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 MTS Previous Year Paper (Held on: 22 July 2022 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 & Reasoning	25	25	0.25	1
2	Numerical Aptitude	25	25	0.25	1
3	General English	25	25	0.25	1
4	General Awareness	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 & Reasoning

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

   Statements:

   I. All G are R.

   II. Some F are G.

   Conclusions:

   I. All R are F.

   II. Some G are F.

   III. Some F are R

   a. None of the conclusions follow

   b. Only conclusion III follows

   c. Only conclusions II and III follow

   d. All the conclusions follow

---

2. In a certain code language, 'ACID' is written as 'ZBHC' and 'LAND' is written as 'KZMC'. How will 'GOLD' be written in that language?   (+1, -0.25)

   a. FNKB

   b. FNKC

   c. FNJC

d. FMKC

---

3. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.   (+1, -0.25)
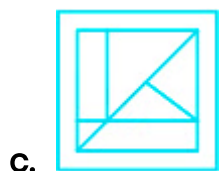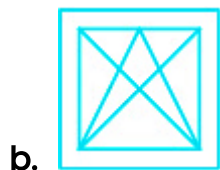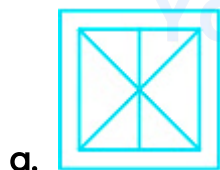
AND : VHV :: LXY : ?

a. HRR

b. HRQ

c. GRQ

d. GSQ

---

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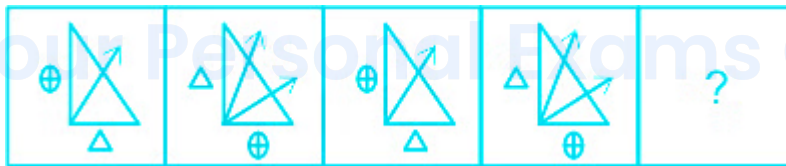

a.

b.

c.

d.

---

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

MA, NZ, OY, PX, ?

a. QV

b. QW

c. WQ

d. QR

---

6. 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.

---

7. In a certain code language, 'Fakes are not great' is written as '8 6 3 2' and 'Tall people are great' is written as '5 3 2 7'. Which one of the following is the possible code for 'not' in that code language? **(+1, −0.25)**

   a. 8

   b. 3

   c. 2

   d. 5

---

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

   26 ÷ 24 + 6 × 27 − 105 = 29

   a. + and −

   b. ÷ and +

   c. + and ×

   d. ÷ and −

---

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

a.

b.

c.

d.

---

10. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.   (+1, −0.25)

P 2 : R 4 :: D 5 : F 7 :: X 6 : ?

a. Z 8

b. Y 8

c. Y 7

d. Z 9

---

11. There are five friends, Ram, Shekhar, Sonu, Rinku and Monu, who are sitting   **(+1, −0.25)**
at different positions in a row and facing north. Two friends sit between
Shekhar and Rinku. Shekhar sits neither in the first position nor the last
position of the row. Monu is not an immediate neighbour of Shekhar. Ram
sits second to the left of Sonu. Sonu does not sit at the extreme ends of the
row. Who is sitting at the middle of the row?

a. Sonu

b. Ram

c. Shekhar

d. Monu

---

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

2 + 78 ÷ 13 − 4 × 111 = 119

a. + and ÷

b. ÷ and ×

c. + and -

d. + and ×

13. Seven birds — A, B, C, D, E, F and G are sitting in a straight row, facing north. **(+1, −0.25)** D sits third to the right of F, who sits at the second position from the left end. E sits between A and F. G sits to the left of F. B sits in the second position from the right end. Which of the following statements is true?

    a. B sits exactly between D and A.

    b. C sits at extreme right end.

    c. F sits at extreme left end.

    d. E sits to the immediate left of D.

14. Five friends A, B, C, D and E study in the same college. In age, E is older **(+1, −0.25)** than only A and B. D is younger than only C. A is not the youngest. How many friends are older than A?

    a. 4

    b. 2

    c. 3

    d. 1

15. Select the option in which the numbers are related in the same way as **(+1, −0.25)** are the numbers of the following sets.

    NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(7, 1, 3)

(12, 2, 5)

a. (30, 8, 11)

b. (26, 4, 20)

c. (32, 6, 18)

d. (40, 10, 30)

---

16. Select the correct the mirror image of the given figure when the mirror is placed at MN as shown below.   (+1, −0.25)

CHIVALRY | M
              N

a. YЯA⅃VIHƆ

b. YЯ⅃VAIHƆ

c. YЯA⅃AVIHƆ

d. CHIⅤAⅬRY

---

17. In a certain code language, if Delhi is called Mumbai, Mumbai is called Jaipur, Jaipur is called Durgapur, Durgapur is called Chandigarh, and Chandigarh is called Jodhpur, then which city is the capital of Rajasthan?   (+1, −0.25)
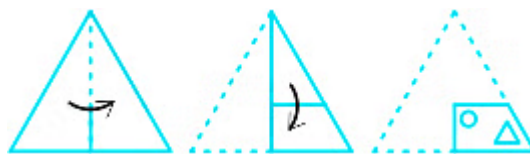
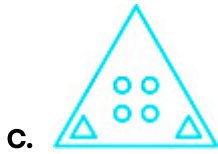a. Durgapur

b. Jaipur

c. Chandigarh

d. Mumbai

---

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

24, 625, 26, 729, 28, 841, ?

a. 961

b. 900

c. 29

d. 30

---

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

a.

b.

c.

d.

---

20. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.   (+1, -0.25)
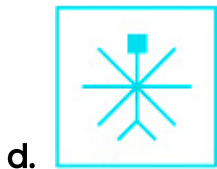
59 : 14 :: 61 : 7 :: 37 : ?

a. 12

b. 6

c. 8

d. 10

---

21. 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.

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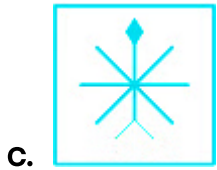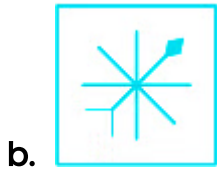
22. Select the option that is related to the third letter-cluster in the same way   **(+1, -0.25)**
as the second letter-cluster is related to the first letter-cluster.

LAM : AML :: RUK : ?

a. KRU

b. URK

c. UKR

d. KUR

---

23. In certain code language, 'DID' is coded as '494', 'DEAR' is coded as '4518'   **(+1, -0.25)**
and 'BENT' is coded as '2540'. How will 'FOR' be coded in that language?

a. 668

b. 557

c. 567

d. 658

---

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

(+1, -0.25)

Statements :

All basketball players are tall people.

Suman is tall.

Conclusions:

I. Suman is a basketball player.

II. Some tall people are basketball players.

a. Only conclusion I follows

b. Neither conclusion I nor II follows

c. Both conclusions I and II follow

d. Only conclusion II follows

---

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

(+1, -0.25)

18, 36, 25, 50, 39, ?

a. 72

b. 76

c. 74

d. 78

Numerical Aptitude

26. Trains A and B are running in the same direction at 40 Km/h and 60 km/h, respectively. If both the trains started at the same time from the same place, then what will be the distance between them after 1 hour?   **(+1, −0.25)**

    a. 10 km

    b. 20 km

    c. 40 km

    d. 0 km

---

27. The volume of a right circular cone is 3080 cm^3. If the radius of its base is 7 cm, then what is the height of the cone?   **(+1, −0.25)**

[Use π = $\frac{22}{7}$]

    a. 60 cm

    b. 80 cm

    c. 120 cm

    d. 90 cm

---

28. Find the difference between a discount of 30% on Rs. 2,000 and a discount of 40% on Rs. 5,000.   **(+1, −0.25)**

    a. Rs. 1,400

    b. Rs. 1,100

    c. Rs. 1,200

d. Rs. 1,000

---

29. How many multiples of 7 are there between 100 and 200?   (+1, -0.25)

   a. 14

   b. 15

   c. 12

   d. 16

---

30. $\frac{2}{7}$ of 40% of B = 48. What is the value of B?   (+1, -0.25)

   a. 400

   b. 380

   c. 360

   d. 420

---

31. Shreya was given an increment of 10% on her salary. Her new salary is Rs.   (+1, -0.25)
5,500. What was her salary before the increment?

   a. Rs. 6,250

   b. Rs. 5,500

   c. Rs. 5,000

   d. Rs. 6,150

---

32. Pipe A can fill an empty tank in 30 hours and B can fill it in 10 hours. Due to a leakage in the tank, it takes pipes A and B together 1.5 hours more to fill it completely that it would have otherwise taken. What is the time taken by the leakage alone to empty the same tank completely, starting when the tank is completely full? **(+1, −0.25)**

  a. 42 hours

  b. 40 hours

  c. 36 hours

  d. 45 hours

33. A man travelled a distance of 150 km in 18 hours. He travelled partly on foot at 5 km/h and partly on bicycle at 10 km/h. What is the distance travelled on bicycle? **(+1, −0.25)**

  a. 70 km

  b. 120 km

  c. 30 km

  d. 100 km

34. The following table shows the number of cars manufactured in five consecutive weeks. **(+1, −0.25)**

Week	Number of cars manufactured
1st week	500
2nd week	700
3rd week	600
4th week	300
5th week	900

How many cars were manufactured in the first four weeks, taken together?

a. 2000

b. 2800

c. 2100

d. 2200

35. What will be the ratio of the simple interest on Rs. 1,000 for 2 years at 5% per annum to the simple interest on the same sum for the same period at 10% per annum?   (+1, −0.25)

a. 2 : 1

b. 3 : 1

c. 1 : 2

d. 1 : 3

---

36. The cost of a notebook increases in proportion to the number of pages in it. A notebook having 100 pages costs Rs. 20. Find the cost of a notebook having 400 pages.   (+1, -0.25)

   a. Rs. 60

   b. Rs. 50

   c. Rs. 80

   d. Rs. 40

---

37. A can complete 25% of a work in 10 days. B can complete 40% of the same work in 16 days. In how many days will A and B together complete twice the work mentioned above?   (+1, -0.25)

   a. 20

   b. 40

   c. 60

   d. 50

---

38. The ratio of the selling price and the cost price of an article is 1 : 2, What is the loss percentage?   (+1, -0.25)

   a. 50%

b. 20%

c. 40%

d. 60%

---

39. The average daily expenditure of Mohan over 4 days is Rs. 120. If his expenditure on the first 3 days are Rs. 60, Rs. 150 and Rs. 140, respectively, then what is his expenditure on the 4th day?   (+1, −0.25)

    a. Rs. 145

    b. Rs. 110

    c. Rs. 130

    d. Rs. 120

---

40. The average of seven consecutive even numbers is 12. If the next even number is also considered, then what will be the new average?   (+1, −0.25)

    a. 16

    b. 13

    c. 14

    d. 15

---

41. How many solid spheres of radius 3 cm can be formed by melting a bigger solid sphere of radius 24 cm?   (+1, −0.25)
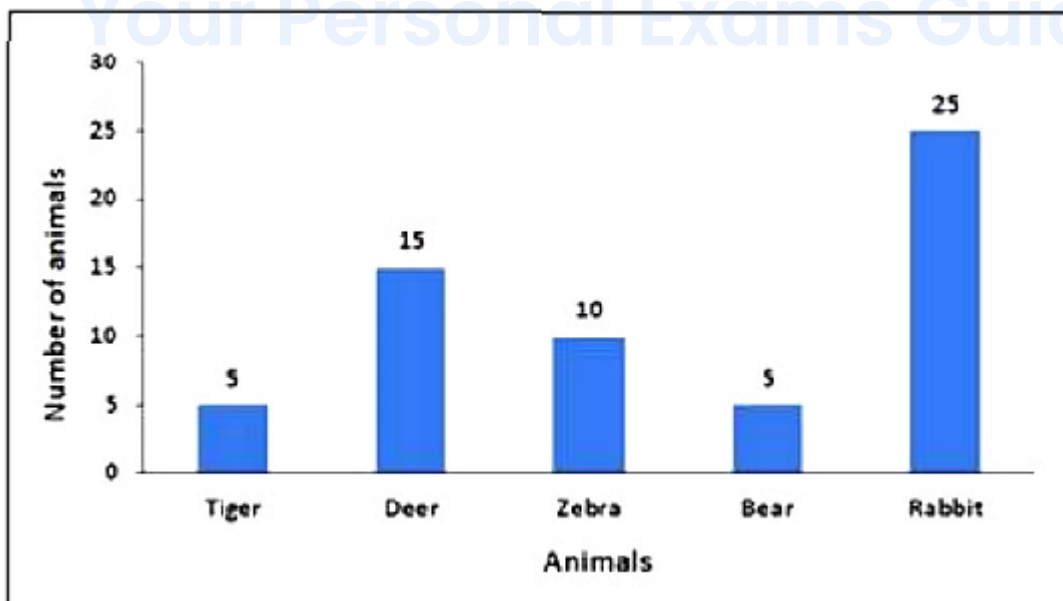
    a. 512

b. 128

c. 64

d. 256

---

42. Rs. 21,000 is to be distributed between Raj and Karan such that Raj gets Rs. 9,000 less than Karan. What is the ratio of the amount received by Raj to that received by Karan? (+1, −0.25)

a. 2 : 5

b. 3 : 5

c. 5 : 3

d. 5 : 2

---

43. The following bar graph shows the number of different types of animals in a zoo. (+1, −0.25)

The number of deer is what percentage of the total number of animals in the zoo?

a. 25%

b. 10%

c. 20%

d. 15%

---

44. What is the value of x in the following equation? $\hfill$ (+1, -0.25)

$[900 \div (11 \times 12 \div 4 \times 3 - 98)^2] = x$

a. 900

b. 901

c. 899

d. 898

---

45. The following pie chart shows the number of leaves taken during a year $\hfill$ (+1, -0.25)
by each of 6 different employees as percentages of the total number of
leaves taken by these 6 employees, added together.
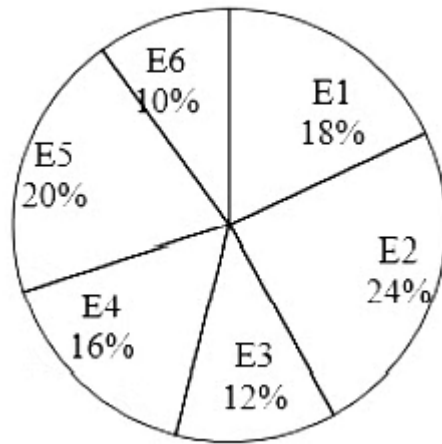
If the difference between the numbers of leaves taken by E2 and E5 is 14, then what is the total number of leaves taken during the year by all the 6 employees, added together?

a. 380

b. 350

c. 320

d. 360

---

46. The mean height of 30 students was given as 140 cm. It was later observed that one of the observations was incorrectly copied as 121 cm while it was actually 134 cm. What was the correct mean height? [Give your answer correct to one place of decimal.] (+1, −0.25)

a. 150.4 cm

b. 140.4 cm

c. 160.4 cm

d. 130.4 cm

---

47. Rahul sold a box for Rs. 1,440 at a loss of 40%. What should the selling price of the box be to enable Rahul to earn a profit of 40%?   (+1, −0.25)

   a. Rs. 2,592

   b. Rs. 3,480

   c. Rs. 3,120

   d. Rs. 3,360

48. The interest accrued on a sum of Rs. 12,000 in two years, when interest is compounded annually, is Rs. 3,870. What is the rate of interest per annum?   (+1, −0.25)

   a. 12.5%

   b. 10%

   c. 20%

   d. 15%

49. The perimeter of an equilateral triangle is 40 cm more than the length of each of its sides. What is the length of each side of this equilateral triangle?   (+1, −0.25)

   a. 20 cm

   b. 15 cm

   c. 10 cm

   d. 30 cm

50. What is the value of $\frac{1}{7} \times \frac{1}{8} \div \frac{1}{4} + \frac{1}{3} \times \frac{1}{9} + \frac{1}{6} \div \frac{1}{12}$ of $\frac{3}{7}$? (+1, -0.25)

a. $\frac{1908}{378}$

b. $\frac{1802}{405}$

c. $\frac{1805}{378}$

d. $\frac{1855}{378}$

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

In exactly the same words as were used originally

a. Imprecise

b. Strict

c. Verbatim

d. Neutral

---

52. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. **(+1, -0.25)**

He has been presented off honorary awards.

a. No error

b. presented off

c. He has been

d. honorable awards

---

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

Invigorate

a. Grow

b. Deform

c. Tire

d. Energise

---

54. Select the most appropriate synonym of the underlined word in the given sentence. **(+1, -0.25)**

Both songs have been reworked giving them fresh <u>impetus.</u>

a. detachment

b. aversion

c. incitement

d. disfavour

---

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

a. Waryness

b. Monumental

c. Awakning

d. Disenchentment

---

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

The weather was so _ _ _ _ _ _ _ _ that she couldn't step out of the house.

a. serious

b. inept

c. terrible

d. slight

---

57. 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)**

This is <u>on far a best</u> ice cream I have ever had.

a. by far the best

b. at farthest a good

c. by far more better

d. No improvement required

---

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

Reveal

a. Veil

b. Curb

c. Darken

d. Disclose

---

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

Get cold feet

a. To feel nervous about doing something

b. To escape from something

c. To get no results

d. To be in a bad mood

---

60. 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)

Water <u>is using in every.</u> cell of your body.

a. is used in every

b. No improvement required

c. using in each

d. are used in every

---

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

Gandhiji spent many years _____ Sabarmati Ashram.

a. with

b. by

c. on

d. at

---

62. 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)

After all the fuss, the companies <u>has still not reach</u> a consensus.

a. have still not reached

b. have still to reached

c. had still not reach

d. No improvement required

---

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

Food was _____; guides were not to be found, and the enemy dogged them all the way.

a. scarce

b. crass

c. chance

d. farce

---

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

Serene

a. Unperturbed

b. Pleased

c. Composed

d. Agitated

---

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

The Andes mountains / lay between / Chile and Argentina.

a. Chile and Argentina

b. lay between

c. No error

d. The Andes mountains

---

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

My life has _ _ _ _ _ _ meaning without you

a. not

b. never

c. no

d. none

---

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

There are some Indian herbs / that possesses a range / of important therapeutic properties.

a. of important therapeutic properties

b. that possesses a range

c. No error

d. There are some Indian herbs

---

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

a. Exceptionale

b. Deceive

c. Mortle

d. Appearence

---

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

To blaze the trail

a. To mark the end of the movement

b. To start a movement

c. To oppose all criticism

d. To cause the failure of

---

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

The prospects of surviving any serious illness are improved if the disease
is <u>catching early</u> .

   a. being caught early

   b. caught early

   c. No substitution required

   d. catch earlier

---

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

Nuclear power for civil use is well (1) _ _ _ _ _ _ in India. Since building the
two small boiling water reactors (2) _ _ _ _ _ _ Tarapur in the 1960s, its civil
nuclear strategy (3) _ _ _ _ _ _ directed towards complete independence
in the nuclear fuel cycle, necessarily (4) _ _ _ _ _ _ it is excluded (5)
_ _ _ _ _ _ the 1970 Nuclear Non-Proliferation Treaty (NPT).

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

   a. implanted

   b. founded

   c. resurrected

   d. established

72. 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)

Nuclear power for civil use is well (1) _ _ _ _ _ _ in India. Since building the two small boiling water reactors (2) _ _ _ _ _ _ Tarapur in the 1960s, its civil nuclear strategy (3) _ _ _ _ _ _ directed towards complete independence in the nuclear fuel cycle, necessarily (4) _ _ _ _ _ _ it is excluded (5) _ _ _ _ _ _ the 1970 Nuclear Non-Proliferation Treaty (NPT).

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

a. at

b. from

c. on

d. of

73. 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)

Nuclear power for civil use is well (1) _ _ _ _ _ _ in India. Since building the two small boiling water reactors (2) _ _ _ _ _ _ Tarapur in the 1960s, its civil nuclear strategy (3) _ _ _ _ _ _ directed towards complete independence in the nuclear fuel cycle, necessarily (4) _ _ _ _ _ _ it is excluded (5) _ _ _ _ _ _ the 1970 Nuclear Non-Proliferation Treaty (NPT).

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

a. have

b. have been

c. has been

d. has

---

74. 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)

Nuclear power for civil use is well (1) _ _ _ _ _ _ in India. Since building the two small boiling water reactors (2) _ _ _ _ _ _ Tarapur in the 1960s, its civil nuclear strategy (3) _ _ _ _ _ _ directed towards complete independence in the nuclear fuel cycle, necessarily (4) _ _ _ _ _ _ it is excluded (5) _ _ _ _ _ _ the 1970 Nuclear Non-Proliferation Treaty (NPT).

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

a. though

b. that

c. because

d. thus

---

75. 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)

Nuclear power for civil use is well (1) _ _ _ _ _ _ in India. Since building the two small boiling water reactors (2) _ _ _ _ _ _ Tarapur in the 1960s, its civil nuclear strategy (3) _ _ _ _ _ _ directed towards complete independence in the nuclear fuel cycle, necessarily (4) _ _ _ _ _ _ it is excluded (5) _ _ _ _ _ _ the 1970 Nuclear Non-Proliferation Treaty (NPT).

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

a. at

b. within

c. from

d. of

76. In which of the following battles in 326 BC did Alexander the Great defeat Porus of Paurav? (+1, −0.25)

   a. Battle of Plassey

   b. Battle of Sakala

   c. Kalinga War

   d. Battle of the Hydaspes

77. Vikas has an income of ₹2.5 lakhs. Which of the following tax slabs of India is applicable for him? (+1, −0.25)

   a. 0.2

   b. 0.05

   c. Nil

   d. 0.1

78. Which of the following countries shares their land boundary with India? (+1, −0.25)

   a. Bhutan

   b. Indonesia

   c. Vietnam

   d. Uzbekistan

79. Who among the following Indian classical dancers/dancers was/was the recipient of the Padma Bhushan award? (+1, -0.25)

   a. K. Chellay

   b. Rukmini Devi Arundale

   c. Vanraj Bhatia

   d. Thanjavur Shankar Iyer

80. Who among the following is the author of 'Abhinaya Darpana'? (+1, -0.25)

   a. Amarsingh

   b. Sushrut

   c. Yask

   d. Nandikeshwar

81. In March 2022, 'Stree Manoraksha Project' was launched by _____. (+1, -0.25)

   a. Smriti Irani

   b. Uma Bharti

   c. Mamta Banarjee

   d. Vasundhara Raj

82. Who among the following athletes won India's first gold medal in Javelin Throw at the Tokyo Olympics 2020? (+1, -0.25)

a. Leander Paes

b. Deepika Kumari

c. Mary Kom

d. Neeraj Chopra

---

83. The maximum temperature of the day occurs generally _____.   (+1, -0.25)

a. in the afternoon

b. in the early morning

c. at midnight

d. in the evening

---

84. Which of the following statements about Paramhansa Mandalis is   (+1, -0.25)
INCORRECT?

a. It was founded in 1849 in Maharashtra.

b. They were primarily interested in breaking caste rules.

c. They also advocated for widow remarriage and women's
education.

d. Its founders did not believe in God.

---

85. The heart of a fish has _____ chambers.   (+1, -0.25)

a. three

b. five

c. four

d. two

---

86. Pramod Sawant took the oath as the Chief Minister of which state in March 2022? (+1, −0.25)

    a. Maharashtra

    b. Goa

    c. Gujarat

    d. Karnataka

---

87. Who among the following Indian singers/singers is addressed as the Nightingale of India? (+1, −0.25)

    a. Arijit Singh

    b. Lata Mangeshkar

    c. Sunidhi Chauhan

    d. Shreya Ghoshal

---

88. Select the correct statement (+1, −0.25)

    a. There are only 2 basic components of a cell-cytoplasm and nucleus.

b. The cytoplasm and nucleus are enclosed within the cell membrane, also called the plasma membrane.

c. The membrane separates ribosomes and mitochondria of a cell.

d. The plasma membrane does not allow inward movement of the substance.

---

89. In India, primitive form of cultivation is known as 'Jhumming' in the _____.   (+1, -0.25)

   a. north-eastern region

   b. south-eastern region

   c. Western Ghats

   d. Himalayan belt

---

90. Which country is separated from India by the Gulf of Mannar?   (+1, -0.25)

   a. Bangladesh

   b. Sri Lanka

   c. Indonesia

   d. China

---

91. Which of the following laws states that with the temperature remaining constant, the volume of a given mass of a gas varies inversely with the pressure of the gas?   (+1, -0.25)

   a. Graham's Law

b. Kepler's Law

c. Charles's Law

d. Boyle's Law

---

92. Vijayalaya belonged to which dynasty of India?   (+1, -0.25)

   a. Chalukya

   b. Cher

   c. Paal

   d. Chaul

---

93. Makar Sankranti is celebrated as the _____ long Pongal festival in   (+1, -0.25)
   Tamil Nadu and Andhra Pradesh.

   a. seven-day

   b. two-day

   c. five-day

   d. four-day

---

94. Which country hosted the ICC Women's World Cup 2021/22?   (+1, -0.25)

   a. New Zealand

   b. Australia

   c. South Africa

---

d. England

---

95. In 1929, Indian National Congress demanded complete independence under the presidentship of _____.   (+1, -0.25)

a. Dadabhai Naoroji

b. Jawaharlal Nehru

c. Mahatma Gandhi

d. Chitta Ranjan Das

---

96. Dry deciduous forests are found in areas having rainfall between approximately _____.   (+1, -0.25)

a. 100 cm and 70 cm

b. 150 cm and 120 cm

c. 80 cm and 50 cm

d. 200 cm and 150 cm

---

97. Every judge of the Supreme Court in India shall hold office until he attains the age of _____ years.   (+1, -0.25)

a. 65

b. 55

c. 58

d. 62

---

98. Which of the following novels was written by the famous Indian novelist Amrita Pritam?   (+1, -0.25)

   a. Midnight's Children

   b. Satya ke Prayog

   c. Raseedi Ticket

   d. Train to Pakistan

99. In the Indian constitution, the Right to Freedom is covered from _____.   (+1, -0.25)

   a. Article 19 to 22

   b. Article 26 to 30
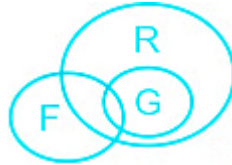
   c. Article 14 to 18

   d. Article 23 to 25

100. The Janjira Fort is situated on a small island in the Arabian sea, off the coast of _____.   (+1, -0.25)

   a. Gujarat

   b. Maharashtra

   c. Kerala

   d. Karnataka

Answers

1. Answer: c

Explanation:

From the given statements, we draw the Venn diagram as:

Next, we will check the conclusions

I. All R are F → Unfollows: Since given that some F are G and all G are F. So, all R are F is not possible. This is not true.

II. Some G are F → Follows: Since som F are G is given and so some G are F is true.

III. Some F are R → Follows: Since given that some F are G and all G are F. So, some F are R is possible. This is true.

Thus, o nly **conclusions II and III** follow.

Hence, the correct answer is '<u>option 3</u>'.

---

2. Answer: b

Explanation:
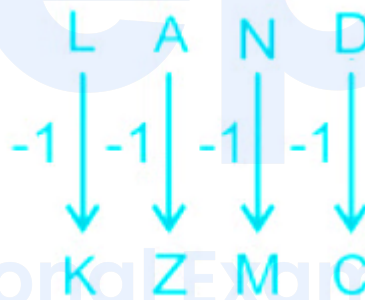
Here, the alphabet and their positions are shown as below:

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 here is: For each letter's position is subtracted by 1 to get the code language.

So, for the word 'ACID' is written as 'ZBHC' :

```
A   C   I   D
-1  -1  -1  -1
↓   ↓   ↓   ↓
Z   B   H   C
```

And for the word 'LAND' is written as 'KZMC

```
L    A    N    D
-1   -1   -1   -1
↓    ↓    ↓    ↓
K    Z    M    C
```

Similarly, for the word GOLD, we have:

```
G   O   L   D
-1  -1  -1  -1
↓   ↓   ↓   ↓
F   N   K   C
```

Thus, the code language is ' FNKC ' for the given word.

Hence, the correct answer is 'option 2'.

Confusion Point: Keep in mind the positions of all the letters.

3. Answer: c

Explanation:

Alphabet and their positional 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 logic followed here is:

For, AND : VHV


```
A    N    D
-5 | -6 | -8
 ↓    ↓    ↓
V    H    V
```

Similarly: for LXY

```
L    X    Y
-5 | -6 | -8
 ↓    ↓    ↓
G    R    Q
```

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

---

4. Answer: c

Explanation:

Given figure:

⭐ Important Points

- Rotation is not allowed.

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

Hence, option (3) is the correct answer.

---

5. **Answer: b**

Explanation:

Alphabet and their positional 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 logic here is:

$$M \xrightarrow{+1} N \xrightarrow{+1} O \xrightarrow{+1} P \xrightarrow{+1} \boxed{Q}$$
$$A \xrightarrow{-1} Z \xrightarrow{-1} Y \xrightarrow{-1} X \xrightarrow{-1} \boxed{W}$$
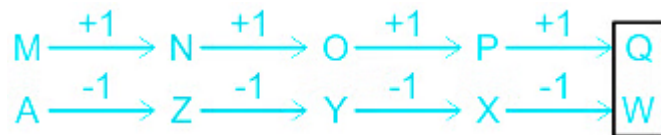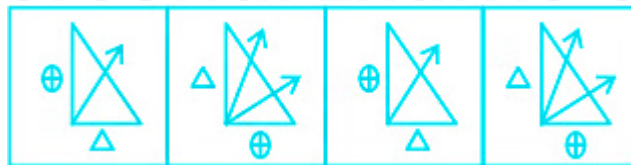
So, the missing letter cluster is 'QW' for the given series.

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

---

6. **Answer: b**

Explanation:

The given series of figures is:

The logic followed here is:

Step - I: The odd-number figure has only 1 arrow with a small plus-shaped circle on the left side, and a triangle below it.

Step - II: The even number figure has 2 arrows with a small triangle on the left side, and a small plus-shaped circle below it.

So, the fifth figure will be the same as the 1st image because it is an odd-number image.
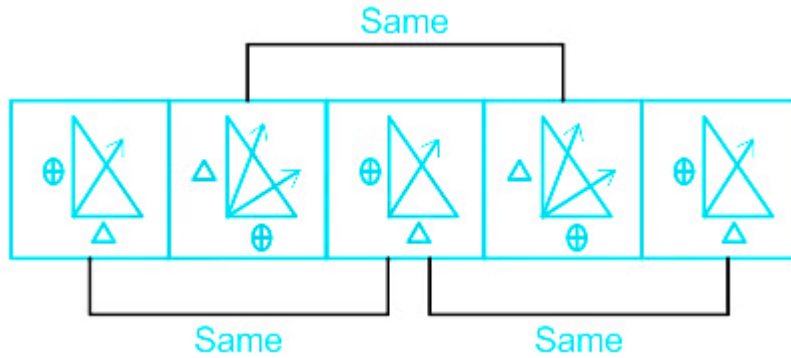
Hence, the correct answer is **"Option 2"** .

---

7. Answer: a

Explanation:

Here, we have some statements given:

From this, the word 'not' can be coded as '8' or '6'.

Thus, from the option we have only number ' **8**' as the code for the word 'not'.

Hence, the correct answer is '<u>option 1</u>'.

---

8. Answer: b

Explanation:

Bodmas Table:

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

Given: 26 ÷ 24 + 6 × 27 − 105 = 29

Now,

Checking the options:

Option 1) + and -

after replacing the symbols:

⇒ **26 ÷ 24**− 6 × 27 + 105 = 29

Applying the BODMAS rule, we will get,

⇒ 1.08 −**6 × 27**+ 105 = 29

⇒**1.08**− 162**+ 105**= 29

⇒**106.08 − 162**= 29

= −55.92 ≠ 29.

Option 2) ÷ and +

after replacing the symbols:

⇒ 26 +**24 ÷ 6**× 27 − 105 = 29

Applying the BODMAS rule, we will get,

⇒26 +**4 × 27**− 105 = 29

$\Rightarrow$ **26 + 108** - 105 = 29

$\Rightarrow$ **134 - 105** = 29

= 29 = 29 True

3) + and ×

after replacing the symbols:

$\Rightarrow$ 26 × 24 + **6 ÷ 27** - 105 = 29

Applying the BODMAS rule, we will get,

$\Rightarrow$ **26 × 24** + 0.22 - 105 = 29

$\Rightarrow$ **624 + 0.22** - 105 = 29

$\Rightarrow$ **624.22 - 105** = 29

= 519.22 ≠ 29.

4) ÷ and -

after replacing the symbols:

$\Rightarrow$ 26 - 24 + 6 × **27 ÷ 105** = 29

Applying the BODMAS rule, we will get,

$\Rightarrow$ 26 - 24 + **6 × 0.25** = 29

$\Rightarrow$ **26** - 24 **+ 1.5** = 29

$\Rightarrow$ **27.5 - 24** = 29

= 3.5 ≠ 29.

So, the signs '**÷ and +**' interchanged to make the equation correct.

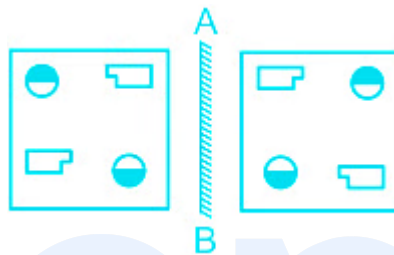Hence, the correct answer is **"Option 2"** .

⭐ Mistake Points

Keep in mind to apply the BODMAS rule, while solving these types of problems.

9. **Answer: b**

Explanation:

The correct mirror image of the given figure when the mirror is held at the right side is:

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

⭐ **Additional Information**

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

The 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 of the figure.

The water image is just a reflection where the top and bottom parts of the images changed and the left and right sides of the image remain the same.

10. **Answer: a**

Explanation:

The logic followed here is:

Add + 2 to get the next term.

Here, P2 : R4

$$P \xrightarrow{+2} R$$
$$2 \xrightarrow{+2} 4$$

for, D5 : F7

$$D \xrightarrow{+2} F$$
$$5 \xrightarrow{+2} 7$$

Similarly, for X6 :

$$X \xrightarrow{+2} Z$$
$$6 \xrightarrow{+2} 8$$

So, X6 : Z8.

Hence, the correct answer is **"Z 8"** .

---

11. **Answer: a**

Explanation:

Given:

Five friends, Ram, Shekhar, Sonu, Rinku and Monu, who are sitting at different positions in a row and facing north.

According to the given statements, we have,

1) Two friends sit between Shekhar and Rinku.

2) Shekhar sits neither in the first position nor the last position of the row.

Case I:

Case I:

Shekhar   Rinku

Case II:

Case II:

Rinku   Shekhar

3) Monu is not an immediate neighbor of Shekhar.

Case I:

Case I:

Shekhar   Monu Rinku

Case II:

Case II:

Rinku Monu   Shekhar

4) Ram sits second to the left of Sonu.

Case I:

Case I:

Ram Shekhar Sonu Monu Rinku

Case II:

Case II:
Ram   Rinku Shekhar Monu   Sonu

5) Sonu does not sit at the extreme ends of the row (Case II cancels from this statement).

5) Sonu does not sit at the extreme ends of the row.

So, we have to go through Case I:

Ram   Shekhar Sonu   Monu   Rinku

So, **Sonu** is sitting in the middle of the row.

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

---

12. **Answer: d**

Explanation:

BODMAS Table:

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

Given: $2 + 78 \div 13 - 4 \times 111 = 119$

Now, check the options:

Option 1) + and ÷

After replacing the symbols:

⇒ **2 ÷ 78**+ 13 – 4 × 111 = 119

⇒ 0.025 + 13 – **4 × 111**= 119

⇒ **0.025 + 13**– 444 = 119

⇒ **13.025 – 444** = 119

= – 430.9 ≠ 119.

Option 2) ÷ and ×

After replacing the symbols:

⇒ 2 + 78 × 13 – **4 ÷ 111**= 119

⇒ 2 +**78 × 13**– 0.036 = 119

⇒ **2 + 1014** – 0.036 = 119

⇒ **1016 – 0.036**= 19

= 1015.9 ≠ 119.

Option 3) + and –

After replacing the symbols:

⇒ 2 –**78 ÷ 13**+ 4 × 111 = 119

⇒ 2 – 6 +**4 × 111**= 119

⇒ **2**– 6**+ 444**= 119

⇒ **446 – 6**= 19

= 440 ≠ 119.

Option 4) + and ×

After replacing the symbols:

$\Rightarrow$ 2 ×<u>78 ÷ 13</u>- 4 + 111 = 119

$\Rightarrow$<u>2 × 6</u>- 4 + 111 = 119

$\Rightarrow$<u>12</u> - 4<u>+ 111</u>= 119

$\Rightarrow$<u>123 - 4</u>= 119

= 119 = 119 True

So, the signs '<u>+ and ×</u>' are interchanged to get the correct equation.

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

---

13. **Answer: b**

Explanation:

Given: Seven birds — A, B, C, D, E, F and G are sitting in a straight row, facing north.

1) B sits in the second position from the right end.

__ __ __ __ __ B __

2) D sits third to the right of F, who sits at the second position from the left end.

__ F __ __ D B __

3) G sits to the left of F.

G F __ __ D B __

4) E sits between A and F.

G F E A D B __

Thus, the final arrangement is:

G F E A D B C

Now,

B sits exactly between D and A - False.

C sits at extreme right end - **True** .

F sits at extreme left end - False.

E sits to the immediate left of D - False.

Hence, the correct statement is '<u>option 2</u>'.

---

14. **Answer: c**

Explanation:

The logic followed here is:

1) E is older than only A and B

⇒ E > A and B

2) D is younger than **only C**

⇒ C > **D** > E > A and B

3) **A is not the youngest.**

So, the correct order will be ⇒ C > D > E > A > B

So, there are 3 persons (C, D, and E) older than A.

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

---

15. **Answer: a**

Explanation:

The logic followed here is:

(1st number - 2nd number) ÷ 2 = 3rd number

Now,

$(7, 1, 3) \rightarrow (7 - 1) \div 2 = 6 \div 2 = 3.$

$(12, 2, 5) \rightarrow (12 - 2) \div 2 = 10 \div 2 = 5.$

Similarly,

$(30, 8, 11) \rightarrow (30 - 8) \div 2 = 22 \div 2 = 11.$

Hence, the correct answer is **"Option 1"**.

⭐ <u>Alternate Method</u>

$(7, 1, 3): 7 + 1 = 8, 8 \div 2 = 4, 4 - 1 = 3$

$(12, 2, 5): 12 + 2 = 14, 14 \div 2 = 7, 7 - 2 = 5$

Similarly,

$(30, 8, 11): 30 + 8 = 38, 38 \div 2 = 19, 19 - 8 = 11$

Hence, the correct answer is <u>(30, 8, 11).</u>

16. **Answer: c**

Explanation:

The correct the mirror image of the given figure when the mirror is placed at MN as shown below

Explanation:

1) The word '

CHIVALRY

' ends with the letter '

Y

'. So, the mirror image will start with the letter '

Y

'. → Option 4 is eliminated.

2) The word have letters together as '

AL

'. So the mirror will be '

⅃A

'. → Option 1 and 2 are eliminated

Hence, the correct answer is '<u>option 3</u>'.

Confusion Point: Keep in mind what is the difference between mirror image and water image.

---

17. **Answer: a**

Explanation:

The logic followed here is:

From the given statements:

City	Is Called
Delhi	Mumbai
Mumbai	Jaipur
Jaipur	Durgapur
Durgapur	Chandigarh
Chandigarh	Jodhpur

As we know that **Jaipur** is the capital of **Rajasthan** .

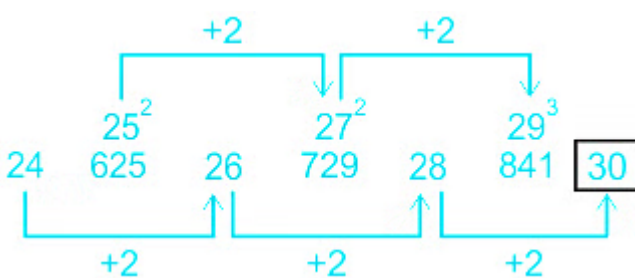But, according to the given statements '**Jaipur** is called **Durgapur**'.

So,<u>Durgapur</u>city is the capital of Rajasthan.

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

18. **Answer: d**

Explanation:

The logic followed here is:

So, the next number is<u>30</u>.

Hence, the correct answer is **"30"** .

19. Answer: c

Explanation:

Here, a triangle shape paper is folded 2 times.

When we open the fold, we get,

Hence, the correct answer is '<u>option 3</u>'.

---

20. Answer: d

Explanation:

The logic followed here is: Sum of the L.H.S number = R.H.S number.

Here,

for 59 : 14

$\Rightarrow$ 59 : 14 $\Rightarrow$ 5 + 9 = 14

for, 61 : 7

$\Rightarrow$ 61 : 7 $\Rightarrow$ 6 + 1 = 7

Similarly, for 37 : ?
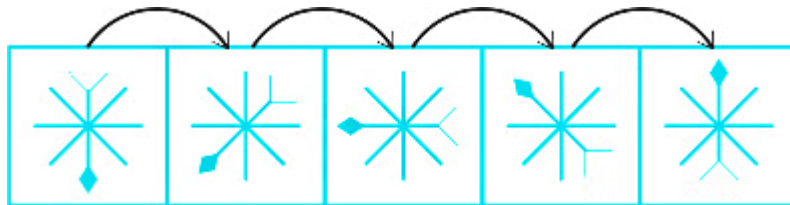
$\Rightarrow$ 37 $\Rightarrow$ 3 + 7 = 10.

So, 37 : 10.

Hence, the correct answer is **"10"** .

21. Answer: c

Explanation:

The logic followed here is:

The line which has a rhombus on it is moving 45 degree in clockwise direction.

\

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

---

22. Answer: c

Explanation:

The logic followed here is:

for, LAM : AML

Similarly, for RUK : ?

So, RUK will be written as UKR.

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

---

23. Answer: d

Explanation:

Here, the alphabets and their positions are shown as below:

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 here is: Each letter has code language of its position and the for two digit position the last digit is used as the code language of that letter.

For the word DID, we have:

Alphabets	D	I	D
Positions	4	9	4
Code	4	9	4

Next, for the word DEAR

Alphabets	D	E	A	R
Positions	4	5	1	18
Code	4	5	1	8

And for the word BENT

Alphabets	B	E	N	T
Positions	2	5	14	20
Code	2	5	4	0

Similarly, for the word we have FOR:

Alphabets	F	O	R
Positions	6	15	18
Code	6	5	8

Thus, the code language is ' **658** ' for the given word.

Hence, the correct answer is '**option 4**'.

Confusion Point: Keep in mind the positions of all the letters.

---

24. **Answer: d**

Explanation:

According to the given statements:

1) All basketball players are tall people.

2) Suman is tall

Now,

the Conclusions:

I. Suman is a basketball player: False (Since, Suman is tall but all tall people are not basketball players. So, This is not true)

II. Some tall people are basketball players - **True** (Since, all basketball players are tall people and so some tall people are basketball players. This is true).

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

---

25. **Answer: d**

Explanation:

The logic followed here is:

So, the next term is<u>78</u>.

Hence, the correct answer is **"78"** .

---

26. **Answer: b**

Explanation:

GIVEN:

Trains A and B are running in the same direction at 40 Km/h and 60 km/h

If both the trains started at the same time from the same place

Formula Used:

Speed=DistancexTime

CALCULATIONS:

Train A running at the speed = 40km/h

Train A travel distance after 1 hour = 40 km

⇒ Train A running at the speed of 60km/h

⇒ Train A travel distance after 1 hour = 60 km

⇒ The distance between them = Distance travelled by A - Distance travelled by B = 60km - 40km = 20km

Hence, The Distance between them after 1 hour = 20km

---

27. **Answer: a**

Explanation:

GIVEN:

The volume of a right circular cone is 3080 cm3

The radius of its base is 7 cm

FORMULA USED:

The volume of the cone = $\frac{1}{3} \times \pi \times r^2 \times h$

CALCULATIONS:-

The radius=7cm

Volume of cone = $3080 cm^3$

⇒ Volume = $\frac{1}{3} \times \pi \times r^2 \times h$

⇒ $3080 = \frac{1}{3} \times \frac{22}{7} \times 7 \times 7 \times h$

⇒ $20 = \frac{1}{3} \times h$

⇒ $h = 60 cm$

Hence, The height of the right circular cone is 60 cm

---

28. Answer: a

Explanation:

GIVEN:

Discount of 30% on Rs. 2,000

Discount of 40% on Rs. 5,000

Concept Used;

The percentage is a ratio of numbers that can be expressed as a fraction of 100

CALCULATIONS:-

According to the question,

⇒ Discount of 30% on Rs. 2,000 $= 2000 \times \frac{30}{100}$ = Rs. 600

⇒ Discount of 40% on Rs. 5,000 $= 5000 \times \frac{40}{100}$ = Rs.2000

⇒ Difference between both the discount = Discount of 40% on Rs.5000 - Discount of 30% on Rs.2000 = Rs.2000 - Rs.600 = Rs.1400

Hence, The Difference between both the discount is Rs. 1400

29. Answer: a

Explanation:

GIVEN:

Multiple of 7 between 100 and 200

Concept Used:

The number system is defined as the system of writing of express of number

CALCULATIONS:-

The first number between 100 and 200 = 105

Second number = 112

Last multiples = 196

⇒ The difference between the first and second numbers = 112 - 105 = 7

The number of multiples will be

⇒ Last Number = First Number + (n - 1)d

⇒ 196 = 105 + (n - 1)7

⇒ 196 - 105 = (n - 1)7

$\Rightarrow (n-1)7 = 91$

$\Rightarrow n - 1 = 13$

$\Rightarrow n = 14$

Hence, The no. of multiples of 7 between 100 and 200 is 14

---

30. Answer: d

Explanation:

GIVEN:

$\frac{2}{7}$ of 40% of B = 48

Concept Used:

The percentage is defined as the number that can be expressed as a fraction of 100

CALCULATIONS:

$\Rightarrow \frac{2}{7}$ of 40% of B = 48

Of can also be written as multiplies

$\Rightarrow \frac{2}{7} \times \frac{40}{100} \times B = 48$

$\Rightarrow \frac{1}{7} \times \frac{1}{20} \times B = 3$

$\Rightarrow B = 420$

Hence, The value of B is 420

---

31. Answer: c

Explanation:

GIVEN:

Shreya was given an increment of 10% on her salary

Her new salary = Rs. 5,500

Concept Used:

A percentage is a number or ratio that can be expressed as a fraction of 100

CALCULATIONS:

Sherya new salary after an increment of 10% = Rs. 5500

$\Rightarrow$ New salary = $initial\ salary + initial\ salary \times 10\%$

$\Rightarrow 5500 = x + x \times \frac{10}{100}$

$\Rightarrow 5500 = x + \frac{x}{10}$

$\Rightarrow 5500 = \frac{11x}{10}$

$\Rightarrow$ x = Rs. 5000

Hence, The salary before the increment is Rs. 5000

---

32. Answer: d

Explanation:

Given:

Pipe A (Empty tank) = 30 hours

Pipe B (Fill tank) = 10 hours

Pipes A and B together 1.5 hours more to fill it completely

Formula Used:

Work done= Number of days x Efficiency

Calculations:

Pipe A can fill an empty tank in 30 hours

$\Rightarrow$ Work done by Pipe A in 1 hour $= \frac{1}{30}$

Pipe A can fill an empty tank in 10 hours

$\Rightarrow$ Work done by Pipe A in 1 hour$= \frac{1}{10}$

$\Rightarrow$ Together they can complete the work in$= \frac{1}{30} + \frac{1}{10} = \frac{1+3}{30} = \frac{4}{30} = \frac{2}{15}$

$\Rightarrow$ Total work done by A and B $= \frac{15}{2} hours$

Due to leakage, It takes 1.5 hours

$\Rightarrow$ Total time taken $= \frac{15}{2}h + 1h + 30min = \frac{15}{2}h + 1h + \frac{30}{60}h = \frac{15+2+1}{2}h = \frac{18}{2} = 9h$

Pipe A and Pipe B can fill an empty tank in 9 hours after leakage

⇒ Work done by Pipe A and Pipe B in 1 hour $= \frac{1}{9}$

⇒ Let the work done by leakage to empty the tank = x hours

⇒ Work done by leakage in 1 hour $= \frac{1}{x}$

According to the question

Work done by Pipe A and Pipe B and Due to the leakage in 1 hour= Total time taken to fill the tank

⇒ $\frac{1}{30} + \frac{1}{10} - \frac{1}{x} = \frac{1}{9}$

⇒ $\frac{1}{x} = \frac{1}{30} + \frac{1}{10} - \frac{1}{9}$

⇒ $\frac{1}{x} = \frac{9+27-30}{270}$

⇒ $\frac{1}{x} = \frac{6}{270}$

⇒ $\frac{1}{x} = \frac{1}{45}$

⇒ $x = 45$

Hence, The time taken by the leakage to empty the tank is 45 hours

33. **Answer: b**

Explanation:

Given:

Distance = 150 km

Time = 18 hours

By Foot = 5 km/h

By Bicycle = 10 km/h

Formula used:

Speed= $\frac{Distance}{Time}$

Calculations:

Let the distance travelled by bicycle = x km

The distance travelled by foot=150−x km

Time is taken by man to travel by bicycle+Time is taken by man to travel by foot=Time taken by man to travel 150km

$\Rightarrow \frac{x}{10} + \frac{150-x}{5} = 18$

$\Rightarrow \frac{x+300-2x}{10} = 18$

$\Rightarrow -x + 300 = 180$

$\Rightarrow -x = 180 - 300$

$\Rightarrow x = 120$

Hence, The distance travelled by a man on a bicycle is 120 km

---

34. **Answer: c**

Explanation:

GIVEN:

Week	Number of cars manufactured
1st week	500
2nd week	700
3rd week	600
4th week	300
5th week	900

Formula Used:

The addition is a way of combining things and counting them together as one large group

CALCULATIONS:

According to the table

⇒ The sum of cars manufactured in four weeks = 1st week + 2nd week + 3rd week + 4th week = 500 + 700 + 600 + 300 = 2100

Hence, The total number of cars manufactured in the first four weeks is 2100 cars

---

35. **Answer: c**

Explanation:

GIVEN:

Simple interest on Rs. 1,000 for 2 years at 5% per annum

Simple interest on the same sum for the same period at 10% per annum

FORMULA USED:

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

Where P = The amount lent

R = Interest at the amount lent

T = Year amount lent for

CALCULATIONS:-

Firstly SI of the amount lent at 5%

⇒ Interest1 = $\frac{P \times R \times T}{100} = \frac{1000 \times 5 \times 2}{100} = Rs.100$

Firstly SI of the amount lent at 5%

⇒ Interest2 = $\frac{P \times R \times T}{100} = \frac{1000 \times 10 \times 2}{100} = Rs.200$

⇒ The ratio of SI of the amount lent at 5% to SI of the amount lent at = Interest1: Interest2 = 100: 200 = 1: 2

Hence, The ratio of SI of the amount lent at 5% to SI of the amount lent at 10% is 1:2

---

36. **Answer: c**

Explanation:

Given:
The cost of a notebook increases in proportion to the number of pages in it
A notebook having 100 pages costs Rs. 20
Formula Used:
A number system is defined as a system of writing to express numbers
Calculation:-

The cost of book increases in proportion to the number of pages in it
The rate of book
⇒ 100 pages = Rs. 20
⇒ 4 x 100 pages = 4 x Rs.20
⇒ 400 pages = Rs. 80
Hence, The cost of a book of 400 pages is Rs. 80

---

37. **Answer: b**

Explanation:

Given:

A can complete 25% of a work in 10 days

B can complete 40% of the same work in 16 days

Formula used:

Work done = Number of days x Efficiency

Calculations:

A can complete 25% of a work in 10 days

A can complete the work in

⇒ 25% in 10 days

⇒ 4 x 25% = 10x 4

⇒ 100% = 40 days

A can complete the whole work in 40 days

B can complete 40% of a work in 16 days

B can complete the work in

⇒ 40% in 16days

⇒ 10% = 4 days

⇒ 100% = 40 days

B can complete the whole work in 40 days

⇒ Work A can do in 1 day $= \frac{1}{40}$

⇒ Work B can do in 1 day $= \frac{1}{40}$

They both can do work in 1 day

⇒ 1 day $= \frac{1}{40} + \frac{1}{40}$

⇒ 1 day $= \frac{2}{40}$

⇒ 1 day $= \frac{1}{20}$

One work both can do in 20 days

According to the question,

⇒ They both can do twice the work = 2 x time taken to complete the work

= 2 x 20 days = 40days

Hence, They both can do twice the work in 40 days

---

38. Answer: a

Explanation:

GIVEN:
The ratio of the selling price and the cost price of an article is 1: 2
Formula Used:
Loss%=$\frac{loss}{C.P} \times 100$
CALCULATIONS:-

The ratio of the selling price and the Cost price is

$\Rightarrow \frac{S.P}{C.P} = \frac{1}{2}$

The selling price will be Rs. 1 and the Cost price will be Rs. 2

$\Rightarrow$ Loss = CP − SP = 2 − 1 = Rs. 1

$\Rightarrow Loss\% = \frac{loss}{C.P} \times 100 = \frac{1}{2} \times 100 = Rs.50$

Hence, The loss percentage of an article is 50%

---

39. Answer: c

Explanation:

GIVEN:

The average daily expenditure of Mohan over 4 days is Rs. 120

If his expenditure on the first 3 days is Rs. 60, Rs. 150, and Rs. 140

FORMULA USED:

Average = $\frac{Sum\, of\, expenditure}{Total\, No\, of\, expenditure}$

CALCULATIONS:-

Let the expenditure of 4 days be x

As expenditure on the first 3 days are Rs. 60, Rs. 150, and Rs. 140

$\Rightarrow$ Average = $\frac{Sum\, of\, expenditure}{Total\, No\, of\, expenditure}$

$\Rightarrow$ 120 = $\frac{60+150+140+x}{4}$

$\Rightarrow$ 480 = 350 + x

$\Rightarrow$ x = 480 − 350 = 130

Hence, The expenditure of the 4th day is Rs. 130

---

40. Answer: b

Explanation:

Given:

Average of seven consecutive even numbers = 12

Formula used:

Average$=\frac{Sum\ of\ Number}{Total\ Number}$

Calculations:

Let the next number be x

As The average of seven consecutive even numbers is 12

$\Rightarrow$ Average$=\frac{Sum of 7 number}{Total Number}$

$\Rightarrow$ $12=\frac{Sum of number}{7}$

$\Rightarrow$ Sum of number = 12 x 7 = 84

Let the number be a, a+2,a+4,a+6,a+8,a+10,a+12

$\Rightarrow$ Sum of number = a + a+2 + a+4 + a+6 + a+8 + a+10 + a+12

$\Rightarrow$ 84 = 7a + 42

$\Rightarrow$ 7a = 42

$\Rightarrow$ a = 6

The number are 6, 8, 10, 12, 14, 16, 18

We can easily say that the next number will be 20

The average of seven consecutive even numbers is 12

$\Rightarrow$ Average $=\frac{Sum of 7 number + 12 th number}{Total Number}=\frac{84+20}{8}=\frac{104}{8}=13$

Hence, The average of 12th number is 13

---

41. Answer: a

Explanation:

Given:

Spheres of radius = 3 cm

Bigger solid sphere of radius = 24 cm

Formula Used:

Volume of Sphere= $\frac{4}{3} \times \pi \times r^3$

Calculations:

Let the number of sphere of radius 3cm = x

⇒ Volume of bigger solid sphere =

$\frac{4}{3} \times \pi \times r^3 = \frac{4}{3} \times \pi \times 24 \times 24 \times 24 = 4 \times \pi \times 8 \times 24 \times 24$

The bigger sphere is melted to form the x number of spheres of radius 3cm

⇒ Volume of bigger solid sphere = x X Volume of Smaller sphere

⇒ $4 \times \pi \times 8 \times 24 \times 24 = x \times \frac{4}{3} \times \pi \times 3 \times 3 \times 3$

⇒ $8 \times 8 \times 8 = x$

⇒ x = 512

Hence, The solid sphere can be made by a bigger solid sphere is 512 spheres

---

42. **Answer: a**

Explanation:

Given:

Total money distributed = Rs. 21000

Raj gets Rs. 9,000 less than Karan

C oncept Used:

A ratio indicates how many times one number contains another

Calculation:

Let the amount received by Karan is x

⇒ The amount received by Raj is x-9000

⇒ Both of them together have Rs.21000

⇒ x + x - 9000 = Rs 21000

⇒ 2x = Rs 21000 + Rs.9000

⇒ $x = \frac{30000}{2}$

⇒ x = Rs. 15000

⇒ The amount received by Karan = Rs. 15000

⇒ The amount received by Raj = Rs. 15000 - Rs. 9000 = Rs. 6000

⇒ The ratio of the amount received by Raj to that received by Karan = 6000:15000 = 2:5

Hence, The ratio of the amount received by Raj to that received by Karan is 2:5

43. **Answer: a**

Explanation:

Given:

CASE 1: The number of deer in the zoo = 15

CASE 2: The total number of animals in the zoo = 60

Formula Used:

Percentage = $\frac{Number\ of\ deer}{Total\ No\ of\ animal} \times 100$

Calculations:

According to Formula, The percentage of deer in the zoo is

⇒ Percentage =

Hence, The number of deer is what percentage of the total number of animals in the zoo is 25%

---

44. Answer: a

Explanation:

Formula used:

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

Calculations:

⇒ $[900 \div (11 \times 12 \div 4 \times 3 - 98)^2] = x$

⇒ $x = [900 \div (11 \times 3 \times 3 - 98)^2]$

⇒ $x = [900 \div (99 - 98)^2]$

⇒ $x = [900 \div (1)^2]$

⇒ $x = [900 \div 1]$

⇒ x = 900

Hence, The value of x is 900

---

45. Answer: b

Explanation:

GIVEN:

The difference between the numbers of leaves taken by E2 and E5 is 14

Concept Used:

A percentage is a number or ratio that can be expressed as a fraction of 100

CALCULATIONS:

The difference between the numbers of leaves taken by E2 and E5 is 14

⇒ 24% – 20% = 14

⇒ 4% = 14

⇒ 1% = 3.5

The sum of the number of leaves taken by all the 6 employees is

⇒ 1st employee + 2nd employee + 3rd employee + 4th employee + 5th employee + 6th employee = 18% + 24% + 12% + 16% + 20% + 10%

⇒ All 6 employees together = 100%

⇒ 100% = 1% x 100 = 3.5 x 100 = 350

Hence, the Total number of leaves taken during the year by all the 6 employees, added together is 350

---

46. Answer: b

Explanation:

Given:

Mean height of 30 students = 140 cm

Formula Used:

$\text{Average} = \dfrac{Sum\ of\ height}{Total\ No\ of\ height}$

Calculations:

The mean height of 30 students was given as 140 cm

$\Rightarrow$ Average $= \dfrac{Sum\ of\ height}{Total\ No\ of\ height}$

$\Rightarrow 140 = \dfrac{Sum\ of\ height}{30}$

$\Rightarrow$ Sum of height = 4200

One of the observations was incorrectly copied as 121 cm while it was actually 134 cm

$\Rightarrow$ Sum of heights after correction = 4200 – 121 + 134 = 4200 + 13 = 4213 cm

$\Rightarrow$ New Average $= \dfrac{Sum\ of\ height}{Total\ No\ of\ height} = \dfrac{4213}{30} = 140.4 cm$

Hence, The mean height of 30 students after correction is 140.4 cm

---

47. Answer: d

Explanation:

GIVEN:

Rahul sold a box for Rs. 1,440 at a loss of 40%

Rahul has to earn a profit of 40%

FORMULA USED:

Profit/Loss%= $\frac{profit/loss}{CP} \times 100$

CALCULATIONS:

As Rahul sold the box for Rs. 1440 at a loss of 40%

⇒ Loss %= $\frac{loss}{CP} \times 100$

⇒ $40 = \frac{CP-SP}{CP} \times 100$

⇒ 2CP = (CP - 1440) x 5

⇒ 2CP = 5CP - 7200

⇒ 5CP - 2CP = 7200

⇒ 3CP = 7200

⇒ CP = Rs.2400

The cost of the article = Rs. 3400

Now, Rahul has to earn a profit of 40%

⇒ Profit% $= \frac{profit}{CP} \times 100$

⇒ $40 = \frac{SP-CP}{2400} \times 100$

⇒ 40 x 24 = SP - 2400

⇒ SP = 960 + 2400

⇒ SP = Rs. 3360

Hence, The selling price of the article to earn a profit of 40% is Rs. 3360

---

48. **Answer: d**

Explanation:

Given:

Principle (P) = 12000

T = 2 yrs

Interest = Rs. 3870

Formula Used:

Amount = $P \times (1 + \frac{R}{100})^T$

Calculations:

⇒ Interest = Amount - Principle

⇒ 3870 = Amount - 12000

⇒ Amount = 12000 + 3870

⇒ Amount = 15870

From above formula

⇒ $Amount = P \times (1 + \frac{R}{100})^T$

⇒ $15870 = 12000 \times (1 + \frac{R}{100})^2$

⇒ $\frac{15870}{12000} = (\frac{100+R}{100})^2$

⇒ $\frac{529}{400} \times 100 \times 100 = (100 + R)^2$

⇒ $\sqrt{529 \times 25} = (100 + R)$

$\sqrt{13225} = (100 + R)$

⇒ 100 + R = 115

⇒ R = 115 −100

⇒ R = 15%

Hence, The rate of interest on the amount of Rs. 12000 lent for 2 yrs is 15%

---

49. **Answer: a**

Explanation:

Given:

The perimeter of an equilateral triangle = 40 + x

Formula used:

Perimeter of equilateral triangle = Sum of all sides

Calculations:

Let the side of the equilateral triangle is x cm

According to the question,

Perimeter of equilateral triangle = sum of all sides

⇒ 40 + x = x + x + x

⇒ 40 + x = 3x

⇒ 40 = 3x – x

⇒ 2x = 40

⇒ x = 20cm

Hence, The length of the sides of the triangle is 20cm

---

50. **Answer: c**

Explanation:

Concept used:

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

Calculations:

$$\Rightarrow x = \frac{1}{7} \times \frac{1}{8} \div \frac{1}{4} + \frac{1}{3} \times \frac{1}{9} + \frac{1}{6} \div \frac{1}{12} \, of \, \frac{3}{7}$$

Here, We have to first solve **Of** part then the **Divide** part and then **Multiply**, and then the **Addition**

$$\Rightarrow x = \frac{1}{7} \times \frac{1}{2} + \frac{1}{3} \times \frac{1}{9} + \frac{1}{6} \div \frac{1}{28}$$

$$\Rightarrow x = \frac{1}{7} \times \frac{1}{2} + \frac{1}{3} \times \frac{1}{9} + \frac{14}{3}$$

$$\Rightarrow x = \frac{1}{14} + \frac{1}{27} + \frac{14}{3}$$

$$\Rightarrow x = \frac{1805}{378}$$

Hence, The value of the x is $\frac{1805}{378}$

---

51. Answer: c

Explanation:

The correct answer is **Verbatim**.

⭐ Key Points

- The correct answer for the given group of words is Verbatim.
- Verbatim meaning is precisely the exact words as were used initially.
- Thus the correct answer is Verbatim.

⭐ Additional Information

- Imprecise means a lack of precision and accuracy in expression or detail.
- Strict means requiring that behavioural guidelines be followed and obeyed.
- Neutral means not assisting or backing either party in a fight, argument, etc.

---

52. Answer: b

Explanation:

The correct answer is **presented off** .

⭐ Key Points

- The part that contains the error from the given options is presented off .
- **Off** can also be used to indicate that something is not in a specific location.
- **With** is used after various adjectives that express how individuals feel about others.
- Thus the correct sentence would be **He has been presented with honorary awards.**

⭐ Additional Information

- **With** is a function word that is used to denote a participant in an action, transaction, or arrangement.
  - He works with his father.
  - A talk with a friend.
  - Got into an accident with the car.
- **Off** is most commonly used as an adverb or as a preposition. It denotes detachment or disconnection in both circumstances.
  - Steve set off into the city after walking Taylor home.

○ They took the wheel off the car.

---

53. Answer: c

Explanation:

The correct answer is **Tire.**

⭐ **Key Points**

- The most appropriate Antonym of the given word is **Tire.**
- **Tire** means **feeling or producing the need for rest or sleep.**
- **Invigorate** means **providing energy or strength** .
- They both are opposite each other. Thus the correct answer is Tire.

⭐ **Additional Information**

- **Deform** means **alter the form.**
- **Energise** means **lending energy and enthusiasm.**
- **Grow** means **developing naturally by growing in size and changing physically.**

---

54. Answer: c

Explanation:

The correct answer is **Incitement.**

⭐ **Key Points**

- The most appropriate synonym of the underlined word in the given sentence is Incitement.
- Incitement is the act of inciting illegal behaviour or pushing someone to engage in illegal behaviour
- Impetusm eans the energy or power with which a body moves
- Thus the correct synonym is incitement.

⭐ <u>Additional Information</u>

- **Detachment** means **the state of being objective or aloof.**
- **Aversion** means **a strong dislike or aversion.**
- **Disfavour** means **dislike or disapproval.**

---

55. Answer: b

Explanation:

The correct answer is **Monumental.**

⭐ <u>Key Points</u>

- The correctly spelt word is Monumental.
- The other three words are wrongly spelt.
- Thus the correct answer is   Monumental.

⭐ <u>Additional Information</u>

- Monumental means are great in significance, scope, or size.
- Synonyms of Monumental are gigantic, enormous, memorial, and celebratory.
    - We were overjoyed beyond words; it was a monumental success.
    - The monumental records of Egypt are the source of the earliest information on farming.

---

56. Answer: c

Explanation:

The correct answer is **Terrible.**

⭐ <u>Key Points</u>

- The most appropriate option to fill in the blank is Terrible.

- The context tells us that the person was unable to leave the house since the weather was miserable.
- Terrible is the adjective which means **extremely bad or serious** . (अत्यंत बुरा या गंभीर।)
- Thus the correct answer is Terrible.

⭐ Additional Information

- The meanings of the rest of the options are given below:
  - **Serious:** bad or dangerous (बुरी हालत या ख़तरनाक या चिंताजनक)
  - **Inept:** not able to do something well (कोई काम अच्छे ढंग से करने में असमर्थ)
  - **Slight:** very small; not important or serious (बहुत छोटा; बड़ा या गंभीर नहीं, मामूली)

---

57. **Answer: a**

Explanation:

The correct answer is **by far the best.**

⭐ **Key Points**

- The option that will improve the underlined part of the given sentence is by far the best.
- The proposition **On** is used when something touches something else.
- The preposition **By** is used for is used to specify who or what is performing the action or how it is performed.
  - **Examples-** *We are going to visit my sister **by** bus.*
  - *My mother puts me **on** the bus to go to school.*
- When discussing something specific, the definite article **'the'** is used.
- When discussing something in general, the indefinite articles **'a'** and 'an' (when the noun begins with a vowel) is used.
  - **Examples-** *I need a book.*
  - *Where is **the** book?*
- Thus the correct answer is   by far the best.

⭐ Additional Information

- There are other uses of **On** with examples-
  - (Refers to a surface of something) *He kept the dishes on the dining table.*
  - (Specifies days and dates) *Monisha will come on Monday.*
  - (Refers TV or other devices) *Mohan is on the phone.*
  - (Refers the parts of the body) *I keep wearing my wedding ring on my finger.*
  - (To refer a state) *The products available in the store are on sale.*
- There are other uses of **By** with Examples-
  - (Place)*The house is by a river.*
  - (Method of transport)*David went to Manchester by train.*
  - (Method of communication)*I spoke to her by telephone* .
  - (Method of payment)*We paid for the computer by cheque.*
  - (With the passive) *The kitchen is being cleaned by David.*

---

58. **Answer: d**

Explanation:

The correct answer is **Disclose.**

⭐ <u>Key Points</u>

- The most appropriate synonym of the given word is Disclose.
- Reveal means making public to others previously unknown or secret knowledge.
- Thus the correct answer is   Disclose.

⭐ <u>Additional Information</u>

- The synonyms of the word **Reveal** are **divulged, disclose, tell** etc.
- The antonyms of the word **Reveal** are- **hide, conceal etc.**
- **A curb** means a**constraint or checks on something** .
- **Darken** means **making something dark or darker.**
- **A veil** means a**fine piece of fabric worn by women to protect or conceal the face.**

59. Answer: a

Explanation:

The correct answer is **To feel nervous about doing something.**

⭐ <u>Key Points</u>

- The most appropriate meaning of the given idiom is **To feel nervous about doing something.**
- **Getting cold feet** means **To feel scared or anxious before attempting to perform something, typically to the point of attempting to avoid it.**
  - Example- *she always gets cold feet before a performance.*
  - *Her boyfriend got cold feet about being in a committed relationship.*
- Thus the correct answer isTo feel nervous about doing something.

⭐ <u>Additional Information</u>

- Difference between Idioms and phrases-
- **Idioms** - An idiom is a collection of words, a saying, or a phrase that has a symbolic rather than literal meaning and is widely used. It is a type of artistic expression that is unique to a certain movement, period, individual, medium, or instrument. theidioms.com is the source.
  - **Examples-** *Piece of cake*
  - *once in a blue moon*
- **Phrases-** A phrase is a collection of words that function as a single grammatical unit, usually as part of a clause or sentence. Because a phrase lacks a subject and verb, it cannot convey a complete notion. A clause compares with a phrase. **Examples-**
  - Show Simon your project **in the morning.**
  - The boy **with autism** is the group leader.

60. Answer: a

Explanation:

The correct answer is **I s used in every.**

⭐ **Key Points**

- The option that will improve the underlined part of the given sentence **is used in every.**
- The given sentence is a passive of Present Indefinite tense. In the passive form, we always use the third form of a verb.
- Thus the correct answer is used in every.

⭐ **Additional Information**

- There are three types of tenses- **Present, Past and Future** .
- Every type of tense has 4 subtypes of tenses- **Indefinite, continuous, perfect and perfect continuous.**
- We usually make **passive sentences** only for **Indefinite, continuous and perfect in the present, past tenses and future indefinite.**

61. **Answer: d**

Explanation:

The correct answer is **At** .

⭐ **Key Points**

- The most appropriate option to fill in the blank is **At** .
- The **At** is a proposition which we can use for **referring to specific areas in cities or the countryside, the preposition 'at' is employed.**
   - Examples- *We often have lunch at the docks.*
   - *He told me he would be at the bus stop at three o'clock.*
- Thus the correct answer is **At.**

⭐ **Additional Information**

- With – With is used in a number of expressions that say how people express their emotions and sensations.
  - **Examples** – *The old woman was shivering with cold.*
- By – When "by" is used as a preposition of place before a place, it means "beside" / "at the side of" / "next to".
  - **Examples-** *We live by an airport.*
- AT – With particular points on the clock we can use AT.
  - **Example-** I'll see you at five o'clock.

---

62. Answer: a

Explanation:

The correct answer is **have still not reached** .

⭐ Key Points

- The option that will improve the underlined part of the given sentence is **have still not reached.**
- The given sentence is **present perfect tense** so the form of verb must be **third form.**
- Always with the **plural subject help verb have use.**
- Thus the correct sentence would be **After all the fuss, the companies** have still not reached a consensus.

⭐ Additional Information

- **Present Perfect tense –** The present perfect tense is used in a sentence to represent a recent past action that still has an effect in the present, or an action that represents an indefinite time in the past.
- **Structure –** S + have/has + V3 + O
  - **Examples-** *I have finished my work.*
  - *I have not finished my work.*
  - *Have I finished my work?*

---

63. **Answer: a**

Explanation:

The correct answer is **Scarce.**

⭐ **Key Points**

- The most appropriate option to fill in the blank is **scarce** .
- Here the word **scarce** shows **the quality of the food.**
- Thus the correct answer is **Scarce.**

⭐ **Additional Information**

- **Scarce** means are **insufficient for the demand.**
- **Crass** means **showing no intelligence or sensitivity.**
- **Chance** means a **possibility of something happening.**
- **Farce** means **a humorous dramatic piece that employs buffoonery and horseplay, as well as coarse characterization and ludicrously impossible events.**

64. **Answer: d**

Explanation:

The correct answer is **Agitated .**

⭐ **Key Points**

- Th e most appropriate ANTONYM of the given word is **Agitated.**
- Agitated means **feeling or appearing troubled or nervous.**
  - **For Example –** There's no point getting **agitated** .
- Thus, the correct answer is Option 4.

⭐ **Additional Information**

- **Unperturbed** means **not perturbed or concerned.**
- **Pleased** means **feeling or showing pleasure and satisfaction, especially at an event or a situation.**
- **Composed** means **having one's feelings and expression under control.**

---

65. Answer: b

Explanation:

The erroneous part is: **lay between** .

⭐ **Key Points**

- The part that contains the error from the given options is **'lay between'.**
- **Lay:** to put somebody/something carefully in a particular position or on a surface.
    - For example: Please lay the child gently down on her bed.
- As we can see, the use of 'lay' in the given question is contextually incorrect.
- Instead, 'lie' must replace 'lay' to make the sentence grammatically correct.
- **Lie:** to exist or to be found somewhere.
    - For example: The sacred land lies between the two rivers.
- Similarly, in this context, the mountains 'lie' between the two countries.

Therefore, the correct answer is: *The Andes mountains **lie** between Chile and Argentina.*

---

66. Answer: c

Explanation:

The correct answer is **No.**

⭐ **Key Points**

- The most appropriate option to fill in the blank is **No** .

- Because We use **No before a noun phrase.**
- Thus the correct answer is **No.**

⭐ Additional Information

- **Key Difference -** The key distinction between 'no' and 'not' is that no is usually used as an interjection to emphasise that something is negative. Alternatively, 'not' is most commonly employed as an adverb, i.e. to negate a verb. To put it simply, no is used to negate a noun, whereas not is used to negate a verb.
    - ○ *Examples-* *There's no address on the envelope.*
    - ○ *It's not often that you stop and think about the way you breathe.*

---

67. Answer: b

Explanation:

The correct answer is **that possesses a range.**

⭐ Key Points

- The part that contains the error from the given options is, that possesses a range.
- The word possesses should possess. Because singular nouns will be used.
- Thus the correct answer is, that possess a range.

⭐ Additional Information

- The distinction between singular and plural nouns is obvious. A single noun is one that only refers to one person. It is plural when a noun denotes more than one.
    - ○ **Examples-** The hat cat never seems to tire of jumping in and out of the box.
    - ○ You stole my idea and didn't give me any credit.
    - ○ Those cats never seem to tire of chasing one another in and out of those boxes.
    - ○ You stole my ideas and didn't give me any credit.

68. Answer: b

Explanation:

The correct answer is **Deceive.**

⭐ <u>Key Points</u>

- The correctly spelt word is **Deceive.**
- The other three words given in the option are **misspelt.**
- Thus the correct answer is **Deceive.**

⭐ <u>Additional Information</u>

- **Deceive** means **deliberately causing (someone) to believe something that is not true.**
- The synonym of the given is a **swindle, defraud, cheat, trick** etc.
- The antonyms of the given word **advise, undeceive ,interact.**

69. Answer: b

Explanation:

The correct answer is **To start a movement.**

⭐ <u>Key Points</u>

- The most appropriate meaning of the given idiom is To start a movement.
- **To blaze the trail** means **To be the first to do anything, often something that is later mimicked or improved upon by others.**
- Thus the correct answer is To start a movement.

⭐ <u>Additional Information</u>

- There are some famous Idioms and their meanings,

- **Down-To-Earth** - sensible and realistic
  - *She's a down-to-earth sort of woman with no pretensions .*
- **Hang in there** - Don't give up
  - *Don't be like Hang and there.*
- **Black and blue-** Describe something that is badly bruised
  - *The father pinched his baby black and blue.*

---

70. Answer: b

Explanation:

The correct answer is **caught early.**

⭐ <u>Key Points</u>

- The most appropriate option to substitute the underlined segment in the given sentence is caught early.
- It is a conditional sentence here we verb's third form will come.
- Thus the correct answer is caught early.

⭐ <u>Additional Information</u>

- If conditionals rule-
- When the if-clause comes before the main clause, use a comma after it.
  - If I'd had time, I would have cleaned the house.
- There is no need for punctuation if the main clause comes before the if clause.
  - I would have cleaned the house if I'd had time.

---

71. Answer: d

Explanation:

The correct answer is **established.**

⭐ <u>Key Points</u>

- The most appropriate option to fill in the blank number 1 is established.
- **Establish means** setting up on a permanent or firm basis.
- Thus the correct answer is established.

⭐ <u>Additional Information</u>

- **Implanted** means **inserting or fixing (tissue or an artificial object) in a person's body, especially by surgery.**
- **Founded** means **based on good evidence or reasons.**
- **Resurrected**Means **restoring (a dead person) to life** .

---

72. **Answer: a**

Explanation:

The correct answer is **At.**

⭐ <u>Key Points</u>

- The most appropriate option to fill in blank number 2 is **At.**
- **At is** used **as a function word to indicate the goal of an indicated or implied action or motion.**
- Thus the correct answer is **At.**

⭐ <u>Additional Information</u>

- **From** used as a function word to indicate the beginning of a physical movement, the beginning of measuring or reckoning, or the beginning of a statement of limits.
    - *He came here from the city.*
- **On –** a function word used to indicate a position in contact with and supported by the top surface of something.
    - *The book is lying on the table.*
- *Of is* used as a function word to indicate a point of reckoning.
    - *It is north of the lake.*

73. Answer: c

Explanation:

The correct answer is **Has been.**

⭐ Key Points

- The most appropriate option to fill in the blank number 3 is Has been.
- T he given fill-in-the-blank is a part of the present perfect continuous.
- Thus the correct fill-in blank has been.

⭐ Additional Information

- **The present perfect tense** - The present perfect continuous tense (also known as the present perfect progressive tense) indicates that something began in the past and is still ongoing in the present.
  - **Examples** –*I have been reading War and Peace for a month now.*

74. Answer: c

Explanation:

The correct answer is **Because.**

⭐ Key Points

- The most appropriate option to fill in blank number 4 is Because.
- We can use because to explain why something is the way it is.
- Thus the correct answer is **Because.**

⭐ Additional Information

- **Uses of because-**
- We can begin an answer with **because + subject + verb** ,

- _we are late Because the traffic was very bad._
- _I ate a lot because I was hungry._

---

75. Answer: c

Explanation:

The correct answer is **Form.**

⭐ **Key Points**

- The most appropriate option to fill in blank number 5 is **Form.**
- **From** is commonly used to suggest that something stems from something else, that something comes from somewhere, or that something comes from someone.
- Thus the correct answer is **Form.**

⭐ **Additional Information**

- **From** can also be combined with the prepositions 'to' and 'till' to indicate the beginning and end of an action or state.
  - _I played tennis from two to four in the afternoon yesterday._
  - _We are meeting in Chicago from Monday until Thursday._

---

76. Answer: d

Explanation:

Correct answer is **Battle of hydspace.**

⭐ **Key Points**

- The **Battle of the Hydaspes** was fought between **Alexander the Great and King Porus in 326 BC.**

- It took place on the **banks of the Jhelum River** (known to the ancient Greeks as Hydaspes) in the Punjab region of the Indian subcontinent.
- The main reasons for Porus's defeat were **Alexander's use of clever tactics, and the Macedonians' superior discipline and technology**.
- The Indians used chariots which were inferior to the **Greek's cavalry.**
- They did not have a well supported military infrastructure or a standing army.

⭐ Additional Information

- **The Battle of Plassey** was a decisive victory of the British East India Company over the Nawab of Bengal and his French allies on **23 June 1757,** under the leadership of Robert Clive.
- The Mahabharata describes that, **the third Pandava, Arjuna, defeats all the kings of Shakala in his Rajasuya conquest.**
- **Kalinga was an important kingdom because it controlled the trade routes with Southeast Asia**. So Ashoka wanted to capture it and lead his huge army to Kalinga in 262 BC.

---

77. **Answer: c**

Explanation:

The correct answer is **Nil.**

⭐ Key Points

- Up to Rs 2.5 lakh income, there is **no tax.**
- While it is advisable to file ITR on or before 31st July 2022 if one's annual income is above ₹2.5 lakh, **it is also advisable for those whose annual income is below**

₹2.5 lakh under certain circumstances.

- If an earning individual has **incurred losses from the stock market, mutual funds, properties, etc.**
- The income tax exemption limit is **up to Rs 2,50,000 for Individuals, HUF below 60 years aged and NRIs.**

Option 1	Existing Regime Slab Rates for FY 19-20 & FY 20-21		Option 2	New Income Tax Slab Regime (Applicable for All Individuals & HUF)	
₹0 - ₹2,50,000		Nil	₹0 - ₹2,50,000		Nil
₹2,50,001 - ₹3,00,000		Nil	₹2,50,001 - ₹3,00,000		Nil
₹3,00,001 - ₹5,00,000		Nil	₹3,00,001 - ₹5,00,000		5% (Tax Rebate u/s 87A is available)
₹5,00,001 - ₹7,50,000		20%	₹5,00,001 - ₹7,50,000		10%
₹7,50,001 - ₹10,00,000		20%	₹7,50,001 - ₹10,00,000		15%
₹10,00,001 - ₹12,50,000		30%	₹10,00,001 - ₹12,50,000		20%
₹12,50,001 - ₹15,00,000		30%	₹12,50,001 - ₹15,00,000		25%
Above ₹ 15,00,000		30%	Above ₹ 15,00,000		30%

⭐ **Additional Information**

- An income tax is **a tax imposed on individuals or entities in respect of the income or profits earned by them.**
- Income tax generally is computed as the product of a tax **rate times the taxable income.**
- Taxation rates **may vary by the type or characteristics** of the taxpayer and the type of income.

---

78. **Answer: a**

Explanation:

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

⭐ <u>Key Points</u>

- India has 15,106 kilometers of land borders and a **coastline of about 7,516 kilometers**.
- Only 5 out of 28 Indian states have no international border or coastal line

⭐ <u>Additional Information</u>

- Those long borders are shared with seven countries — China, Pakistan, Bhutan, Myanmar, Afghanistan, Nepal, and Bangladesh .
- Bangladesh and Pakistan share both land borders as well as maritime borders, while Sri Lanka shares only a maritime border through Ram Setu.

---

79. **Answer: b**

Explanation:

The correct answer is <u>Rukmini Devi Arunda.</u>

⭐ <u>Key Points</u>

- **Rukmini Devi Arundale** was an Indian theosophist, dancer, and choreographer of the Indian classical dance form of Bharatanatyam, and a campaigner for animal welfare.
- One of the foremost transformative contributions that Rukmini Devi made to dance is to do with its pedagogy.
- She was awarded the **Padma Bhushan in 1956, and the Sangeet Natak Akademi Fellowship in 1967.**
- She as well worked for the re-constructed of traditional Indian arts and crafts.

⭐ <u>Additional Information</u>

- **Vanraj Bhatia** was an Indian writer best famous for his work in Indian New Wave cinema.
- **Thanjavur Shankara Iyer** is a creative composer, concert artiste and dearest teacher.
- **Vijay K Celliah** is a Producer from India.

---

80. **Answer: d**

Explanation:

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

⭐ <u>Key Points</u>

- Nandikeshvara was a major **theatrologist** of ancient India.
- He was the **author** of the **Abhinaya Darpana** lit.
- Abhinaya Darpanam is **a Sanskrit treatise on Indian classical dances having a detailed account of dance movements and expressions.**
- The entire text is composed in **poetry (padya) form.**
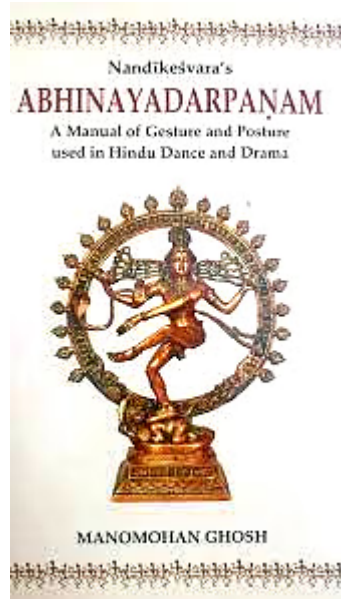
⭐ <u>Additional Information</u>

- **Sushruta was the main author of Sushruta Samhita**.
- **Yaska** is the **author of the Nirukta**, a technical treatise on etymology, lexical category and the semantics of Sanskrit words.
- He is thought to have succeeded Śākaṭāyana, an **old grammarian and expositor of the Vedas,** who is mentioned in his text.
- **Amar Singh** wrote Reversing the Gaze.

---

81. **Answer: a**

Explanation:

The correct answer is <u>**Smriti Irani.**</u>

⭐ <u>Key Points</u>

- **Women and Child Development Minister Smriti Irani** launched the Stree Manoraksha Project for capacity building of One Stop Centre, on **2 March 2022.**
- This project has been designed to end the **cycle of violence against women.**
- **Smriti Zubin Irani** is an Indian politician and a former television actress and producer.

- Irani was the **youngest minister in the 2019 Council of Ministers**, when she was sworn in as a Cabinet Minister in **May 2019 at the age of 43.**

⭐ **Additional Information**

- **Uma Bharti** is an Indian politician and former **Chief Minister of Madhya Pradesh.**
- **Mamata Banerjee** is an Indian politician who is **serving as the eighth and current chief minister of the Indian state of West Bengal** since **20 May 2011**, the first woman to hold the office.
- **Vasundhara Raje Scindia** is an Indian politician, who has held two terms as the **chief minister of Rajasthan.**

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82. **Answer: d**

Explanation:

The correct answer is **Neeraj Chopra.**

⭐ **Key Points**

- India's Neeraj Chopra became only the second individual Indian athlete after Abhinav Bindra to be crowned Olympic champion
- He won gold in the men's javelin throw at the Tokyo Olympic
- The gold medal is also India's first Olympic medal in track-and-field events

⭐ **Additional Information**

- Neeraj Chopra is an Indian track and field athlete who is the reigning Olympic champion and world championship silver medalist in the javelin throw

- He is the first Asian athlete to win an Olympic gold medal in men's javelin throw

83. Answer: a

Explanation:

The correct answer is in the afternoon.

⭐ **Key Points**

- The maximum **temperature of the day** occurs generally in the afternoon while the minimum **temperature** occurs generally in the early **morning**
- Daily air temperatures at Earth's surface are controlled by the incoming and outgoing energy.

⭐ **Additional Information**

- During the day, the air temperature increases as energy gains exceed the energy lost from Earth's surface .
- Throughout the night, the air temperature decreases as Earth's surface loses more energy than it receives

84. Answer: d

Explanation:

The correct answer is Its founders did not believe in God.

⭐ <u>Key Points</u>

- Paramahansa Mandali was a secret socio-religious group, established in 1849, in Bombay .
- It is closely related to Manav Dharma Sabha which was found in 1844 in Surat.
- It was started by Durgaram Mehtaji, Dadoba Pandurang and a group of his friends.
- The members of the organization believed in One god.

⭐ <u>Additional Information</u>

- They supported widow remarriage.
- The member of the organization used to take food prepared by lower-caste people

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85. **Answer: d**
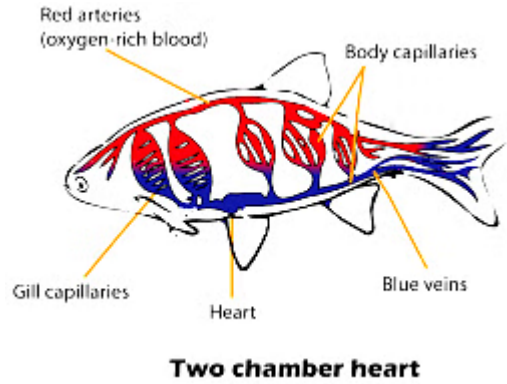
Explanation:

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

⭐ <u>Key Points</u>

- Fishes have a two-chambered heart. The heart consists of an atrium and a single ventricle.
- The atrium receives blood and the ventricle is responsible for pumping

⭐ <u>Additional Information</u>

- The oxygenation of blood happens through the gills.
- The circulation in fishes is also a single circulation in a single direction - unidirectional flow

Two chamber heart

---

86. **Answer: b**

Explanation:

The correct answer is **Goa**

⭐ **Key Points**

- Pramod Sawant, who led the BJP to win 20 seats in the recently concluded elections to the 40-member Goa Assembly, was sworn in as the state's Chief Minister for the second time.
- Goa Governor PS Sreedharan Pillai administered the oath to 48-year-old Mr. Sawant in a ceremony at the Dr. Syama Prasad Mookerjee stadium near the state capital Panaji.

⭐ **Additional Information**

- Prime Minister Narendra Modi, Union Minister Nitin Gadkari, BJP national president JP Nadda, Himachal Pradesh Governor Rajendra Arlekar, former Maharashtra Chief Minister Devendra Fadanavis were among those who attended the event.

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87. **Answer: b**

Explanation:

The correct answer is <u>Lata Mangeshkar.</u>

⭐ <u>Key Points</u>

- **Lata Mangeshkar is** a singer famous as the **'nightingale of India'** for her melody voice.
- She sang for above **50 years** for actresses from **Nargis to Preity Zinta, and** also recorded albums of all types **(ghazals, pop, etc)** .
- Lata Mangeshkar was an Indian playback singer and **infrequent music composer.**
- She is widely observed to have been one of the important and most **influential singers in India.**

⭐ <u>Additional Information</u>

- **Shreya Ghosal** is an Indian playback singer.
- **Arijit Singh** is an Indian singer and music composer.
- **Sunidhi Chauhan** is an Indian playback singer.

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88. **Answer: b**
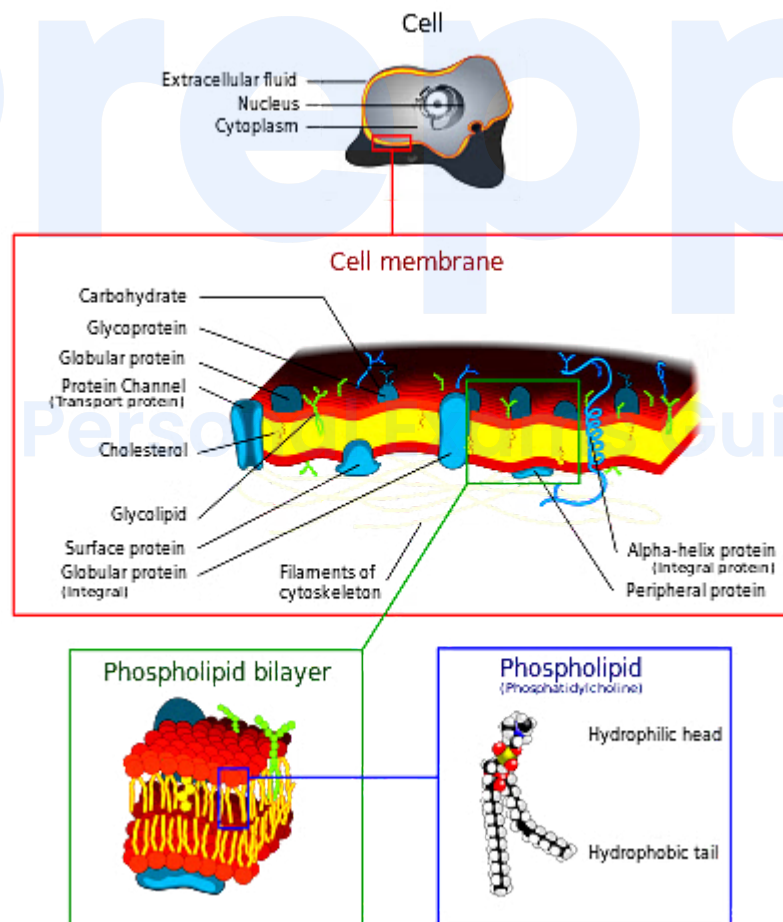
Explanation:

The correct answer is <u>The cytoplasm and nucleus are enclosed within the cell membrane, also called the plasma membrane</u>

⭐ Key Points

- The plasma membrane, also called the cell membrane, is the membrane found in all cells that separate the interior of the cell from the outside environment
- In bacterial and plant cells, a cell wall is attached to the plasma membrane on its outside surface.

⭐ Additional Information

- Biological membranes have primary functions
- They keep toxic substances out of the cell
- They contain receptors and channels that allow specific molecules, such as ions, nutrients, wastes, and metabolic products.

89. Answer: a

Explanation:

The correct answer is north-eastern region

⭐ Key Points

- **Shifting cultivation which is known as 'jhumming'** in Mizoram, is an integral part of the sociocultural life of Mizos .
- With the increase in population, the jhumming cycle has shortened considerably and the productivity of land has fallen with a devastating impact on the environment
- Jhumming is practiced in north-eastern states like Assam, Meghalaya, Mizoram, and Nagaland ; Pamlou in Manipur, Dipa in Bastar district of Chhattishgarh, and in Andaman and Nicobar Islands.

⭐ Additional Information

- The **Western Ghats or the Western Mountain range** is a mountain range that covers an area of 160,000 km² in a stretch of 1,600 km parallel to the western coast of the Indian peninsula, traversing the states of Gujarat, Maharashtra, Goa, Karnataka, Kerala and Tamil Nadu
- The **South Eastern Region is one of the five regions of Malta.** The region includes the southeastern part of the main island of Malta, including the capital Valletta. The region borders the Central and Southern Regions.
- Northeast India is the easternmost region of India representing both a geographic and political-administrative division of the country. It comprises eight states – Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim

---

90. Answer: b

Explanation:

The correct answer is **Sri Lanka**

⭐ Key Points

- The **Gulf of Mannar** is a large shallow **bay** forming part of the **Laccadive Sea** in the **Indian Ocean** with an average depth of 5.8 m.
- It lies between the southeastern tip of **India** and the west coast of **Sri Lanka**, in the **Coromandel Coast** region.
- The chain of low islands and reefs known as **Adam's Bridge** (aka Rama Sethu), which includes **Mannar Island**, separates the Gulf of Mannar from **Palk Bay**, which lies to the north between India and Sri Lanka

⭐ Additional Information

- The estuaries of the **Thamirabarani River** and **Vaippar River** of **South India** and the **Malvathu Oya** (Malvathu River) of Sri Lanka drain into the Gulf.
- The **dugong** (sea cow) is found here.
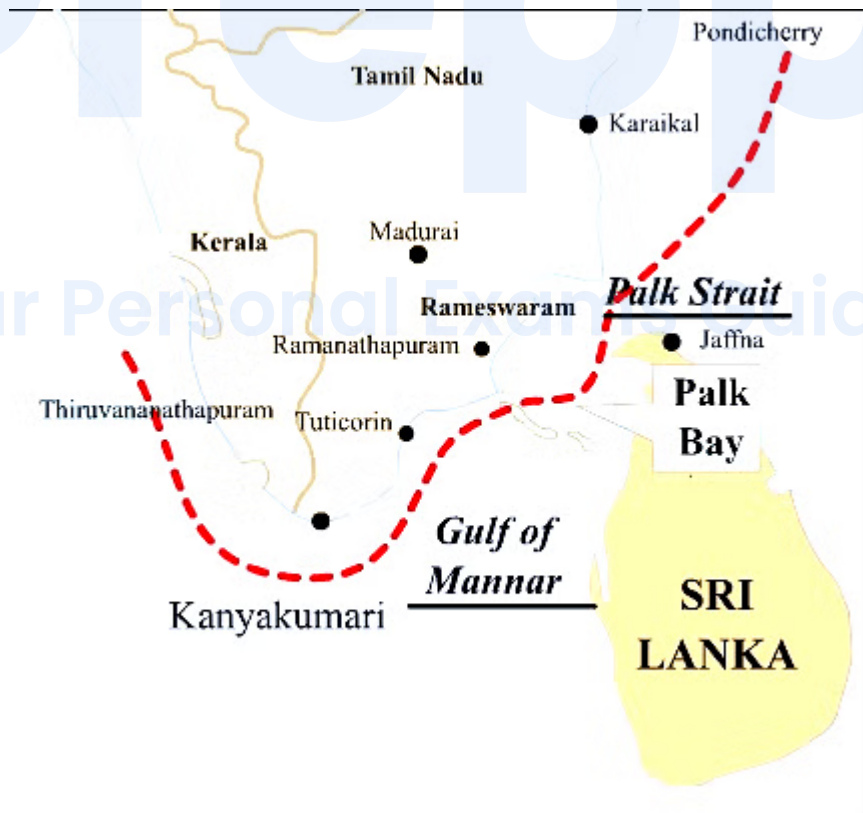
91. Answer: d

Explanation:

The correct answer is **Boyle's Law**

⭐ **Key Points**

- Boyle's law also referred to as the Boyle–Mariotte law, or Mariotte's law, is an experimental gas law that describes how the pressure of a gas tends to decrease as the volume of the container increases.

⭐ **Additional Information**

- Charles's law, a statement that t he volume occupied by a fixed amount of gas is directly proportional to its absolute temperature if the pressure remains constant
- Three Kepler's law state s   (1) planets move in elliptical orbits with the Sun as a focus, (2) a planet covers the same area of space in the same amount of time no matter where it is in its orbit, and (3) a planet's orbital period is proportional to the size of its orbit (its semi-major axis).
- Graham's law states that the rate of diffusion or effusion of a gas is inversely proportional to the square root of its molar mass . The Formula can be written as. M1 is the molar mass of gas 1. M2 is the molar mass of gas 2.

---

92. Answer: d

Explanation:

The correct answer is **Chaul.**

⭐ **Key Points**

- **Vijayalaya was the originator of the Imperial Chola dynasty** which was the starting of one of the most superb empires in Indian history.

- Vijayalaya acquire the Tanjore kingdom in the **8th century** and led to the rise of the fearsome Cholas by beating the Pallavas.
- Tanjore was hence built as the first capital of the illustrious **Chola Empire.**
- **Rajendra Chola III** was the last king of the Chola Dynasty.

⭐ Additional Information

- The **Chalukya dynasty** was a Classical Indian dynasty that governed large parts of s **outhern and central India** between the **6th and 12th centuries** .
- The originator of the **Chera dynasty** was Uthiyan Cheral Athan.
- **Pala dynasty was** , governing dynasty in Bihar and Bengal, India, from the **8th to the 12th century.**

---

93. Answer: d

Explanation:

The correct answer is **four-day**

⭐ Key Points

- Makara/Makar Sankranti or Uttarayan or Maghi or simply Sankranti, also known in West Bengal as Mokor Sonkranti, in Mithila as Til Sakraait and in Nepal as Maghe Sankranti, 'Sankranti' here means 'transfer', this day is considered as the transition day of Sun into Capicorn
- Every year Makar Sankranti is celebrated in the month of January. This festival is dedicated to the Hindu religious sun god Surya.

⭐ Additional Information

- This festival is known all around the northern states and is celebrated with full of enthusiasm.
- This significance of Surya is traceable to the Vedic texts, particularly the Gayatri Mantra, a sacred hymn of Hinduism found in its scripture named the Rigveda

1. ⭐ **Additional Information**

   Your Personal Exams Guide

2.

- This significance of Surya is traceable to the Vedic texts, particularly the Gayatri Mantra, a sacred hymn of Hinduism found in its scripture named the Rigv

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94. **Answer: a**

Explanation:

The correct answer is **New Zealand.**

⭐ **Key Points**

- The 2021 Women's World cup is scheduled to be held in Zimbabwe in December and November 2021.
- The tournament will be the final qualification of the World Women's Cup 2022.
- The top three teams qualifier will be selectively playing for the World cup 2022

⭐ Additional Information

- The 2022 ICC Women's Cricket World Cup **was the twelfth edition of the Women's Cricket World Cup**, which was held in New Zealand in March and April 2022.
- It was originally scheduled for 6 February to 7 March 2021 but was postponed by one year due to the COVID-19 pandemic.

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95. Answer: b

Explanation:

The correct answer is Jawaharlal Nehru

⭐ Key Points

- The Indian National Congress, on 19 December 1929, passed the historic 'Purna Swaraj' – (total independence) resolution – at its Lahore session.
- A public declaration was made on 26 January 1930 – a day which the Congress Party urged Indians to celebrate as 'Independence Day'.
- The Indian National Congress, colloquially the Congress Party but often simply the Congress, is a political party in India with widespread roots. Founded in 1885.

⭐ Additional Information

- India must sever the British connection and attain Purna Swaraj or complete independence. At midnight on New Year's Eve, President Jawaharlal Nehru hoisted the tricolor flag of India upon the banks of the Ravi in Lahore, which later became part of Pakistan.

- Dadabhai Naoroji in his presidential address at the 1886 National Congress in Calcutta **advocated for Swaraj as the sole aim of the nationalist movement, but along the lines of Canada and Australia, which was colonial self-government under the British crown.**
- Chittaranjan Das (5 November 1870 – 16 June 1925), popularly called Deshbandhu (Friend of the Nation), was an Indian freedom fighter, political activist and lawyer during the Indian independence movement and founder-leader of the Swaraj Party (Independence party) in Bengal during the period of British colonial rule

96. **Answer: a**

Explanation:

Correct answer is <u>100 cm and 70 cm.</u>

⭐ <u>Key Points</u>

- The **dry deciduous forests** are present in areas possess rainfall between **100 cm and 70 cm.**
- These forests are present in the rainier parts of the **Peninsular plateau and the plains of Bihar and Uttar Pradesh.**
- The yearly rainfall in the tropical dry deciduous forest is **100-150 cm.**
- There is a short yearly rainfall with **5 to 6 dry months within the annual cycle.**

⭐ <u>Additional Information</u>

- In India, the **dry deciduous forests** mainly occupy the **North India and southern regions of the Deccan Plateau.**
- They are as well present in the plains of **Bihar, Uttar Pradesh, and northeastern parts of the Peninsular plateau.**
- Trees like **Teak, Neem, Peepal, Sal, Khair, Bel, Axle wood, Palas, Laurel, etc are found here.**

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97. Answer: a

Explanation:

The correct answer is **65.**

⭐ **Key Points**

- The Supreme Court of India is the highest judicial court and the final court of appeal under the **Constitution of India, the highest constitutional court, with the power of judicial review.**
- Supreme Court Judges retire upon attaining the **age of 65 years.**

⭐ **Additional Information**

- India is a federal State and has a **single and unified judicial system** with three tier structure, i.e. Supreme Court, High Courts and Subordinate Courts.
- To be a Supreme Court judge, a person must necessarily be **a citizen of India and must have either been a judge of a High Court or two or more such courts in succession for at least five years** or must have been an **advocate of a High Court or of two or more such courts in succession for at least ten years.**

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98. Answer: c

Explanation:

The correct answer is **Raseedi Ticket.**

⭐ Key Points

- Amrita Pritam was an Indian novelist, essayist and poet, who wrote in Punjabi and Hindi.
- A prominent figure in Punjabi literature, she is the recipient of the 1956 Sahitya Akademi.
- Raseedi Ticket is Amrita Pritam's celebrated autobiography, which tells us how she felt distressed at the influence of hate ; she was traumatised by the horrors of the Partition, out of which her poem 'Vaaris Shah' was born.

⭐ Additional Information

- Midnight's Children is a 1981 novel by Salman Rushdie, published by Jonathan Cape with cover design by Bill Botten, about India's transition from British colonial rule to independence and partition
- The Story of My Experiments with Truth is the autobiography of Mahatma Gandhi, covering his life from early childhood through to 1921. It was written in weekly installments and published in his journal Navjivan from 1925 to 1929.
- Train to Pakistan is a historical novel by writer Khushwant Singh, published in 1956. It recounts the Partition of India in August 1947

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99. **Answer: a**

Explanation:

The correct answer is **Article 19 to 22**

⭐ Key Points

- The right to freedom gives citizens basic freedom with respect to speech and expression, form associations, freedom of personal liberty, freedom to live a life of dignity, etc.
- It is important to understand the scope of these provisions and any exceptions thereof.

⭐ Additional Information

The fundamental rights were originally provided by the Constitution

- Right to equality (Article 14–18)
- Right to freedom (Article 19–22)
- Right against exploitation (Article 23–24)
- Right to freedom of religion (Article 25–28)
- Cultural and educational rights (Article 29–30)
- Right to constitutional remedies (Article 32)
- Right to Education (Article 21A)

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100. **Answer: b**

Explanation:

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

⭐ <u>Key Points</u>

- Janjira is a colloquial and a more localized form of the **Arabic word Jazeera that means island**.
- The origin of this majestic fort can be traced down to the fifteenth century when some **local fishermen of Rajapuri** constructed a small **wooden fort on a huge rock** to protect themselves and their families from the pirate.

⭐ <u>Additional Information</u>

- It is considered to be India's strongest marine fort. While some records state that it was built as early as **1100**, more recent records show that **Murud-Janjira was built at the end of the 17th c entury.**