

   (+1, −0.25)

   a. 60

   b. 450

   c. 435

   d. 300

3. A cube is made by folding the given sheet. In the cube so formed, which number will be on the face opposite to the face having the number '7'?

   (+1, −0.25)
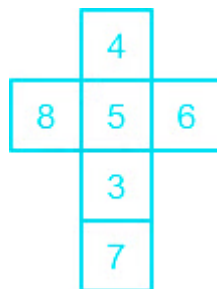
   a. 4

b. 5

c. 6

d. 8

---

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

10	13	17
12	11	?
160	185	235

a. 15

b. 13

c. 10

d. 17

---

5. Identify the number that **does NOT belong** to the following series.   **(+1, −0.25)**

18, 27, 35, 45, 54

a. 18

b. 45

c. 54

d. 35

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

BCB_BC_IB_BI

a. BCI

b. BCC

c. CBI

d. IBC

---

7. Six friends A, B, C, D, E and F, have different heights. A is taller than only C and E. B is shorter than D but D is not the tallest among them. Who is the tallest among them all? **(+1, −0.25)**

a. C

b. E

c. A

d. F

---

8. In a certain code language, 'ORACLE' is written as 'HSVUXG' and 'DAVID' is written as 'BVJFB'. How will 'VIDEO' be written in that language? **(+1, −0.25)**

a. JFBGH

b. GFBJH

c. JFGBH

d. JBFGH

9. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure. **(+1, −0.25)**

a.

b.

c.

d.
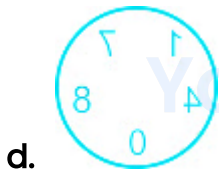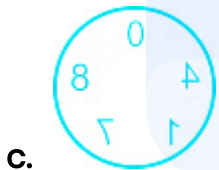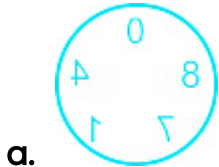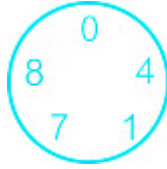
10. Select the option that is related to the third number in the same way as the second number is related to the first number. **(+1, −0.25)**

6 : 216 : : 8 : ?

a. 64

b. 154

c. 1024

d. 512

---

11. Which **two numbers (NOT digits)** need to be interchanged to make the following equation correct?   (+1, −0.25)

3 × 45 ÷ 5 + 7−12 = 70

a. 3 and 5

b. 5 and 12

c. 5 and 7

d. 3 and 7

---

12. 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. Power

2. Piece

3. Peace

4. Poem

5. Palm

a. 5, 4, 3, 2, 1

b. 2, 3, 1, 5, 4

c. 1, 2, 3, 4, 5

d. 5, 3, 2, 4, 1

---

13. Four friends named A, B, C, and D are sitting around a square table in a restaurant. If B is sitting in front of A and diagonally opposite to D, then who is sitting in front of C? **(+1, −0.25)**

   a. D

   b. A

   c. none

   d. B

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

   NKI, PMK, ROM, ?

   a. TRP

   b. TOM

   c. SPN

   d. TQO

15. Select the option that is related to the third term in the same way as the second term is related to the first term. **(+1, −0.25)**
   TANGY : GZMTB : : PRIEST : ?

   a. LIRVJG

   b. KIRVHG

   c. KJSVHG

d. KIRUHF

16. 'Honey' is related to 'Bees' in the same way as 'Sugar' is related to (+1, -0.25)
'_____'.

    a. Cake

    b. Sugarcane

    c. Juicer

    d. Sweet

---

17. In a certain code language, VOLLEY is written as WpMMfZ, and DON is (+1, -0.25)
written as EpO. How will DENSITY be written in that language?

    a. EFotJUy

    b. EEoTjUz

    c. FfOtJuZ

    d. EfOTjUZ

---

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

---

a.

b.

c.

d.

---
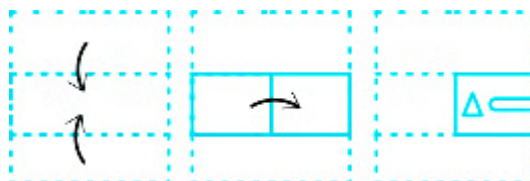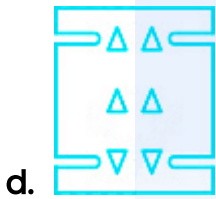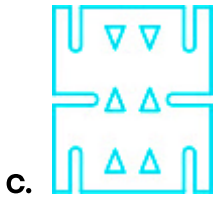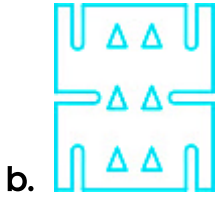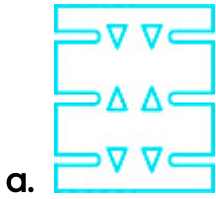
19. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

(+1, -0.25)

    a. ZTG

    b. IDE

    c. RDN

    d. USB

---

20. Select the Venn diagram that best represents the relationship between the following classes.

(+1, -0.25)

Police, Males, Husbands

a.

b.

c.

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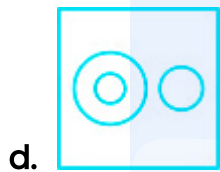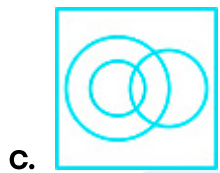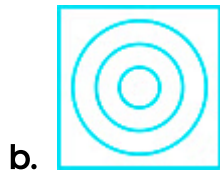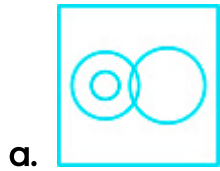
21. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, -0.25)

6, 8, 20, 50, 106, ?

a. 212

b. 280

c. 196

d. 218

22. If Samaira is the daughter of my father's mother's only son, how is Samaira related to me? (+1, -0.25)

a. Mother

b. Sister

c. Niece

d. Daughter

---

23. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

(+1, -0.25)

Statements:

All fruits are flowers.

Some fruits are kiwis.

Conclusions:

I. Some flowers are kiwis.

II. All kiwis are fruits.

a. Only conclusion II follows.

b. Both conclusions I and II follow.

c. Neither conclusion I nor II follows.

d. Only conclusion I follows.

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24. 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.
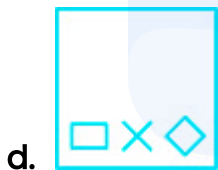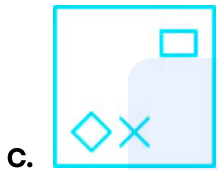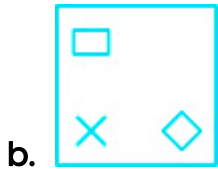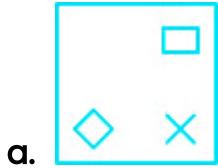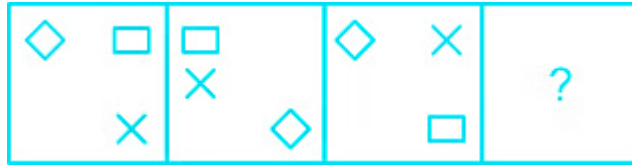
25. Select the option in which the given figure is embedded (rotation is NOT allowed).   (+1, −0.25)

a.

b.

c.

d.
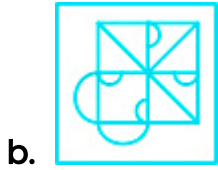
General Knowledge and General Awareness

26. Who among the following was appointed as Goodwill Ambassador of United Nations Development Programme (UNDP) in September 2020?   (+1, -0.25)

    a. Yemi Alade

    b. Michelle Obama

    c. Padma Lakshmi

    d. M. Nethra

27. How many pairs of chromosomes are present in human beings?   (+1, -0.25)

    a. 23

    b. 26

    c. 19

    d. 22

28. With which of the following games/sports is the William Jones Cup associated?   (+1, -0.25)

    a. Billiards

    b. Basketball

    c. Boxing

    d. Cricket

29. The process of development of an area through conservation and regeneration of degraded ecosystem and ecological stability is called _____. **(+1, −0.25)**

    a. ecological development

    b. social development

    c. social stability

    d. permanent development

30. The Lebang Boomani Dance is part of the folk dance repertoire of which of these Indian states? **(+1, −0.25)**

लेबांग बूमनी नृत्य इनमें से किस भारतीय राज्य के लोक नृत्य प्रदर्शनों का हिस्सा है?

    a. Tripura

    b. Odisha

    c. Maharashtra

    d. Kerala

31. As per Census 2011, which of the following states' sex ratio is less than 900? **(+1, −0.25)**

    a. Haryana

    b. Assam

    c. Jharkhand

    d. Madhya Pradesh

32. Forty years after disbanding, music group _____ announced its return in September 2021.

(+1, -0.25)

    a. Rolling Stones

    b. Eagles

    c. Led Zeppelin

    d. ABBA

33. The _____ empire was the first pan-Indian empire that covered most of the Indian subcontinent.

(+1, -0.25)

    a. Chola

    b. Kushan

    c. Mauryan

    d. Gupta

34. The Open Era in tennis began in _____ when the Grand Slam tournaments agreed to allow professional players to compete with amateurs.

(+1, -0.25)

    a. 1958

    b. 1948

    c. 1968

    d. 1938

35. In which of the following years was Sanchi declared as a UNESCO World Heritage Site? (+1, -0.25)

   a. 1989

   b. 1999

   c. 1967

   d. 2014

36. In relation to banking, CTS is an acronym for _____. (+1, -0.25)

   a. Cheque Truncation System

   b. Corporate Trade Schedule

   c. Credit Transfer Statement

   d. Cash Transaction Scrutiny

37. The science that deals with soil management and crop rotation, weed and pest control and the study of climate that plays an important role in crop growth and food production is called? (+1, -0.25)

   a. Cytology

   b. Agronomy

   c. Anatomy

   d. Agrostology

38. The 9th edition of the International Sand Art Festival was organised in December 2020 in _ _ _ _ _ _ _ _. (+1, −0.25)

    a. Odisha

    b. Tamil Nadu

    c. Maharashtra

    d. Andhra Pradesh

39. In which of the following years was the Hindu Widows' Remarriage Act enacted? (+1, −0.25)

    a. 1856

    b. 1890

    c. 1906

    d. 1934

40. Who is the author of the book 'Exam Warriors'? (+1, −0.25)

    a. Vikram Seth

    b. Bibek Debroy

    c. Abhishek Manu Singhvi

    d. Narendra Modi

41. When is Women's Entrepreneurship Day observed every year? (+1, −0.25)

a. 10 October

b. 19 November

c. 25 November

d. 14 September

---

42. Who among the following persons led the 'No Tax Campaign' against the British after the floods in Khera (Khaira/Kaira) in 1918?   (+1, −0.25)

    a. Morarji Desai

    b. Tribhuvandas Patel

    c. Mahadev Desai

    d. Vallabhbhai Patel

---

43. Which of the following is awarded to the coaches for producing medal winners at prestigious international sports events?   (+1, −0.25)

    a. Dhyan Chand Award

    b. Dronacharya Award

    c. Rajiv Gandhi Khel Ratna

    d. Arjuna Award

---

44. The National Sports University, Imphal is a central university established under an Act passed in the year _____.   (+1, −0.25)

    a. 2014

b. 2018

c. 2015

d. 2019

---

45. What is the percentage hike in defence expenditure in the Budget 2020-2021 as against the allocation in the previous financial year?   (+1, -0.25)

  a. 6.1%

  b. 4.3%

  c. 7.4%

  d. 5.8%

---

46. The scientific study of the structure, nature and ecological distribution of animals is called _____.   (+1, -0.25)

  a. zoology

  b. botany

  c. saurology

  d. ethnology

---

47. Which state has the second-highest number of Lok Sabha seats, after Uttar Pradesh?   (+1, -0.25)

  a. Tamil Nadu

  b. Andhra Pradesh

c. Bihar

d. Maharashtra

---

48. The minerals closest to the bottom of the earth's surface can only be excavated by the _ _ _ _ _ _ _ process.   (+1, -0.25)

   a. Drilling

   b. Quarrying

   c. Shaft Mining

   d. Open Cast Mining

---

49. People in ancient India believed that when the '_ _ _ _ _ _ _' ritual was performed with the help of Brahmanas, it led to the rebirth of the sacrificer as a Kshatriya, even if he was not one by birth.   (+1, -0.25)

   a. Samavaj-tana

   b. Upanayana

   c. Medhajanana

   d. Hiranya-garbha

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50. In February 2020, the Board of the Reserve Bank of India recommended that its accounting year be changed from _ _ _ _ _ _ _ to April - March.   (+1, -0.25)

   a. September - August

   b. January - December

   c. October - September

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d. July – June

Elementary Mathematics

51. A sum amounts to Rs. 9,261 in 3 years at 5% per annum, interest compounded annually. What is the simple interest (in Rs.) on the same sum for 3 $\frac{3}{4}$ years at the same rate of interest?

(+1, −0.25)

    a. Rs. 1,350

    b. Rs. 1,500

    c. Rs. 1,620

    d. Rs. 1,560

52. In a college election, Seema and Geeta got the votes in the ratio of 4 : 5 of the total valid votes. If 19% are invalid votes out of 15000 votes, then the difference of the votes polled in favour of Seema and Geeta is:

(+1, −0.25)

    a. 1500

    b. 1150

    c. 1800

    d. 1350

53. If HCF of 328, 451 and 697 is x, then the value of x lies between:

(+1, −0.25)

    a. 44 and 48

    b. 40 and 44

    c. 36 and 40

    d. 48 and 52

54. A train travels from place A to place B at a speed of 90 km/h and returns at a speed of 75 km/h. If it takes a total time of 14 $\frac{2}{3}$ hours, the distance between the places A and B is: **(+1, −0.25)**

a. 600 km

b. 560 km

c. 620 km

d. 580 km

55. Ravi gains 12.5% by selling an article for Rs. 157.50. If he sells it for Rs. 147, then what is his loss/gain percentage? **(+1, −0.25)**

a. Loss 5%

b. Gain 5%

c. Gain 10.5%

d. Loss 10.5%

56. A reduction of 12 $\frac{1}{2}$ % in the price of wheat enables a person to buy 2$\frac{1}{2}$ kg more for Rs. 280. Initially, how much wheat (in kg) was the person able to buy? **(+1, −0.25)**

a. 15

b. 12.5

c. 17.5

d. 20

57. Vimala took a loan of Rs. 7,200 on simple interest for as many years as **(+1, −0.25)**
the rate of interest. If she paid Rs. 5,832 as interest at the end of the loan
period, then the rate of interest is:

a. 8.5%

b. 9%

c. 12%

d. 8%

58. Reema sold a suit at a profit of 10.5%. If she had sold it for Rs. 70 more, **(+1, −0.25)**
then the profit would have been 14%. The initial selling price (in Rs.) of the
suit is:

a. 2,350

b. 2,140

c. 2,210

d. 2,280

59. The value of $72 \div 16$ of $3 - [28 \div 6$ of $4 - 20 \div 7 \times (23 - 37) - 41] \times 1\frac{1}{2}$ is: **(+1, −0.25)**

a. 1

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

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

d. $\frac{5}{4}$

60. 7 men can pack 14 boxes in 6 days by working for 7 hours a day. How many days will be required by 14 men to pack 18 boxes, if they work for 9 hours a day? (+1, −0.25)

a. 5

b. 3

c. 4

d. 2

61. The average of 37 numbers is 49. The average of the first 21 numbers is 43.8 and that of the last 17 numbers is 55.6. If the 21 st number is excluded, then what is the average of the remaining numbers (correct to one decimal place)? (+1, −0.25)

a. 53.5

b. 48.9

c. 49.7

d. 47.6

62. Out of six numbers A, B, C, D, E and F, the average of first five numbers A, B, C, D and E is greater than the average of last five numbers B, C, D, E and F by 26. The difference between A and F is: (+1, −0.25)

a. 130

b. 125

c. 140

d. 120

63. If a sum of Rs. 644 is divided into three parts proportional to $\frac{1}{2}$: $\frac{2}{3}$: $\frac{3}{4}$ then the first part will be: (+1, −0.25)

    a. Rs. 322

    b. Rs. 168

    c. Rs. 280

    d. Rs. 186

64. The ratio of two numbers x and y is 4 : 7. If 6 is added to x and 7 is subtracted from y, then their ratio becomes 3 : 4. What is the difference between y and x?   (+1, −0.25)

    a. 36

    b. 30

    c. 24

    d. 27

65. The curved surface area of a right circular cylinder of height 14 cm is 176 cm^2. What is the area (in cm^2) of the base of the cylinder? (Take π = $\frac{22}{7}$)   (+1, −0.25)

    a. $\frac{44}{7}$

    b. $\frac{176}{7}$

    c. $\frac{66}{7}$

    d. $\frac{88}{7}$

66. Radha saves 28% of her income. If her expenditure increases by 25% and savings increase by 30%, then by what percentage will her income increase?

(+1, -0.25)

a. 27.6%

b. 26.4%

c. 27%

d. 25%

67. A sum of Rs. 10500 amounts to Rs. 12705 in 2 years at x % p.a., when the interest is compounded annually. The same sum will amount (in Rs.) to what at 2 x % p.a. in $1\frac{1}{2}$ years, when interest compounded half yearly?

(+1, -0.25)

a. 11297

b. 17395.75

c. 13975.50

d. 19753.25

68. A shopkeeper decides to sell a certain item at a certain price. He tags the price on the item by increasing the decided price by 45%. While selling the item, he offers 40% discount. Find how much more or less he gets on the decided price.

(+1, -0.25)

a. Rs. 87 less

b. Rs. 13 less

c. Rs. 87 more

d. Rs. 13 more

---

69. Pipes A, B and C can fill a tank in 10, 15 and 18 hours, respectively. A and C are opened for 5 hours, then only pipe A is closed and B is opened at the same time (with C). The total time taken to fill the tank completely is: (+1, -0.25)

a. $3\frac{2}{3}$ hours

b. $6\frac{9}{11}$ hours

c. $5\frac{8}{11}$ hours

d. $2\frac{1}{3}$ hours

---

70. The LCM of two positive numbers is 13 times their HCF. The sum of HCF and LCM is 252. If one number is 54, then the other number is: (+1, -0.25)

a. 73

b. 78

c. 68

d. 63

---

71. A person travels equal distances at speeds of 3 km/h, 4 km/h, 5 km/h and 6 km/h, and takes a total time of 3 hours 48 minutes. The total distance (in km) is: (+1, -0.25)

a. 16

b. 4

c. 12

d. 20

---

72. Madhu bought 35 kg of sugar for Rs. 1,470. She sold it at a loss equal to the selling price of 5 kg of it. What is the selling price (in Rs.) of 8 kg of sugar? **(+1, -0.25)**

    a. 296

    b. 288

    c. 300

    d. 294

---

73. A sum of Rs. 980 is divided among A, B and C such that A gets $\frac{3}{7}$ of B's share and C gets 75% of A's share. The share of C **(+1, -0.25)**

    a. Rs. 160

    b. Rs. 250

    c. Rs. 180

    d. Rs. 280

---

74. The surface areas of three coterminous faces of a cuboid are 5 cm 2 , 16 cm 2 and 20 cm 2 respectively. Find the volume of the cuboid. **(+1, -0.25)**

    a. 45 cm^3

    b. 50 cm^3

    c. 30 cm^3

    d. 40 cm^3

---

75. Find the value of $9\frac{4}{15} \div \frac{7}{8}$ of $\left(6\frac{1}{5} + 3\frac{2}{5}\right) - \left(\frac{2}{21} + \frac{1}{126}\right)$.

<div align="right">(+1, −0.25)</div>

    a. 1

    b. 3

    c. 10

    d. 5

English

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

To give up the ghost

  a. To pretend to be a ghost

  b. To scare away a ghost

  c. To stop working

  d. To speak lies

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

  a. Drainage

  b. Opening

  c. Spoonful

  d. Vegeteble

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

  a. Sumptuous

  b. Prosperous

  c. Pretious

  d. Pompous

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

Radha was extremely _ _ _ _ _ _ _ _ about the welfare of her parents.

a. impatient

b. eager

c. intense

d. anxious

---

80. 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)

All the mangoes is sweet ; you should try one.

a. All the mangoes are sweet

b. No substitution required

c. All mangoes sweet

d. All the mangoes sweet

---

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

Defend

a. Abandon

b. Tarnish

c. Adjourn

d. Derange

---

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

   These children / are attended / yoga classes / regularly.

   a. yoga classes

   b. regularly

   c. These children

   d. are attended

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

   One who travels on foot

   a. Visitor

   b. Traveller

   c. Tourist

   d. Pedestrian

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

   Not breathe a word

   a. To be quiet not knowing what to say

   b. To be quiet because you are angry

   c. To decide not to talk to someone

d. To remain silent about some secret

---

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

Social distancing should be practiced in _ _ _ _ _ _ _ _ with other everyday preventive actions.

a. comprehension

b. understanding

c. arrangement

d. combination

---

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

Petty

a. Quick

b. Dull

c. Big

d. Light

---

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

Please walk carefully <u>unless you should</u> hurt yourself.

a. or you might

b. No improvement required

c. unless you will

d. so you should

---

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

Plants that grow / in deserts / do not requires / much water.

a. do not requires

b. much water

c. in deserts

d. Plants that grow

---

89. Select the most appropriate option that can substitute the underlined word in the given sentence.   (+1, -0.25)
The Maldives is one of the few places in the world where <u>ancient</u> pleasure can be derived from doing nothing.

a. curt

b. bustling

c. tremendous

d. prosperous

---

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

Choke

a. Hack

b. Block

c. Slash

d. Chop

---

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

If you do not return my money, I will _ _ _ _ _ _ you to court.

a. push

b. lift

c. carry

d. drag

---

92. The following sentence has been divided into parts. One of them contains an error.   (+1, -0.25)

Select the part that contains the error from the given options.

Neither the guests / nor the host / were dressed appropriately / for the party.

a. Neither the guests

b. were dressed appropriately

c. nor the host

d. for the party

---

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

A cage for keeping rabbits

a. Hutch

b. Lair

c. Apiary

d. Kennel

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

A spider's home

a. Hole

b. Den

c. Cobweb

d. Hive

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

Marvellous

a. Dangerous

b. Childish

c. Wonderful

d. Innocent

---

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)

Consumption of junk and fast food is the main (1)_____ of obesity in teenagers. Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain. A number of health issues arise out of it. Obesity can also result in (3)_____ problems like low self-esteem and low confidence. It can also lead to laziness and in activeness among teens. Junk food and soft drinks should be (4)_____ with lots of fruits, vegetables and whole grains in the diet. The best way to control obesity is to do (5)_____ physical exercise.

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

a. result

b. effect

c. cause

d. event

---

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)

Consumption of junk and fast food is the main (1)_____ of obesity in teenagers. Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain. A number of health issues arise out of it. Obesity can also result in (3)_____ problems like low self-esteem and low confidence. It can also lead to laziness and in activeness among teens. Junk food and soft drinks should be (4)_____ with lots of fruits,

vegetables and whole grains in the diet. The best way to control obesity is to do (5)_____ physical exercise.

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

a. insignificant

b. unnecessary

c. irrelevant

d. necessary

---

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)

Consumption of junk and fast food is the main (1)_____ of obesity in teenagers. Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain. A number of health issues arise out of it. Obesity can also result in (3)_____ problems like low self-esteem and low confidence. It can also lead to laziness and in activeness among teens. Junk food and soft drinks should be (4)_____ with lots of fruits, vegetables and whole grains in the diet. The best way to control obesity is to do (5)_____ physical exercise.

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

a. physiological

b. psychological

c. political

d. mental

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)

Consumption of junk and fast food is the main (1)_____ of obesity in teenagers. Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain. A number of health issues arise out of it. Obesity can also result in (3)_____ problems like low self-esteem and low confidence. It can also lead to laziness and in activeness among teens. Junk food and soft drinks should be (4)_____ with lots of fruits, vegetables and whole grains in the diet. The best way to control obesity is to do (5)_____ physical exercise.
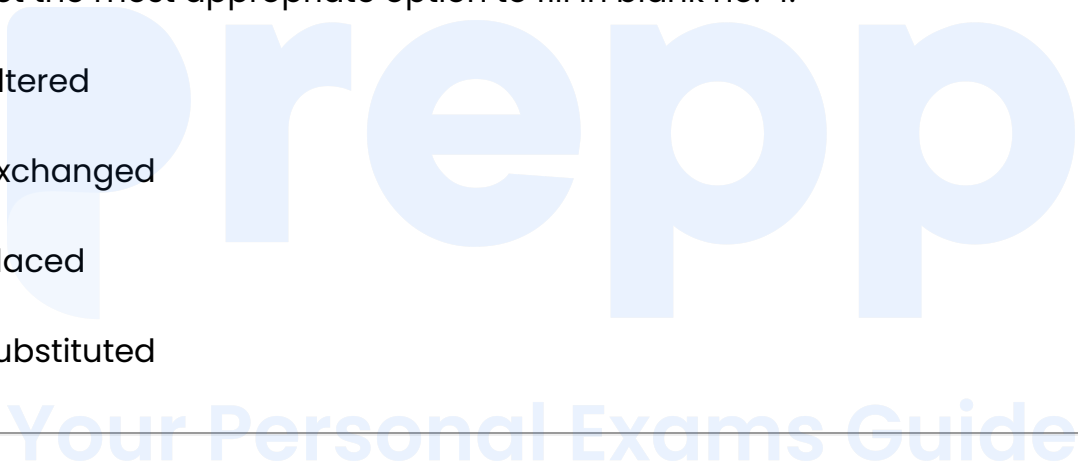
Select the most appropriate option to fill in blank no. 4.

a. altered

b. exchanged

c. placed

d. substituted

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)

Consumption of junk and fast food is the main (1)_____ of obesity in teenagers. Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain. A number of health issues arise out of it. Obesity can also result in (3)_____ problems like low self-esteem and low confidence. It can also lead to laziness and in activeness among teens. Junk food and soft drinks should be (4)_____ with lots of fruits, vegetables and whole grains in the diet. The best way to control obesity is to do (5)_____ physical exercise.

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

a. unsystematic

b. formal

c. regular

d. irregular

Answers

1. Answer: d

Explanation:

The table is alphabets place value:

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

The pattern followed here is:

KING is coded as 1012810131568
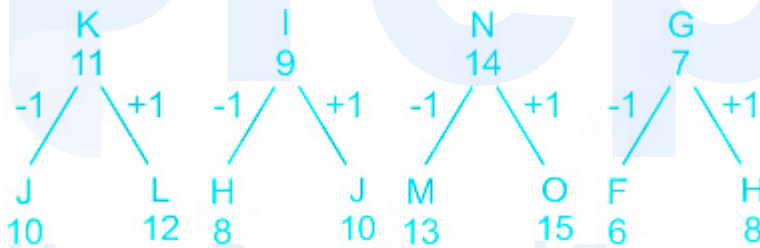
Similarly,

'ROSE' = ?

Hence, the correct answer is "17191416182046".

2. Answer: c

Explanation:

Number of people in the conference = 30

Each person shakes hands with others.

Concept used:

When n people shake hands with each other, the total number of handshakes = $^{n}C_2$

Calculation:

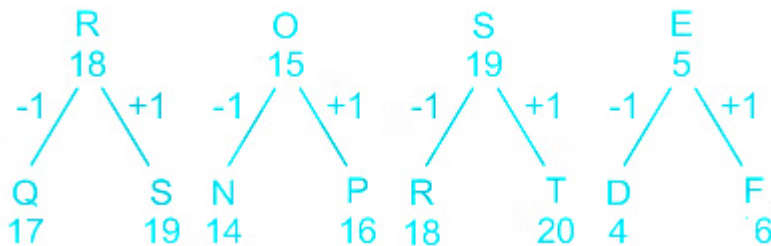Total number of handshakes = $^{30}C_2$ = (30 × 29)/2 = 870/2 = 435 handshakes.

Hence, The total number of handshakes is 435.

---

3. Answer: b

Explanation:

Opposite surface of the open dice can be found by the below method:-

- Alternate surfaces are opposite to each other.
- No two opposite surface are touched by side or by corners

So, by using the above rule we can find the opposite surface of open dice.

Below are the opposite surfaces:-
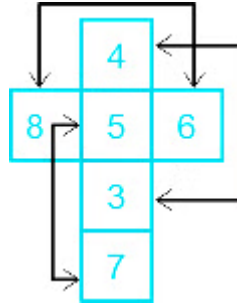
Numbers	Opposite
8	6
4	3
5	7

Hence, '7' is the number on the opposite side of the number '5'

---

4. **Answer: b**

Explanation:

Here the pattern followed in **each column** is:

$\{(3^{rd}\ number) - (1^{st}\ number \times 10)\} \div 5 = 2^{nd}\ number$

Column 1: 10, 12, 160

$\{(3^{rd}\ number) - (1^{st}\ number \times 10)\} \div 5$

$= \{(160) - (10 \times 10)\} \div 5$

$= (160 - 100) \div 5$

= 60 ÷ 5

= 12 = **2 nd number**

Column 2: 13, 11, 185

$\{(3^{rd} \text{ number}) - (1^{st} \text{ number} \times 10)\} \div 5$

= {(185) − (13 × 10)} ÷ 5

= (185 − 130) ÷ 5

= 55 ÷ 5

= 11 = **2 nd number**

Similarly,

Column 3: 17, ?, 235

$\{(3^{rd} \text{ number}) - (1^{st} \text{ number} \times 10)\} \div 5$

= {(235) − (17 × 10)} ÷ 5

= (235 − 170) ÷ 5

= 65 ÷ 5

= 13 = **2 nd number**

Hence, **"13"** is correct answer.

---

5. **Answer: d**

Explanation:

The pattern followed here is:
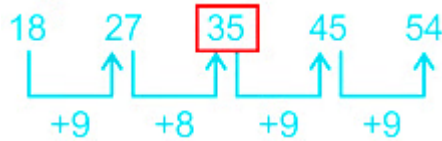
As it is seen that addition is done in a particular sequence.

And '35' is wrong, the correct sequence should be:
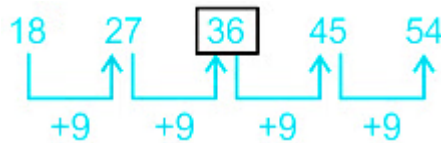
Hence, the correct answer is "35".

---

6. Answer: d

Explanation:

Given: B C B _ B C _ I B _ B I

By checking options and substituting accordingly.

1) BCI → B C B**B** /B C**CI** /B**I**B I → Doesn't follow a definite pattern.

2) BCC → B C B**B** /B C**CI** /**BCB** I → Doesn't follow a definite pattern.

3) CBI → B C B**C** /B C**BI** /B**I**B I → Doesn't follow a definite pattern.

4) **IBC** → B C B**I** /B C**BI** /B**C**B I → **Follows a definite pattern.**

Here "B C B I" is repeated itself.

- Option (4) gives a pattern of **B C B I** / B C B I / **B C B I.**

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

---

7. Answer: d

Explanation:

Given:

Six students - A, B, C, D, E and F

1) A is taller than only C and E.

_ > _ > _ > A > C/E > C/E

2) B is shorter than D but D is not the tallest among them.

Only F is left so F is tallest than D and B

F > D > B > A > C/E > C/E

Thus, **"F"** is the tallest among all the friends.

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

---

8. **Answer: a**

Explanation:

Table of alphabets place values:

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

The pattern follows here,

'ORACLE' is written as 'HSVUXG'

And,
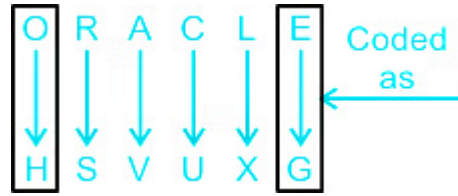
'DAVID' is written as 'BVJFB'
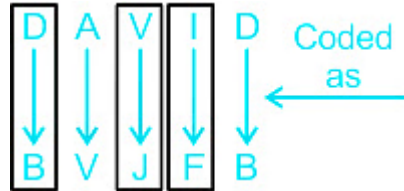
Similarly,

' VIDEO ' be written as
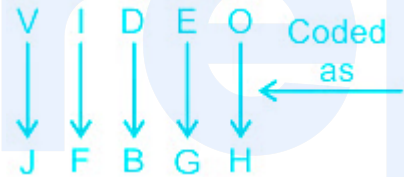
Hence, ' VIDEO ' is coded as '**JFBGH**'

9. **Answer: a**

Explanation:

The correct mirror image of the given figure when the mirror is held at the right side is:
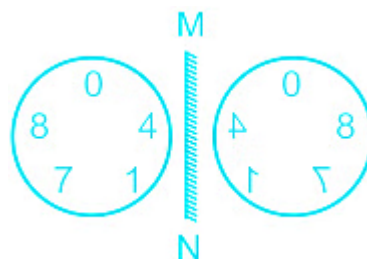
Hence, "option (1)" is the correct answer.

⭐ **Additional Information**

In Mirror image left side and right side changed vice-versa where top and bottom remain same.

Reflection of an object into the water is its water image . It appears by inverting an object vertically i.e. upside down.

The water image of the figure looks like the mirror image of the figure in case the mirror is horizontally at the bottom o f the figure.

Water image is just a reflection where top and bottom part of the images changed where left and right side of the image remain same

---

10. **Answer: d**

Explanation:

The pattern followed here is,

Let (1st number : 2nd number)

$$(\text{1st number})^3 = \text{2nd number}$$

Now follow the steps:

6 : 216

=> 6^3 = 6 × 6 × 6 = 216 = 2nd number

Similarly,

8 : ?

=> 8^3 = 8 × 8 × 8 = 512 = 2nd number

Hence, **"512"** is correct answer.

11. Answer: a

Explanation:

According to the 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 : 3 and 5

Given:

3 × 45 ÷ 5 + 7 − 12 = 70

After interchange the numbers;

5 × *45 ÷ 3*+ 7 − 12 = 70

By BODMAS rule

5 × 15+ 7 − 12 = 70

75 + 7− 12 = 70

82 − 12= 70

70 = 70(LHS = RHS)

Option 2 : 5 and 12

Given:

3 × 45 ÷ 5 + 7 − 12 = 70

After interchange the numbers;

3 × *45 ÷ 12* + 7 – 5 = 70

By BODMAS rule

3 × 3.75 + 7 – 5 = 70

11.25 + 7 – 5 = 70

18.25 – 5 = 70

13.25 ≠ 70 **(LHS ≠ RHS)**

Option 3: 5 and 7

Given:

3 × 45 ÷ 5 + 7 – 12 = 70

After interchange the numbers;

3 × *45 ÷ 7* + 5 – 12 = 70

By BODMAS rule

3 ×6.42 + 5 – 12 = 70

19.28 + 5 – 12 = 70

24.28 – 12 = 70

12.28 ≠ 70 **(LHS ≠ RHS)**

Option 4: 3 and 7

Given:

3 × 45 ÷ 5 + 7 – 12 = 70

After interchange the numbers;

7 × *45 ÷ 5* + 3 – 12 = 70

By BODMAS rule

_7 × 9_+ 3 – 12 = 70

_63 + 3_– 12 = 70

66 – 12 = 70

54 ≠ 70 (LHS ≠ RHS)

Hence, the correct answer is **" 3 and 5".**

---

12. **Answer: d**

Explanation:

According to the sequence in the dictionary:

The correct order of the given words is:

5. **Pa** lm

3. **Pe** ace

2. **Pi** ece

4. **Poe** m

1. **Pow** er

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

⭐ **Additional Information**

1. First of all, check the common letter in all.

2. Arrange them according to the alphabet they come first.

3. When common letters are arranged, then go for the rest.

13. Answer: a

Explanation:

Given:

- A, B, C, and D are sitting around a square table.
- B is sitting in front of A.
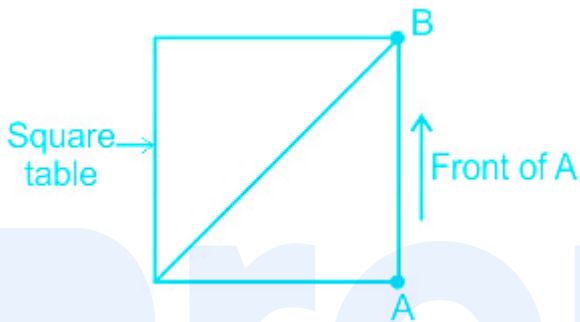
ii) If B is sitting in front of A and diagonally opposite D
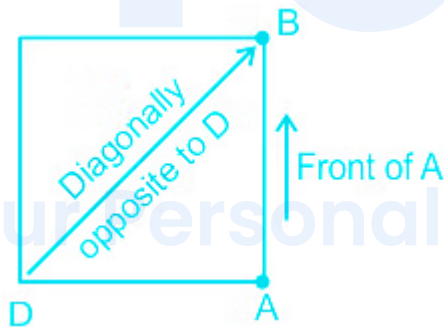
iii) Only "C" is available to sit in front of D.
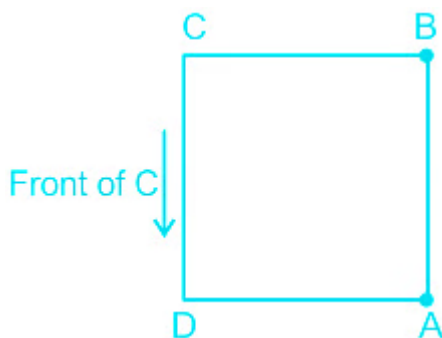
Thus we can say D is sitting in front of C.

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

14. Answer: d

Explanation:

Table show alphabet serial number –

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

The pattern followed is,
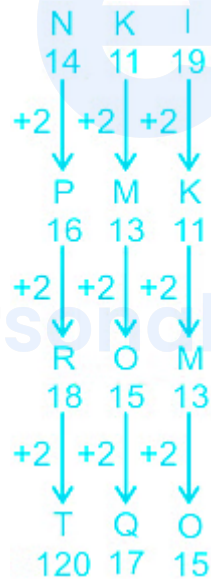
Hence, **"TQO"** is the correct answer.

15. Answer: b

Explanation:

The table is alphabets place value:

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

The pattern followed here is:

TANGY : GZMTB

```
T    A    N    G    Y
20   1    14   7    25
Opposite Opposite Opposite Opposite Opposite
↓    ↓    ↓    ↓    ↓
G    Z    M    T    B
7    26   13   20   2
```

Similarly,

PRIEST : ?

```
P    R    I    E    S    T
16   18   9    5    19   20
Opposite Opposite Opposite Opposite Opposite Opposite
↓    ↓    ↓    ↓    ↓    ↓
K    I    R    V    H    G
11   9    18   22   8    71
```

Hence, ' PRIEST ' is coded as "**KIRVHG**".

⭐ Additional Information

Shortcut to remember the reverse positional letters.

A ↔ Z	(Azad)
B ↔ Y	(BoY)
C ↔ X	(CraX)
D ↔ W	(DeW)
E ↔ V	(EVen)
F ↔ U	(FUll)
G ↔ T	(G T road)
H ↔ S	(High School)
I ↔ R	(Indian Railway)
J ↔ Q	(Jungle Queen)
K ↔ P	(KanPur)
L ↔ O	(LiOn)
M ↔ N	(MaN)

16. **Answer: b**

Explanation:

Given:

'Honey' is related to 'Bees' → Honey is made by honey bees.

Similarly,

'Sugar' is related to 'Sugarcane' →Sugar is made from the sugarcane plant.

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

⭐ Additional Information

⇒ Sugarcane contains Glucose + Fructose.

- Fructose is a monosaccharide.
- A monosaccharide is the simplest form of sugar and the smallest unit of carbohydrate which cannot be further divided.

- When two monosaccharides join it forms a molecule called Disaccharide.
- All the other options are disaccharides

Glucose + Fructose	Sucrose(Found in Sugarcane)
Glucose + Glucose	Maltose
Glucose + Galactose	Lactose(Found in Milk)

- **Honey Bee is a colonial insect living in beehives consisting of one queen (a fertile female), a few drones (males), and thousands of workers (infertile females).**
- Around 5 to 25% of the workers are scouts whose job is to search for a new source of food while the foragers harvest food.
- When the food is within 50 to 75 meters of the hive the Scouts perform a round dance.
- Whereas if the food is farther than 75 meters from the hive the Scout's dance is called the waggle dance .

17. **Answer: d**

Explanation:

The table is alphabets place value:

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

The pattern followed here is:

- Letters are increased by +1.

VOLLEY is written as WpMMfZ

```
 V    O    L    L    E    Y
22   15   12   12    5   25
 |    |    |    |    |    |
+1   +1   +1   +1   +1   +1
 ↓    ↓    ↓    ↓    ↓    ↓
 W    p    M    M    f    Z
23   16   13   13    6   26
```
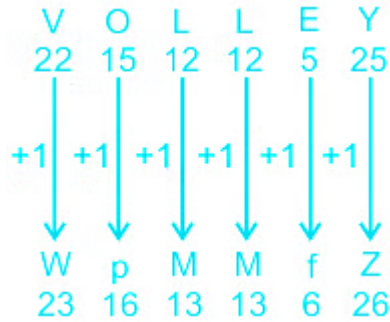
And,

DON is written as EpO

```
 D    O    N
24   15   14
 |    |    |
+1   +1   +1
 ↓    ↓    ↓
 E    p    O
 5   16   15
```

Similarly,

'DENSITY' = ?

```
 D    E    N    S    I    T    Y
24    5   14   19    9   20   25
 |    |    |    |    |    |    |
+1   +1   +1   +1   +1   +1   +1
 ↓    ↓    ↓    ↓    ↓    ↓    ↓
 E    f    O    T    j    U    Z
 5    6   15   20   10   21   26
```
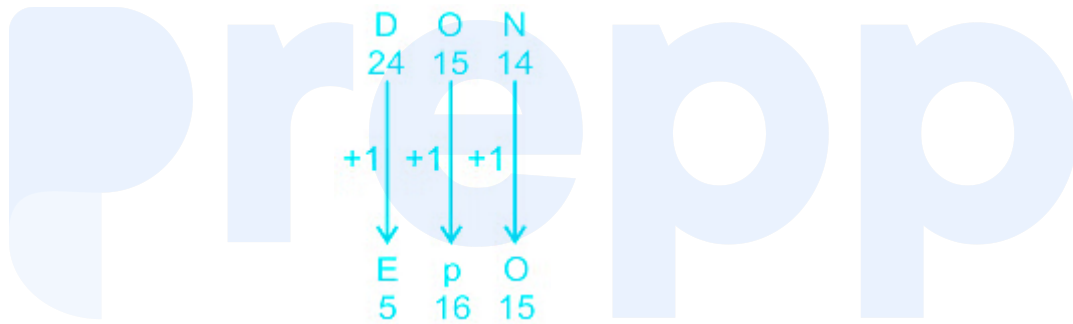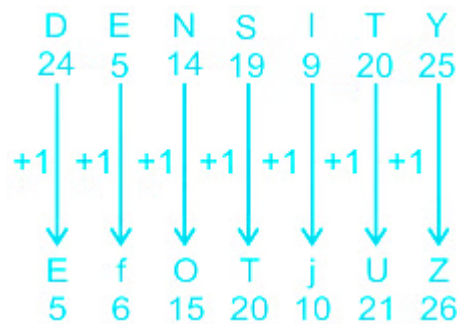
Hence, ' DENSITY ' is coded as "EfOTjUZ".

---

18. **Answer: a**

Explanation:

The image obtained when the paper is unfolded is,
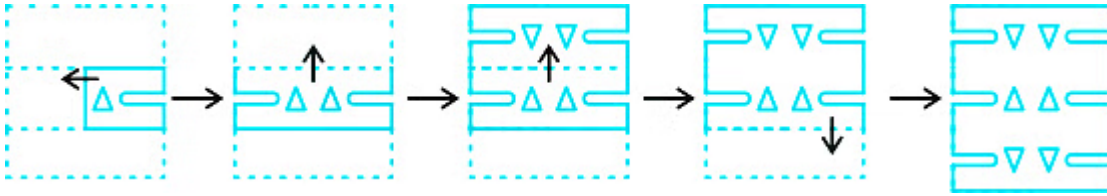
Hence, " option 1" is the correct answer.

---

19. Answer: a

Explanation:

Table show alphabet serial number –

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 is here,

1st alphabet place value - 2nd alphabet place value = 3rd alphabet place value

The pattern followed is,

```
    I    D    E
    9    4    5
    |    |    |
    ↓    ↓    ↓
    9  -  4  =  5

    R    D    N
    18   4    14
    |    |    |
    ↓    ↓    ↓
    18 -  4  =  14

    U    S    B
    21   19   2
    |    |    |
    ↓    ↓    ↓
    21  =  19  +  2
```

All follow the same pattern, except 'ZTG'.

Hence, "ZTG " is the odd one.

⭐ Alternate Method

 Table show alphabet serial number –

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 is here,

2nd alphabet place value + 3rd alphabet place value = 1st alphabet place value

The pattern followed is,

$$Z \quad\quad T \quad G$$
$$26 \quad\quad 20 \quad 7$$

$$\boxed{26 \neq 27} = 20 + 7$$

$$I \quad D \quad E$$
$$9 \quad 4 \quad 5$$

$$9 = 4 + 5$$

$$R \quad D \quad N$$
$$18 \quad 4 \quad 14$$

$$18 = 4 + 14$$

$$U \quad S \quad B$$
$$21 \quad 19 \quad 2$$

$$21 = 19 + 2$$
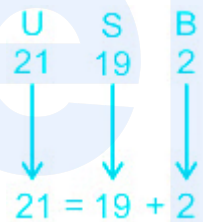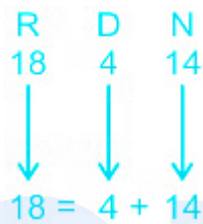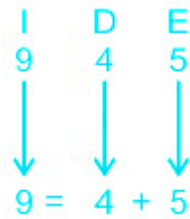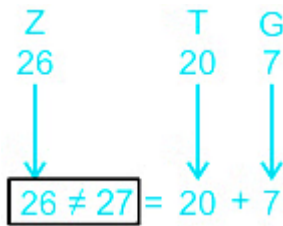
All follow the same pattern, except 'ZTG'.

Hence, "ZTG " is the odd one.

---

20. **Answer: c**

Explanation:

The Venn diagrams best represent the relationship between - Police, Males, Husbands are shown below:
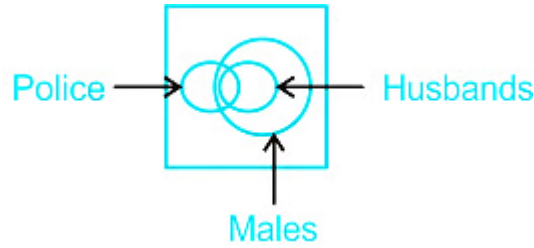
- All husbands are males.
- Some polices are males and some police are husbands

Hence, ' option 3' is the correct answer.

---

21. Answer: c

Explanation:

The pattern followed here is:
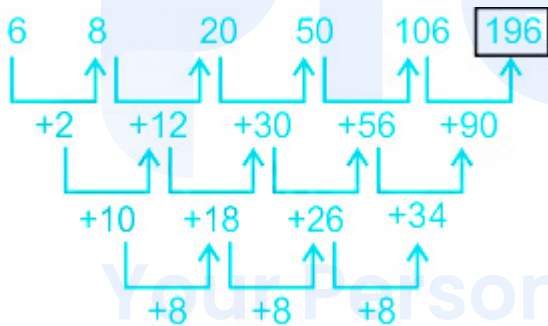
Hence, '196' is the correct answer.

---

22. Answer: b

Explanation:

Preparing the family tree using the following symbols,

Symbol in Diagram	Meaning
◯	Female
☐	Male
═	Married Couple
—	Siblings
|	Difference of A Generation

Given:

" Samaira is the daughter of my father's mother's only son, "

We can draw the following Family Tree from the information given above:

My fathers mother

My father

Me — My father's mother's only son's daughter (Samaira)
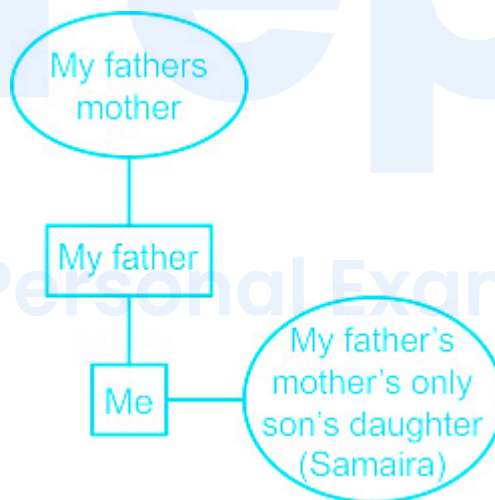
Hence, Samaira is my **"Sister"**.

---

23. **Answer: d**

Explanation:

Statements:

All fruits are flowers.

Some fruits are kiwis.

The least possible diagram for the given statements is as follows
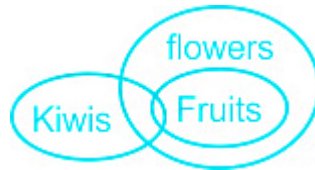
Conclusions:

I. Some flowers are kiwis → True (As all fruits are flowers and some fruits are kiwis so some flowers are also kiwis)

II. All kiwis are fruits → False (As in the statement given some fruits are kiwis so all kiwis are fruits is a possible statement but not definite)

Hence, "**Only conclusion I follows**" is the correct answer.

24. **Answer: d**

Explanation:

The logic followed here is:

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

1) Rhombus shape-shifted from upper left to lower right than from lower right to the upper left.

2) Rectangle shape-shifted from upper right to the upper left and upper left to lower right than from lower right to lower left.

3) The cross shape shifted from lower right to right middle and middle to the upper right than from upper right to lower middle.
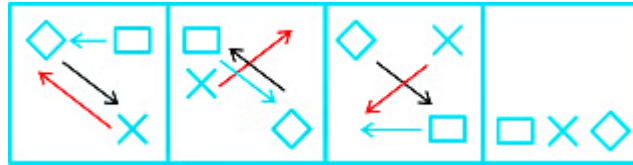
Final series is
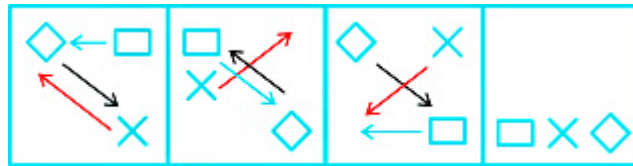
Hence, **'option 4'** is the correct answer.

---

25. **Answer: a**

Explanation:

The embedded part of this image is:
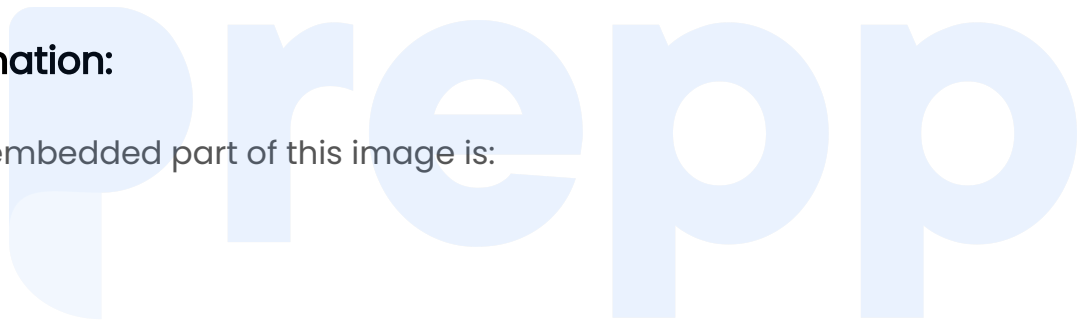
No.	Option	Question	Answer
1.			Embedded
2.			Not Embedded
3.			Not Embedded
4.			Not Embedded

Hence, option (1) is the correct answer.

26. Answer: a

Explanation:

The correct answer is Yemi Alade.

⭐ Key Points

- United Nations Development Programme (UNDP) was established in 1966.
- It helps countries to develop policies, leadership skills, and partnering abilities to build resilience to achieve the Sustainable Development Goals.

- Its mandate is to **end poverty and build democratic governance, rule of law, and inclusive institution** s.
- Its headquarter is located in **New York, USA** .
- As of August 2022, **Achim Steiner** is the UNDP Administrator.
- As of August 2021, **Padma Lakshmi** has been appointed as the **Goodwill Ambassador** of the United Nations Development Programme (UNDP).

⭐ Additional Information

- United Nations is an international organisation in **1945** .
- It has six important organs

1. General Assembly
2. Security Council
3. Economic and Social Council
4. Trusteeship Council
5. International Court of Justice
6. UN Secretariat

---

27. **Answer: a**

Explanation:

The correct answer is **23.**

⭐ Key Points

- **Chromosomes** reside inside the **nucleus** of cells.
- These are t **hreadlike structures** made of protein and a single molecule of **DNA.**
- It serves the purpose to carry the genomic information from cell to cell.
- A chromosome is a long DNA molecule with part or all of the genetic material of an organism.
- Most **eukaryotic chromosomes** include packaging proteins called histones which are aided by chaperone proteins.
- Together they bind and condense the DNA molecule to maintain its integrity.

⭐ **Additional Information**

- In humans, each cell normally contains **23 pairs of chromosomes** , for a total of 46.
- 22 of these pairs are known as **autosomes** having identical looks in both males and females.
- 23rd pair, the sex chromosomes, differ between males and females.
  - Females have two copies of the **X chromosome while males have one X and one Y chromosome.**

---

28. **Answer: b**

Explanation:

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

⭐ **Key Points**

- William Jones Cup is named in honour of basketball promoter **Renato William Jones.**
- He was the Founder of the **International Basketball Federation (FIBA).**
- **James Naismith** is called the father of Basketball.
- A traditional basketball team has **12 players,** with **five basketball players on the court** at any given time.

⭐ **Additional Information**

Sports	Cup associated	Founded yea r
Test cricket(Eng-Aus)	The Ashes	1882
Golf	Walker Cup	1922
Tennis(men)	Davis Cup	1900
Golf(men)	Ryder Cup	1927
Tennis men	Billi Jean King Cup	1934
Golf women	Solphin Cup	1990
World table tennis	Corbillion Cup	1933
Football (Asian Cup)	Merdeka Cup	1957
Badminton Cup	Sudirman Cup	
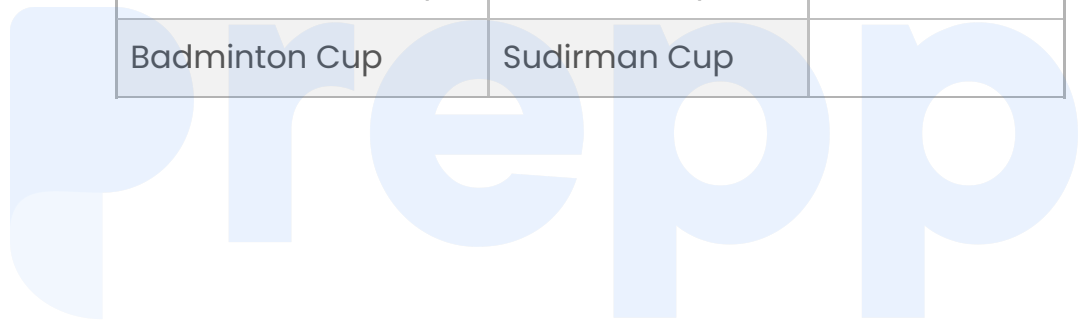
29. **Answer: a**

Explanation:

The correct answer is **ecological development**.

⭐ **Key Points**

- It is the process of environment conservation, modification, evolution and improvement by organisms.
- It is the idea which helps in sustaining life on earth.
- It tells how to use ecological resources without disturbing nature.

⭐ Additional Information

Social development	It is the welfare of every individual in society so they can achieve full development.
Social stability	It is the state or environment where people can live peacefully without any conflict and respectfully with each other.

30. **Answer: a**

Explanation:

The correct answer is Tripura.

⭐ **Key Points**

- Lebang Boomani Dance is also known as ' **Lebang Bumani.**
- Is an interesting **harvest dance form** .
- The dance movements of Lebang Boomani dancers portray the procedure of catching these **tiny insects with the aid of bamboo clappers.**
- Instruments include **Khamb, Flute, Sarinda and 'Pungi** 'in Lebang Boomani dance.

⭐ **Additional Information**

- Tripura (as of Aug 2022)
  - Capital- **Agartala** .
  - chief Minister- **Manik saha.**
  - Governor- **Satyadev Narayan Arya.**
  - Tripura is **surrounded by Bangladesh** on its north, south and west.

- Tripura is famous for its **cultivations ,tea plantations, beautiful gardens, toy trains** and much more.
- The main folk dances of Tripura are – the **Hozagiri dance ,Garia, Jhum.**

State	dance
Odisha	Dalkhi
Maharashtra	Lavani
Kerala	Kathakali

31. **Answer: a**

Explanation:

The correct answer is Haryana.

⭐ **Key Points**

- The Census is the **collecting, compiling, analyzing and disseminating of demographic, economic and social data** on basis of population.
- It is conducted by the Office of the **Registrar General and Census Commissioner, Ministry of Home Affairs** .
- Its significance is in providing **administration, planning, demarcation of constituency and policy-making** to the government.
- 1st census was conducted in **1872 by Viceroy Lord Mayo** .
- The population of the country as per the provisional figures of **Census 2011 is 1210.19 million** of which **623.72 million (51.54%) are males and 586.46 million (48.46%) are females.**
- The provisional figures of **Census 2011** were released in New Delhi today by Union Home Secretary **Shri G.K.Pillai and RGI Shri C. Chandramouli.**

⭐ Additional Information

- The sex ratio is the **number of females per 1000 males** in a given population of the country.
  - Census 2011 provides data on the sex ratio of various states.
  - Kerala has the **highest sex ratio (1084)** above 900.
  - Haryana has the **lowest sex ratio (877)** below 900.

⭐ Important Points

States	Chief Minister (As of August 2022)	Sex ratio as of Census 2011
Assam	Himanta Biswa Sarma	946
Jharkhand	Hemant Soren	948
Madhya Pradesh	Shivraj Singh Chouhan	931
Haryana	Manohar Lal Khattar	877

---

32. **Answer: d**

Explanation:

The correct answer is <u>ABBA</u>

⭐ <u>Key Points</u>

- **ABBA** formerly named **Bjorn & Benny** is a **Swedish** supergroup formed in Stockholm in 1972 by Agnetha Faltskog, Bjorn Ulvaeus, Benny Andersson, and Anni-Frid Lyngstad.
- The group's name is an acronym of the first letters of their first names arranged as a palindrome.
- One of the most popular and successful musical groups of all time they became one of the best-selling music acts in the history of popular music.
- Topping the charts worldwide from 1974 to 1983, and in 2021, they made comeback to the industry after forty years
- **Most popular and hit songs -** "Mamma Mia, SOS, Dancing Queen"

⭐ <u>Additional Information</u>

- **Rolling Stones** is an English rock band formed in London in1962. Its current members are **Mike Jagger, Keith Richards, and Ronnie Wood.**
- **Eagles** are an American rock band that was formed in **Los Angeles in** 1971. It has won six grammy awards.
    - Its present members include Don Henley, Joe Walsh, Timoty B Schmit, and Vince Gill.
- **Led Zeppelin** was an English rock band formed in London in 1968.
    - The group consisted of vocalist Robert Plant, guitarist Jimmy Page, bassist/keyboardist John Paul Jones, and drummer John Bonham.
    - With a heavy, guitar-driven sound, they are cited as one of the progenitors of hard rock and heavy metal.
    - Although their style drew from a variety of influences, including blues and folk music.

---

33. **Answer: c**

Explanation:

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

⭐ Key Points

- The Mauryan empire, in **ancient India** , was a state centered at **Pataliputra (later Patna).**
- It lasted from about **321 to 185 BCE** and was the first empire to encompass most of the Indian subcontinent.
- The Mauryan empire was **founded by Chandragupta Maurya.**
- The Mauryan Empire was the first pan-Indian empire, It covered most of the Indian region.

⭐ Additional Information

- **Kerala, Tamil Nadu, and parts of the Northeast** were the only parts that were not under Mauryan rule.
- **Kautilya** was the Prime Minister of the **Chandra Gupta, and Bindusara.**
- **Ashoka** the greatest ruler of the Mauryan Empire was the son of Bindusara.
- **Dhamma** is introduced by Ashoka.
- The Mauryan army was the **largest military** force of its time.
- Maurya Empire reached its **greatest territorial extent under Ashoka** the Great.
- One of the most important features of Mauryan art is the bright polish imparted to the stone surface which makes it shine and look impressive.
- Important kings of the Mauryan empire **, Chandra Gupta Maurya, Bindusara, and Ashoka.**

⭐ Important Points

- **Chola Dynasty** -The Chola Empire was founded by **Vijayalaya(848–871).**
- **Khusans Dynasty** -**Kujula Kadphises** [AD 30-AD 80) was a founder of the Khusans Dynasty.
- **Gupta Dynasty** -The Gupta dynasty was established by Shrigupta.
  - The **real founder** of the Gupta empire was **Chandragupta I** (AD 319–334).

---

34. **Answer: c**

Explanation:

The correct answer is <u>1968.</u>

⭐ <u>Key Points</u>

- The Open Era in tennis began in 1968 and allowed all players, amateur or professional, to compete at the four Grand Slam events.
- It is called as Open Era because the Grand Slam tournaments in 1968 agreed to allow professional players to compete alongside amateurs.
- Hence the events were "Open" to all players.
- 30th March 1968 is the key date in tennis history.
- On this date, Members from the International Tennis Federation gathered at the Automobile Club de France headquarters, to sign the Open era's birth certificate.

35. **Answer: a**

Explanation:

The correct answer is <u>1989</u>.

⭐ <u>Key Points</u>

- UNESCO World Heritage Site is allocated on the basis of **special cultural or physical significance** .
- 1st Heritage sites in India included **Ajanta Caves, Ellora Caves, Agra Fort, and Taj Mahal in the year 1983** .
- World Heritage Programme, administered by the UNESCO World Heritage Committee.
- UNESCO has started this programme to **protect and preservation of the cultural and natural heritage of outstanding value to humanity** .

⭐ <u>Additional Information</u>

- As of August 2022, **India has 40 UNESCO Heritage sites in India** .
  - Out of 40 Heritage sites, **32 are cultural, 7 are natural, and one, the Khangchendzonga National Park** , is a mixed heritage site

- India has nominated the **Hoysala temples of Belur, Halebid and Somnathapura in Karnataka** for inclusion in Heritage sites for 2022-23.

⭐ **Important Points**

Points about UNESCO

- It was formed in the year **1945** .
- Its headquarter is located in **Paris, France** .
- It is one of the **specialised agencies of the United Nation** .
- It works for **achieving peace and security** by promoting international collaboration through **educational, scientific, and cultural reforms** .
- India was one of the founding members.

---

36. **Answer: a**

Explanation:

The correct answer is <u>Cheque Truncation System</u>.

⭐ **Key Points**

- The Cheque Truncation System is the **process of stopping the flow of the physical cheque** issued by a drawer at some point by the presenting bank en route to the paying bank branch.
- In this system, an electronic image of the cheque is sent to paying bank to give information about the **MICR band, date of presentation, and presenting bank.**
- It reduces the **cost of movement, and time for collection and gives an efficient** way for cheque processing.

⭐ **Additional Information**

Banking term	Meaning
Corporate Trade Schedule	The day that is scheduled to be a Trading Day on the principal U.S. national or regional securities exchange or market on which the Common Stock is listed or admitted for trading.
Credit Transfer Statement	It is also called wire transfer in which the transfer of money takes place from one account to another.
Cash Transaction Scrutiny	It is where the detailed analysis of transactions of cash takes place.

37. **Answer: b**

Explanation:

The correct answer is **Agronomy.**

⭐ **Key Points**

- **Agronomy** is the branch that deals with principles and practices of Soil, Water, and Crop Management.
- It encompasses work in plant genetics, plant physiology, meteorology, and soil science.
- **Agronomy is applying a combination of sciences like biology, chemistry, economics, ecology, earth science, and genetics.**
- Agronomists today are involved with many issues including producing food, creating healthier food, managing the environmental impact of agriculture, and extracting energy from plants.
- Agronomists often specialize in crop rotation, irrigation and drainage, plant breeding, plant physiology, soil classification, soil fertility, weed control, and insect and pest control.

⭐ **Important Points**

- **Cytology** diagnoses illness or disease by examining a particular cluster of cells. It is mainly used to diagnose cancer or other infectious disease.
- **Anatomy** is used to study the structure of a body.
- It is a branch of biology that deals with the structural organization of living things.
- **Agrostology** is the scientific study of grasses.
- It is a branch of botany concerned with the study of grasses and more importantly their classification.

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38. **Answer: a**

Explanation:

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

Key Points

- The **ninth edition** of the International Sand Art Festival has begun at the **Chandrabhaga Beach of Konark** in Odisha's **Puri district.**
- **Sudarsan Pattnaik** , world-renowned sand artist and Padmashree Awardee, has been appointed as **Chief Curator of the festival.**

- Every year, the festival is celebrated with great fervour in the **first week of December.**
- The sand art Festival displays Spectacular sand art by skilful artists from India and around the world.

Additional Information

- World-recognised sand artists from Mexico, Spain, Singapore, France, Norway, Germany, Netherlands, etc.
- The theme of the 2020 event is ' **Environment and covid-19.**
- **70 artists from across India.**
- The International Sand Art Festival was **started in 2015** on Chandrabhaga beach, a short distance from Konark.
- **12th International Sand Art Festival,** 2022 scheduled to be held on **1st – 5th December 2022** at Chandrabhaga Beach near Konark, Dist. Puri, Odisha.

<u>Important Points</u>

- **About Odisha.**
  - Capital- **Bhubaneswar** .
  - Chief-Minister- **Naveen Patnaik**
  - Governor- **Raghubar Das**
  - Odisha is famous for its heritage sites and enthralling view

39. **Answer: a**

Explanation:

The correct answer is <u>1856.</u>

⭐ <u>Key Points</u>

- The Hindu Widows' Remarriage Act 1856 was passed on 16 July 1856.
- It legalized the remarriage of widows in all jurisdictions of India under East India Company rule.
- It was prepared by Lord Dalhousie and passed by Lord Canning prior to the Indian Rebellion of 1857.
- It was the first major social reform legislation to improve the condition of widows in India.
- It was enacted after the abolition of Sati pratha in 1829 by Lord William Bentinck.
- This act provided all the rights and inheritances to all the widows that they had at the time of their first marriage.

⭐ <u>Additional Information</u>

Other legislation safeguarding women's rights

- **The Hindu Succession Act, 1956** – The act provides women with the right and claim over parents property.
- **The Hindu Adoption and Maintenance Act, 1956** – Provides a childless woman with the right to adopt a child.
  - It also provides for a divorced woman with the right to claim maintenance from her husband.
- **Special Marriage Act, 1954** – It provides women with the rights to inter-caste marriage, and love marriage and is only permitted for girls above 18 years of age.
- **Dowry Prohibition Act, 1961** – It protects women from exploitation by declaring taking of dowry an unlawful activity.

- **The Hindu Marriage Act 1955** – The act provides women with equal rights to divorce and remarry. Also, the act prohibits polygamy, polyandry, and child marriage.

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40. Answer: d

Explanation:

The correct answer is <u>Narendra Modi</u>.

⭐ <u>Key Points</u>

- The author of the book 'Exam Warriors' is Narendra Modi.
- The book was published in the year 2018 and talk about the **young student deal with exam pressure** .
- Narendra Modi the Prime Minister of India (as of August 2022) has also written the following books-
    - **Letters to Mother, Jyotipunj and A Journey: Poems** .

⭐ <u>Additional Information</u>

- Bibek Debroy has been appointed as the **Chairman of the Economic Advisory Council to PM (EAC-PM)** , as of August 2022.

Authors	Books
Bibek Debroy	The Illustrated Ramayana: The timeless epic of duty, love, and redemption
Abhishek Manu Singhvi	From the Trenches
Vikram Seth	A suitable boy

---

41. Answer: b

Explanation:

The correct answer is __19 November__.

⭐ __Key Points__

- Women's Entrepreneurship Day is celebrated on __November 19 every year.__
- The day __started in 2014__ city of New york America.
- Women's Entrepreneurship Day was founded and implemented by __Pet Pioneer.__
- __144 nations overall recognized__ the first WED in 2014.
- The theme of 2022- is __Entrepreneurs of Bharat,__

⭐ __Additional Information__

- About WED(Women's Entrepreneurship Day)
  - Founder- __Wendy Diamond__
  - Type __Non-profit__
  - Purpose-Observing women's entrepreneurship on every day

⭐ __Important Points__

- __Some important day of November.__

Dates	Importance day
10 November	World science day
13 November	World kindness day
14 November	Children's day
21 November	World television day
26 November	Constitution day of India

42. **Answer: d**

Explanation:

Th e correct answer is<u>Vallabhbhai Patel</u>.

⭐ <u>Key Points</u>

- Khera satyagraha was the **third satyagraha led by Mahatma Gandhi** after Champaran and Ahemdabad.
- It was due to the failure of crops in **Khera, Gujarat** .
- The government refused to remit the revenue of farmers.
- Sardar Vallabhbhai Patel advised all the farmers of Kheda not to pay taxes.
- The movement ended with Government accepting farmers' demands by remitting their taxes.

⭐ <u>Additional Information</u>

- **Gandhiji 1st started its satyagraha** in the **Champaran** district of Bihar against the **forced Indigo farming by European** s.
- His 2nd satyagraha was in **Ahemdabad** to **increase the wages of workers by 35%** .
- Ahemdabad satyagraha was the 1st time Gandhiji adopted the **fast unto death satyagraha** .

⭐ <u>Important Points</u>

Important Satyagraha	Aim	Year
Non-Cooperation Movement	Boycott of British Titles and Goods and Promotion of Swadeshi.	1920 to 1922
Civil Disobedience Movement	Abolition of the salt tax.	1930 to 1932
Quite India movement	To end British rule in India	1942

43. Answer: b

Explanation:

The correct answer is<u>Dronacharya Award</u>

⭐ <u>Key Points</u>

- The Dronacharya Award is given to **coaches as recognition for their contribution** .
- To a particular sport or for their role in an athlete's rise to the top.
- It is handed out on National Sports Day – **celebrated on August 29,** the legendary Dhyan Chand's birthday.
- The Dronacharya award is named after the mythical **character Drona.**
- Who taught the art of warfare to the Kauravas and Pandavas – the protagonists of the Hindu epic Mahabharata.

⭐ <u>In News</u>

- **Dronacharya Award 2022:**
    - The Dronacharya Award for outstanding coaches in the Sports and Games Regular category went to Jiwanjot Singh Teja in Archery and Mohammad Ali Qamar in Boxing .
    - The same award also went to Suma Siddharth Shirur (Para Shooting) and Sujeet Maan (Wrestling) .
    - The Dronacharya Award in the lifetime category for his contributions: Dinesh Jawahar Lad (Cricket), Bimal Prafulla Ghosh (Football), and Raj Singh (Wrestling) .

⭐ <u>Important Points</u>

- **Major Dhyan Chand Khel Ratna Award'** is given for the spectacular and most outstanding performance in the field of sports.
- **The Rajiv Gandhi Khel Ratna Award,** is officially known as the Major Dhyan Chand Khel Ratna Award.
- **Arjuna Award** is one of the famous sports awards given to individuals for their exemplary performance in various sports.

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44. **Answer: b**

Explanation:

The correct answer is **2018.**

⭐ **Key Points**

- India's **first central sports university** is situated in Imphal. imphal is the capital of Manipur.
- Prime Minister Narendra Modi laid its foundation stone.
- It was done on **March 16, 2018.**
- It is the only **Central University** in India, which focuses on **Sports Education.**
- Courses offered by this university are Bachelor of Physical Education & Sports, B.Sc., M.Sc., and M.A.
- The University is presently functional from its temporary campus at the Khuman Lampak Sports Complex of Imphal.
- Other details of national **Sports University-**
  - **Type -** Central University
  - **Established -** 2018
  - **Vice-Chancellor -** Shree R. C. Mishra
  - **Affiliations-** University Grant Commission
  - **Objective-** Promoting sports education in the area of Sports Sciences, Sports Technology, Sports Management, and Sports Coaching.

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45. **Answer: d**

Explanation:

The correct answer is **5.8%.**

⭐ **Key Points**

- The defence expenditure of is increased by 5.8% as compared with the previous year's budget.
- In the union budget of India 2020, the largest allocation is given to the defence sector.

- The Ministry of Defence received an allocation of Rs 4,71,738 crore which is 15% of the total budget expenditure of the Central Government.
- It is 2.1% of India's estimated GDP for 2020-2021.

⭐ Additional Information

- The union budget was introduced by Finance Minister Nirmala Sitharaman on 1st February 2020.
- It is also referred to as the annual financial statement in Article 112 of the Constitution of India.
- The budget has 3 themes: Aspirational India, Economic Development, and Caring Society.
- The Defence Budget for the financial year 2022-23 is Rs 5,25,166 crore. This is an increase of Rs 46,970 crores over last year's Rs 4,78,196 crore.
- It is an increase of 9.8 per cent compared to the previous year.
- However, keeping the threat perceptions along the borders, the important capital outlay has been raised by more than 10 per cent for the second consecutive year."

46. **Answer: a**

Explanation:

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

⭐ Key Points

- **Zoology** is the scientific study of the **structure, nature and ecological distribution of animals** .
  - It includes the interaction of animals with the ecosystem.
  - It provides classification, evolution, behaviour and habitat of animals.
- **Aristotle** coined the term zoology and was also **called the father of zoology** .

⭐ Additional Information

Biological Term	Definition	Founding Father
Botany	It is the branch of biology that deals with scientific study of plant structure, ecology, distribution, classification, and evolution.	Theophrastus
Saurology	It is a scientific study of lizard behaviour, evolution and classification.	James McCartney
Ethnology	It is the study of the human race, social behaviour, and comparison between people.	Jaap Kunst

47. Answer: d

Explanation:

The correct answer is **Maharashtra**.

⭐ Key Points

- **Uttar Pradesh** has the highest number of seats in Lok Sabha followed by Maharashtra.
- **Maharashtra** has **48** representatives in Lok sabha, **as of August 2022** .
- The seats in Lok Sabha are distributed in accordance with the **proportion of the population of states** .
- States are divided into small constituency from which each candidate get elected directly by the people to the Lok Sabha.

⭐ Additional Information

- Lok Sabha is also called the **House of People or Lower house or 1st Chamber** .
- The maximum strength of Lok Sabha is **550 and the current strength is 543 out of which 530 are representative of states and 13 from UT** .
- Representatives of Lok Sabha are directly elected by the people.
- It is not continuing house and is subject to dissolution.

- **The Council of ministers** headed by the **Prime Minister is responsible for Lok Sabha only** .

⭐ Important Points

About	Lok Sabha	Rajya Sabha
Composition	The maximum strength is 550.	The maximum strength is 250.
Function	To represents the people of India's views and make laws according to their demands.	To represents the interest of states and UTs.
Power	It controls the Council of Ministers and has the power to introduce Money Bill.	Any matter that affects the States must be referred to it for its consent and approval.
Qualification	She or He should be not less than 25 years of age to get elected.	She or He should be a citizen of India and at least 30 years of age to get elected.

48. **Answer: b**

Explanation:

The correct answer is **Quarrying.**

⭐ **Key Points**

- Minerals that lie near the surface are simply dug out, by the process known as **Quarrying.**
- A quarry is a type of open pit mine in which dimension stone, rock, construction aggregate, sand, gravel, or slate is excavated from the underground.
- **Quarrying** is the process of removing rocks, sand, or minerals from the ground in order to use them for construction or other uses.

⭐ **Important Points**

- Petroleum and natural gas occur far below the earth's surface. Deep wells are bored to take them out, this is called **Drilling.**
- Deep bores, called shafts, have to be made to reach mineral deposits that lie at great depths. This is called **S haft Mining.**
- Minerals that lie at shallow depths are taken out by removing the surface layer; this is known as **Open-Cast Mining.**

---

49. Answer: d

Explanation:

The correct answer is <u>Hiranya-garbha.</u>

⭐ <u>Key Points</u>

- Hiranyagarbha ritual was performed with the help of Brahmin to declare the king as Kshatriya, even if he is not one by birth.
- When this ritual was performed, it was thought to lead to the "rebirth" of the sacrifice as a Kshatriya, even if he is not one by birth.
- This ritual was prominent among the kings in mid-7th and 8th centuries.
- Samavaj-Tana
    - It is also known as the "Snana" ritual. Samavartana generally means graduation.
    - It is a ceremony performed by the students at the end of their studentship.
    - It marks the end of the education course.
    - It is similar to present-day convocation or felicitation ceremony.
- Upanayana
    - It is a Hindu ritual, particularly for boys of the Brahmin community.
    - In this ceremony, Brahmin boys wear sacred thread for the first time.
- Medhajanana
    - Medhajanana ritual is performed to evoke divine help in the sharpening of the intelligence, memory, and tenacious power of the student.
    - A student would become a scholar and a responsible man if he acts up to the symbolism and suggestions of this ritual.

- Medhajanana is the production of intelligence in a baby. This rite is performed the very next day after the birth of a baby.

---

50. Answer: d

Explanation:

The correct answer is **July-June.**

⭐ **Key Points**

- After **8 decades** the accounting year was changed by the Reserve Bank of India.
- The RBI would be able to provide **better estimates of the projected surplus transfers** to the government for the financial year for budgeting purposes
- RBI Have **more time** after this accounting year changed.
- An accounting year is an **annual financial reporting period i** n which RBI organizes its financial data.
- Bimal Jalan's panel recommended these changes.

⭐ **Additional Information**

- **About RB** I
    - The central bank issues and regulates currency notes.
    - Founded - **1 April 1935(Kolkata)**
    - Founder -**British Raj**
    - Headquarters- **Mumbai**
    - Ownership- **Ministry of Finance, Government of India** .
    - Current-Governor- **ShaktiKanta Das(25th)**
    - **Sir Osborne Smith** was the first Governor of RBI.
    - **C.D Deshmukh** was the first Indian Governor of RBI.

---

51. Answer: b

Explanation:

Formula:

SI = $\frac{P \times R \times T}{100}$

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

CI = A − P

where−

P = Principal

SI = Simple Interest

R = Rate

T = Time

CI = Compound Interest

A = Amount

Calculation:

Let the sum lent be 100.

⇒ Amount after 3 years at 5% compounding = 100 × $\left(1 + \frac{5}{100}\right)$ 3 = 115.7625

Actual Sum = 100 × $\frac{9261}{115.7625}$ = Rs 8000

⇒ Interest on the actual sum for $3\frac{3}{4}$ years at 5% SI = $\frac{8000 \times 5 \times \frac{15}{4}}{100}$ = Rs 1500

∴ The simple interest on the sum is Rs 1500.

52. Answer: d

Explanation:

Given:

Invalid vote percentage = 19%

Total votes= 15,000

The ratio of votes between Seema and Geeta = 4 : 5

Calculation:

Invalid votes = 19 %

⇒ Total valid votes = 100 − 19% = 81%

Let the common ratio be "a".

⇒ Votes of Seema and Geeta are 4a and 5a respectively.

Difference of the votes = 5a − 4a = a

∴ Actual difference of the votes = $\frac{a}{9a}$ × $\frac{81}{100}$ × 15,000 = 1350

∴ **The total difference of the votes is 1350.**

53. Answer: b

Explanation:

Concept:

If x is the HCF of a given pair of numbers, then it should be a factor of all the numbers present in the set.

Calculation:

HCF of 328, 451, and 697 = 41

Thus, it becomes apparent that the value of "x" lies between 40 and 44.

∴ **The answer is 40 and 44.**

---

54. Answer: a

Explanation:

Formula:

D = S × T, where

D = Distance

S = Speed

T = Time

$S_{avg} = \frac{S_1 S_2}{S_1 + S_2}$, where

S_1 and S_2 are the speeds during journey from A to B and B to A respectively.

Calculation:

Substituting the values of S_1 and S_2 to find S_{avg} -

⇒ $S_{avg} = \frac{90 \times 75}{90 + 75} = \frac{450}{11}$ km/hr

Substituting the value of "S_{avg}" and "time" to find the distance-

⇒ $D = \frac{450}{11} \times 14\frac{2}{3} = \frac{450}{11} \times \frac{44}{3} = 600$ km

The total distance between A and B is 600 km.

---

55. Answer: b

Explanation:

Formula:

$$\frac{SP_1}{(100+G_1)} = \frac{SP_2}{(100+G_2)}, \text{ where}$$

SP_1 and SP_2 are the selling prices.

G_1 and G_2 = Gain percentage

Calculation:

According to the question-

$$\Rightarrow \frac{157.5}{(100+12.5)} = \frac{147}{(100+G)}$$

$$\Rightarrow \frac{7}{5} = \frac{147}{(100+G)}$$

$$\Rightarrow 700 + 7G = 735$$

$$\Rightarrow 7G = 35$$

$$\Rightarrow G = 5\%$$

∴ The gain percentage is 5%.

⭐ Additional Information

We have arbitrarily assumed that the gain would be incurred on the transaction. Alternatively, we could assume that the transaction results in a loss and we would get the same result.

---

56. Answer: c

Explanation:

Calculation:

Let the cost per kg of wheat initially be "a".

∴ New cost per kg of wheat = (1 - 0.125) × a = 0.875a

Total wheat bought initially = $\frac{280}{a}$

Total wheat bought under reduced price = $\frac{280}{0.875a}$

According to the question-

$\Rightarrow \frac{280}{0.875a} - \frac{280}{a} = \frac{5}{2}$

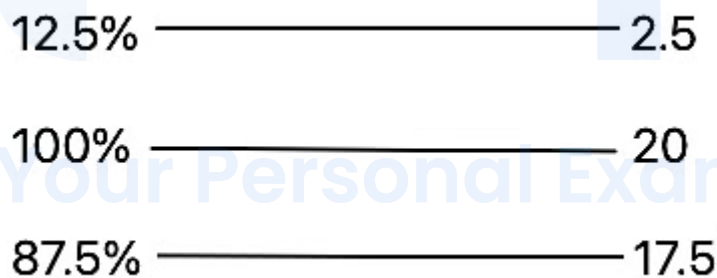$\Rightarrow \frac{280}{a} \times \left(\frac{1}{0.875} - 1 \right) = \frac{5}{2}$

$\Rightarrow a = 280 \times \frac{2}{5} \times \frac{1}{7} = $ Rs 16

∴ Total wheat bought under reduced price = $\frac{280}{16}$ = 17.5 kg

17.5 kg of wheat was bought initially.

⭐

<u>Alternate Method</u>According to the question-

Hence, 17.5 kg of wheat was bought at the reduced price.

---

57. Answer: b

Explanation:

Formula:

SI = (P x R x T) / 100

Where-

P = Principal amount

R = Rate

T = Time

SI = Simple Interest

Calculation :

Let the time and rate of interest be "t".

According to the question-

$\Rightarrow 5,832 = (7,200 \times t \times t) / 100$

$\Rightarrow t^2 = 5,832 / 72$

$\therefore t = 9$

$\therefore$ The rate of interest is 9%.
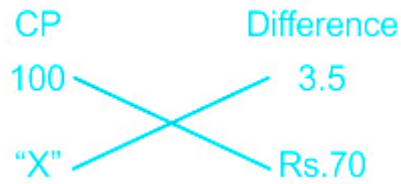
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58. Answer: c

Explanation:

Calculations:

Let the cost price be Rs 100.

SP for 10.5% profit = Rs 100 + 10.5 = Rs 110.5

SP for 14% profit = Rs 100 + 14 = Rs 114

Difference in profit = Rs 114 - Rs 110.5 = Rs 3.5

$$\Rightarrow x = \frac{70 \times 100}{3.5} = \text{Rs } 2000$$

∴ Initial selling price of the suit = 1.105 × Rs 2000 = Rs 2210

∴ The initial price of the suit is Rs 2210.

---

59. Answer: d

Explanation:

Concept:

B = Bar/Bracket

O = Off

D = Division

M = Multiplication

A = Addition

S = Subtraction

Calculation:

$\Rightarrow 72 \div 16 \text{ of } 3 - [28 \div 6 \text{ of } 4 - 20 \div 7 \times (23 - 37) - 41] \times 1\frac{1}{2}$

$\Rightarrow 72 \div 16 \text{ of } 3 - [28 \div 6 \text{ of } 4 - 20 \div 7 \times (-14) - 41] \times 1\frac{1}{2}$

$\Rightarrow 72 \div 16 \text{ of } 3 - [28 \div 24 - 20 \div 7 \times (-14) - 41] \times 1\frac{1}{2}$

$\Rightarrow 72 \div 16 \text{ of } 3 - [\frac{28}{24} - \frac{20}{7} \times (-14) - 41] \times 1\frac{1}{2}$

$\Rightarrow 72 \div 16 \text{ of } 3 - [\frac{7}{6} - 20 \times (-2) - 41] \times \frac{3}{2}$

⇒ 72 ÷ 16 of 3 − [$\frac{7}{6}$ + 40 − 41] × $\frac{3}{2}$

⇒ 72 ÷ 16 of 3 − [$\frac{7}{6}$ − 1] × $\frac{3}{2}$

⇒ 72 ÷ 16 of 3 − $\frac{1}{6}$ × $\frac{3}{2}$

⇒ 72 ÷ 48 − $\frac{1}{6}$ × $\frac{3}{2}$

⇒ $\frac{72}{48}$ − $\frac{1}{6}$ × $\frac{3}{2}$

⇒ $\frac{3}{2}$ − $\frac{1}{4}$

⇒ $\frac{5}{4}$

The answer to the equation is $\frac{5}{4}$.

---

60. **Answer: b**

Explanation:

Formula:

$\frac{M_1 \times D_1}{W_1}$ = $\frac{M_2 \times D_2}{W_2}$, where

M 1 and M 2 = Number of men working for time D 1 and D 2.

D 1 and D 2 = Total time for which M 1 and M 2 worked respectively.

W 1 and W 2 = Work done.

Calculations:

Total time for which 7 men worked = 6 × 7 = 42 hours

Let the days for which 14 men have to work be "b".

⇒ Total time for which 14 men would have to work = b × 9 = 9b

Substituting the values, we get-

$\Rightarrow \frac{7 \times 42}{14} = \frac{14 \times 9b}{18}$

$\Rightarrow$ 7b = 21

$\therefore$ b = 3

$\therefore$ 14 men would have to work for 3 days.

61. Answer: b

Explanation:

Formula:

Sum = Average × Total num

Calculation:

Sum of 37 numbers = 49 × 37 = 1,813

Sum of first 21 numbers = 21 × 43.8 = 919.8

Sum of last 17 numbers = 17 × 55.6 = 945.2

Total sum of 38 numbers = 919.8 + 945.2 = 1,865

Difference i.e., 21 th number = 1,865 – 1,813 = 52

Sum of the numbers excluding 21st number = 1813 – 52 = 1,761

Average = 1,761 / 36 = 48.9 (approximated to one decimal place).

$\therefore$ The average of the remaining numbers is 48.9.

62. Answer: a

Explanation:

Formula:

Average = Sum of the numbers ÷ Total numbers

Calculation:

According to the question-

$$\Rightarrow \frac{A+B+C+D+E}{5} - \frac{B+C+D+E+F}{5} = 26$$

$$\Rightarrow \frac{A+B+C+D+E-B-C-D-E-F}{5} = 26$$

$$\Rightarrow \frac{A-F}{5} = 26$$

$$\therefore A - F = 26 \times 5 = 130$$

The difference between A and F is 130.

---

63. **Answer: b**

Explanation:

Calculation:

LCM of 2, 3, and 4 = 12

On multiplying the ratio by 12, we get-

$$\Rightarrow \frac{1}{2} \times 12 : \frac{2}{3} \times 12 : \frac{3}{4} \times 12$$

$$\Rightarrow 6 : 8 : 9$$

$$\therefore \text{First part} = \frac{6}{(6+8+9)} \times \text{Rs } 644 = \text{Rs } 168$$

The first part is Rs 168.

---

64. **Answer: d**

Explanation:

Calculation:

Let the common ratio be "a".

⇒ The numbers "x" and "y" are 4a and 7a respectively.

According to the question-

⇒ $\frac{4a+6}{7a-7} = \frac{3}{4}$

⇒ 4 × (4a + 6) = 3 × (7a - 7)

⇒ 16a + 24 = 21a - 21

⇒ 24 + 21 = 21a - 16a

⇒ 45 = 5a

∴ a = 9

Difference between "y" and "x" = 7a - 4a = 3a

⇒ Difference = 3 × 9 = 27

The difference is 27.

---

65. **Answer: d**

Explanation:

Formula:

CSA = 2πrh

Area of the base = πr^2, where-

CSA = Curved Surface Area

r = radius of cylinder

h = height of cylinder

Calculation:

Substituting the value of CSA in the equation to find the radius-

$\Rightarrow 2 \times \frac{22}{7} \times r \times 14 = 176$

$\Rightarrow r = (176 \times 7) \div (2 \times 22 \times 14) = 2$ cm.

Substituting the value of "r" in the Area of the base equation-

$\Rightarrow$ Area of the base = $\frac{22}{7} \times 2 \times 2 = \frac{88}{7}$ cm 2 .

$\therefore$ The Area of the base of the cylinder is $\frac{88}{7}$ cm 2

66. Answer: b

Explanation:

Given:

Savings = 28% of expenditure

Increase in savings = 30%

Increase in expenditure = 25%

Formula:

Income = Savings + Expenditure

Calculation:

Let income be Rs 100.

$\Rightarrow$ Savings = Rs 28

According to the question-

$\Rightarrow 12,705 = 10,500 \times \left(1 + \frac{x}{100}\right)2$

$\Rightarrow \frac{12,705}{10,500} = \left(1 + \frac{x}{100}\right)2$

$\Rightarrow \left(\frac{11}{10}\right)^2 = \left(1 + \frac{x}{100}\right)2$

Taking square root both sides, we get-

$\Rightarrow 1 + \frac{x}{100} = \frac{11}{10}$

$\Rightarrow \frac{x}{100} = \frac{1}{10}$

$\therefore x = 10\%$

New interest rate semiannually = $\frac{2x}{2}$ = 10 % semiannually.

Time (semiannual basis) = $\frac{3}{2} \times 2 = 3$ semiannual times

$\therefore$ New amount = $10,500 \times \left(1 + \frac{10}{100}\right)3$= Rs 13,975.5

The amount is Rs 13,975.50

---

68. **Answer: b**

Explanation:

Formula :

SP = MP × (1 – D%), where-

MP = Marked Price

SP = Selling Price

D% = Discount Percentage

Calculation:

Let the cost price be Rs 100.

$\Rightarrow$ MP = $\left(1 + \frac{45}{100}\right) \times 100$ = Rs 145

According to the question-

SP = $145 \times \left(1 - \frac{40}{100}\right)$ = Rs 87

$\therefore$ Net decrease in the price = Rs 87 - Rs 100 = -Rs 13

$\therefore$ The shopkeeper gets Rs 13 less.

⭐ Additional Information

The negative sign in the answer is for representational purposes. The presence of the negative sign shows that the shopkeeper sold the product at a cost lesser than the original cost i.e., incurred a loss.

69. **Answer: b**

Explanation:

Formula:

Efficiency = Total work done/ total time taken

Calculation:

Let the volume of the tank be LCM of 5, 10, 15, and 18 = 90 units

Efficiency of A = 90/10 = 9 units/hr

Efficiency of B = 90/15 = 6 units/hr

Efficiency of C = 90 /18 = 5 units/hr

$\Rightarrow$Total volume filled by A and C in 5 hours = $(9 + 5) \times 5$ = 70 units

Remaining volume = 90 units - 70 units = 20 units

Total volume filled by B and C in 1 hour = 6 + 5 = 11 units/hr

⇒ Time taken to fill the remaining volume by B and C together = $\frac{20}{11}$ = $1\frac{9}{11}$ hours

∴ Time taken to fill the complete tank = 5 + $1\frac{9}{11}$ = $6\frac{9}{11}$ hours

∴ The total time taken to fill the tank completely is $6\frac{9}{11}$ **hours**

---

70. **Answer: b**

Explanation:

Formula:

LCM × HCF = One number × Other number

Calculation:

Let us assume HCF be "h".

According to the question, LCM = 13h

Sum of LCM and HCF = 252

∴ 13h + h = 252

⇒ h = $\frac{252}{14}$ = 18

Substituting the value of h, to find LCM

⇒ LCM = 13 × 18 = 234

Using LCM × HCF = One number × Other number

⇒ 18 × 234 = 54 × Other Number

⇒ Other number = 18 × 234 ÷ 54 = 78

The other number is 78.

71. **Answer: a**

Explanation:

Formula:

D = S × T, where

D = Distance traveled

S = Speed

T = Time taken

Calculation:

Time in hours = $3\frac{48}{60}$ = $3\frac{4}{5}$ = $\frac{19}{5}$ hours

Let the distance be "d".

Time taken for walking at 3 km/h = $\frac{d}{3}$

Time taken for walking at 4 km/h = $\frac{d}{4}$

Time taken for walking at 5 km/h = $\frac{d}{5}$

Time taken for walking at 6 km/h = $\frac{d}{6}$

Total time taken = $\frac{d}{3}$ + $\frac{d}{4}$ + $\frac{d}{5}$ + $\frac{d}{6}$ = $\frac{57d}{60}$

According to the question-

⇒ $\frac{57d}{60}$ = $\frac{19}{5}$

⇒ d = $\frac{60 \times 19}{57 \times 5}$ = 4 km

∴ Total distance traveled = 4d = 4 × 4 = 16 km.

∴ The total distance is 16 km.

72. Answer: d

Explanation:

Formula:

L = CP - SP, where

L = Loss

CP = Cost Price

SP = Selling Price

Calculation:

Let the selling price of sugar be "a" per kg.

∴ Total selling price = 35a

According to the question-

⇒ 1470 - 35a = 5a

⇒ 1470 = 35a + 5a

∴ a = 1470 ÷ 40 = Rs 36.75

⇒ Selling price of 8 kg sugar = 8 × Rs 36.75 = Rs 294

The selling price of 8 kg sugar is Rs 294.

73. Answer: c

Explanation:

Calculation:

According to the question-

$\Rightarrow A = \frac{3B}{7}$

$\Rightarrow C = \frac{75}{100} \times \frac{3B}{7} = \frac{9B}{28}$

$\therefore$ Share of C = $\frac{\frac{9B}{28}}{\frac{3B}{7}+B+\frac{9B}{28}}$ × Rs 980

$\Rightarrow$ Share of C = $\frac{9B}{28} \times \frac{28}{49B}$ × Rs 980 = Rs 180

The share of C is Rs 180.

---

74. Answer: d

Explanation:

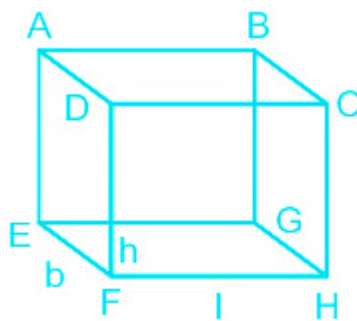**Formula:**

V = lbh, where

V = volume of the cuboid

l, b, and h are the sides of the cuboid respectively.

Concept:

In the figure above, three coterminous sides (highlighted in bold color) are faces ADEF, ABCD, and ABEG

From the figure-

⇒ Area of ADEF = b × h = bh

⇒ Area of ABCD = l × b = lb

⇒ Area of ABEG = l × h = lh

∴ Product of the area of coterminous faces = bh × lb × lh = $l^2b^2h^2$ = $(lbh)^2$

Taking the square root of the product = lbh = volume of the cuboid

Calculation:

Product of the area of coterminous faces = 5 cm^2 × 16 cm^2 × 20 cm^2 = 1600 cm^6

Volume of the cuboid = $\sqrt{(1600 \text{ cm}^6)}$ = 40 cm^3

The volume of the cuboid is 40 cm 3

---

75. **Answer: a**

Explanation:

Concept:

B = Bar/Bracket

O = Off

D = Division

M = Multiplication

A = Addition

S = Subtraction

Calculation:

$9\frac{4}{15} \div \frac{7}{8}$ of $\left(6\frac{1}{5} + 3\frac{2}{5}\right) - \left(\frac{2}{21} + \frac{1}{126}\right)$

$\Rightarrow \frac{139}{15} \div \frac{7}{8}$ of $\left(\frac{48}{5}\right) - \left(\frac{13}{126}\right)$

$\Rightarrow \frac{139}{15} \div \frac{42}{5} - \frac{13}{126}$

$\Rightarrow \frac{139}{15} \times \frac{5}{42} - \frac{13}{126}$

$\Rightarrow \frac{139}{126} - \frac{13}{126}$

$\Rightarrow \frac{126}{126} = 1$

∴ The answer to the equation is 1.

76. Answer: c

Explanation:

The correct answer is **"to stop working"**.

⭐ Key Points

- **To give up the ghost** means **to stop trying to do something because you know that you will not succeed.**
  - *Example: In a meaningful relationship you will never give up the ghost.*
- From the given **meaning** of the **given idiom** and the example sentence, we are sure that the correct answer is **option 3.**

77. Answer: d

Explanation:

The erroneous spelling is **'Vegeteble'**.

⭐ Key Points

- The **correct spelling** and the meaning of the **marked option** :
- **Vegetable** :a plant or part of a plant that we eat.

- **Example:** Potatoes, beans, and onions are vegetables.
  - Thus, the correct answer is **option 4.**

⭐ <u>Additional Information</u>

- All the given options are **correctly spelled** . Let's see their **meanings** :
- **Drainage:** a system used for making water, etc. flow away from a place.
- **Opening** : a space or hole that somebody/something can go through.
- **Spoonful** : the amount that one spoon can hold.

---

78. **Answer: c**

Explanation:

The erroneous spelling is 'Pretious'.

⭐ <u>Key Points</u>

- Let's look at the **correct spelling** and meaning of the **marked option:**
- **Precious** : of great value (usually because it is rare or difficult to find).
  - *Example: Love is the most **precious** feeling.*
- All other words are **correctly spelled** ; let's **discuss them** :
- **Sumptuous:** very expensive and impressive; lavish.
- **Prosperous** : rich and successful.
- **Pompous** : exaggeratedly or ostentatiously dignified or self-important.
- Thus, the correct answer is **option 3.**

---

79. **Answer: d**

Explanation:

The correct answer is **"anxious".**

⭐ <u>Key Points</u>

- Let's understand the meaning of the **four given options** for choosing the **most appropriate word** :
- **Impatient** : having or showing a tendency to be quickly irritated or provoked.
- **Eager** : strongly wanting to do or have something.
- **Intense** : existing or occurring to a high or extreme degree.
- **Anxious** : worried and nervous.
- From the **given options** and after understanding the context of the given sentence, Radha was extremely **worried** about the welfare of her parents.
- The most appropriate word to be filled in the blank is **Anxious** which is similar in meaning to worried as stated above.
- Thus, the correct answer is **option 4.**

80. Answer: a

Explanation:

The correct answer is **"All the mangoes are sweet".**

⭐ **Key Points**

- Let us see about the **'Subject-Verb Agreement'** .
    - **Subjects** and **verbs** must agree with one another in number .
    - Thus, if a **subject** is singular, its verb must also be singular.
    - If a **subject** is plural, its verb must also be **plural.**
    - In this question, **'is'** has been used after **'mangoes'** which is wrong.
    - As **'mangoes'** is a **'plural noun',** therefore **'plural verb'** should be used with it.
    - Therefore, an error is present in the **'underlined part '** of the sentence.
- Hence, **'is'** present in this part of the sentence should be replaced by **'are'.**
- Thus, the correct answer is **option 1.**

81. Answer: a

Explanation:

The correct answer is **"Abandon".**

⭐ Key Points

- Let us see the meaning of **Defend.**
- **Defend:** to prevent something from failing, stopping, or being taken away, uphold, to say things to support someone or something that is being criticized.
- Let's understand the meaning of **the marked option** :
- **Abandon:** to give up completely, or to stop looking after someone.
  - **Example** : The air bombings forced the natives to **abandon** their homes.
- From the given meaning and the example of the given word, we are sure that the marked option is the opposite in meaning of the given word **'Defend'.**
- Thus, the correct answer is **option 1.**

⭐ Additional Information

- Let's understand the **meaning** of the given other **options** :
- **Tarnish** : to become or to make something less bright and shiny.
- **Adjourn** : to put off or suspend until a future time.
- **Derange:** to disturb the order or arrangement of; throw into disorder.

82. **Answer: d**

Explanation:

The correct answer is: **are attended** .

⭐ Key Points

- The given context is in the **present indefinite tense** .
- The use of 'regularly' in the sentence hints at the fact that the sentence is in the present indefinite tense.

- The helping verb **'are'** can never be followed by a **V3** form of verb. It must always be followed by the 'ing' form of verb (in the active voice).
  - For example: They are going to the station.
- Hence, in this context, the use of 'are attended' is incorrect.
- It must be replaced by 'attend'.

Therefore, the correct answer is: These children **attend** yoga classes regularly.

---

83. Answer: d

Explanation:

The correct answer is **'Pedestrian'.**

⭐ Key Points

- Let us see the meaning of the marked option:
  - **Pedestrian:** a person who goes or travels on foot.
    - **Example:***Pedestrian accidents are still relevant in the news today.*
- With the given meaning and example ,the correct **one-word substitution** for the given sentence *is 'Pedestrian'.*
- *Therefore, the correct answer is* **option 4.**

---

84. Answer: d

Explanation:

The correct answer is 'Not breathe a word'.

⭐ Key Points

- Let's understand the meaning of the **given idiom** :
- **Not breathe a word:** Not reveal a secret, keep concealed, to not tell anyone about something.
  - *Example : I promised her that I* ***wouldn't breathe a word*** *of this to anyone.*

- From the example sentence and the meaning of the given idiom, we are sure that it means **to remain silent about some secret.**
- The correct answer is **option 4.**

---

85. Answer: d

Explanation:

The correct answer is **"Combination"** .

⭐ **Key Points**

- Let us **explore** the **given options** :
- **Comprehension** : is the ability to understand.
- **Understanding** : the knowledge that somebody has of a particular subject or situation.
- **Arrangement** : plans or preparations for something that will happen in the future.
- **Combination:** something created by joining or mixing two or more people or things together.
- In the given sentence, there is a mixing of social distancing with other preventive actions. So, the most appropriate word from the given options is 'Combination'.
- Hence, the correct answer is **option 4.**

---

86. Answer: c

Explanation:

The correct answer is " **Big".**

⭐ **Key Points**

- **Petty** :not important and not worth giving attention to.

○ Example: He seems to take delight in petty cruelty.
- Petty also means **small and unimportant.**
  ○ **Example:** The officer did not arrest the teen for the petty crime
- From the given meaning and the above example sentence, it is clear that ' **big'** from the given options is the most appropriate antonym of the given word.
- Thus,the correct answer is **option 3.**

---

87. Answer: a

Explanation:

The correct answer is **"Or you might".**

⭐ **Key Points**

- The given sentence is **grammatically incorrect.**
- Here, **or you might'** should be used instead of 'unless you should'.
- Here, the person is told to walk carefully or he might hurt himself.
- Thus, the correct answer is **option 1.**

Correct sentence :*Please walk carefully **or you might** hurt yourself.*

---

88. Answer: a

Explanation:

The erroneous segment is "do not requires".

⭐ **Key Points**

- The given sentence is **incorrect.**
- The error lies in **'do not requires'** segment.
- It should be **'do not require'** instead of 'do not requires'.
- **'Require'** goes with **plural** subjects. **Requires** goes with singular subjects.

- As per the **subject–verb** agreement, **Require** is correct as it is used with a plural subject .
- Thus, the correct answer is **option 1.**

---

89. Answer: c

Explanation:

The correct answer is **'Tremendous'.**

⭐ **Key Points**

- In this given sentence, we need to substitute the 'ancient' word with the most appropriate word from the given options :
- Let's understand the **meaning** of the **given words :**
- **Curt:** short and not polite.(संक्षिप्त और रूखा)
- **Bustling :** to be full of people, noise or activity.(व्यक्तियों, शोर या गतिविधियों से भरा होना; हलचल होना)
- **Prosperous:** rich and successful.(समृद्ध (धनी और सफल)
- **Tremendous(adjective):** very great in amount, scale, or intensity(बहुत अच्छा, असाधारण).
  - **Example:***Preparing from Testbook.com is giving us **tremendous** pleasure in our preparation.*
- **From,** the given meanings of all the four options and the example sentence given above, the correct substitution for the given word is 'Tremendous '.
- The correct answer is **option 3.**

---

90. Answer: b

Explanation:

The correct answer is "Block".

⭐ **Key Points**

- The word **'Choke'** means to cut off oxygen, to be unable to breath, to block something.
  - *Example*: I will choke it with my strong arms and will not allow it to move.
- Let's look at the **meanings** of the given **options** :
- **Hack** : is to cut or chop something with short strong blows
- **Block** : to prevent movement through or past something
- **Slash: t** o cut someone or something with a sharp blade in quick.
- **Chop:** to cut something into pieces with a knife.
- It is clear that **Choke** and **'Block'** are similar in meaning.

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

---

91. Answer: d

Explanation:

The correct answer is "drag".

⭐ **Key Points**

- The given sentence 'If you do not return my money, I will _ _ _ _ _ _ you to court." needs an appropriate word from the given options to be filled in the blank.
- The person is saying to another person that if he does not return his money back then he will take him to the court.
- The marked option **Drag** : means to make somebody come or go somewhere.
  - **Example:** You can come with me quietly, or I can drag you out of here.
- From the given example and the meaning of the marked option, we are clear that **'drag'** is the appropriate word to be filled in the blank.
- Thus, the correct answer is **option 4.**

---

92. Answer: b

Explanation:

The erroneous segment is **"were dressed correctly"**.

⭐ <u>Key Points</u>

- Neither-nor is a co-relative conjunction that connects two parts of a sentence to each other.
- It takes the **verb** according to the **nearest subject** of the sentence.
  - *Example*: Neither Ravi nor shubham is available.
- But in the given sentence, 'the host' is **singular** and it is the **nearest subject.**
- So, as per the above rule, **'was'** should be used instead of 'were'.
- Thus, the correct answer is **option 2.**

Correct Sentence: Neither the guests nor the host was dressed appropriately for the party.

---

93. **Answer: a**

Explanation:

The correct answer is **'Hutch'**.

⭐ <u>Key Points</u>

- We need to substitute **'a cage for keeping rabbits'** from the given options:
- Let's understand the **meaning** of the given **marked option** :
- **Hutch:** a type of cage used typically for housing domestic rabbits.
- From the above meaning of the **marked option** , it is clear that the most appropriate one-word substitution for the given group of words is 'Hutch'.
- Thus, the correct answer is **option 1.**

⭐ <u>Additional Information</u>

- **Lair:** a place where a wild animal lives, often underground and hidden.
- **Apiary:** a place where bees are kept.
- **Kennel** :a small house for a dog.

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94. Answer: c

Explanation:

The correct answer is 'Cobweb'.

⭐ Key Points

- We need to substitute 'a spider's home' from the given options:
- **Hole:** an opening; a space in something solid.
- **Den:** the lair or shelter of a wild animal.
- **Cobweb:** a structure of thin, sticky threads made by a spider to entrap its prey.
- **Hive:** a structure where bees live.
- So, from the given meanings of all the options, we are sure that 'Cobweb' is an entity linked with 'spiders' where they live and entrap its prey.
- Thus,the correct answer is **option 3.**

95. Answer: c

Explanation:

The correct answer is "Wonderful".

⭐ Key Points

- Let's understand the **meaning** of the **given word** :
- **Marvellous:** very good; **wonderful.**
  - *Example*: *The teacher training program at testbook is a **marvellous** opportunity for an individual who wants to become a subject matter expert.*
- By the meaning and example, we can say that '**wonderful**' is a similar word for 'Marvellous.'
- Hence **option 3** is the correct answer.

⭐ Additional Information

- **Dangerous** : threatening and likely to cause injury.
- **Childish** : behaving in a silly and annoying way.
- **Innocent** : not having done wrong.

---

96. Answer: c

Explanation:

The correct answer is "Cause".

⭐ **Key Points**

- 'Consumption of junk and fast food is the main (1)_____of obesity in teenagers' The given sentence needs an appropriate word from the given options to be filled in the blank.
- The marked option **'Cause'** means ' **reason for feeling something or behaving in a particular way'**.
- The given sentence talks about that **the reason** for obesity in teenagers is the consumption of junk and fast food.
- Thus, the **marked option** is the most appropriate word to be filled in the blank.
- Therefore, the correct answer is **option 3.**

Correct Sentence: Consumption of junk and fast food is the main cause of obesity in teenagers.

---

97. Answer: b

Explanation:

The correct answer is "Unnecessary".

⭐ **Key Points**

- The given sentence 'Large intake of high-calorie and low-nutrient food leads to (2)_____ weight gain' conveys that the large intake of high-calorie and

low-nutrient food leads to superfluous weight gain.

- So, we need to choose the **appropriate option** that is similar in meaning to the word **'superfluous'.**
- **Insignificant** : of little value or importance.
- **Unnecessary:** more than is needed or acceptable.
- **Irrelevant:** not connected with something or important to it.
- **Necessary:** that is needed for a purpose or a reason.
- The word **'unnecessary'** is similar in meaning to the word 'Superfluous'.
- Therefore, the correct answer is **option 2.**

Correct Sentence : 'Large intake of high-calorie and low-nutrient food leads to **unnecessary** weight gain'

---

98. Answer: b

Explanation:

The correct answer is **'Psychological'.**

⭐ **Key Points**

- The given sentence 'Obesity can also result in (3)_____ problems like low self-esteem and low confidence' discusses the type of mental issues that are linked with Obesity.
- The marked option 'psychological' means mental or emotional rather than physical.
- It is clear that 'psychological' deals with mental issues such as low self-esteem and low confidence and it is conveyed too in the given sentence.
- Therefore,the correct answer is option 2.

Correct Sentence : *Obesity can also result in **psychological** problems like low self-esteem and low confidence.*

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99. Answer: d

Explanation:

The correct answer is **'Substituted'.**

- The given sentence 'Junk food and soft drinks should be (4)_ _ _ _ _ _ with lots of fruits' says that Junk food and soft drinks should be **replaced with** lots of fruits.
- From the given options, **'Substituted'** is the only word which is similar in meaning to the word **'replaced'.**
- Thus, the most appropriate word is **'Substituted'.**
- Therefore, the correct answer is **option 4.**

Correct Sentence : Junk food and soft drinks should be **substituted with** lots of fruits.

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100. **Answer: c**

Explanation:

The correct answer is **'regular'.**

⭐ **Key Points**

- The **given sentence** *'The best way to control obesity is to do (5)_ _ _ _ _ _ physical exercise.'* talks about the best way to control obesity is to do consistent physical exercise.
- From the **given options** , we need to choose the **appropriate one** to be filled in the blank.
- **Regular** : steady in practice or occurrence.
  - *Example:* We're going to play tennis there on a regular basis.
- From the given meaning of the **marked word** and the example sentence **given above** , It suits well in the given context.
- Thus, the correct answer is **option 3.**