

Prepp

Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC GD Constable 2019 (English) Prev. Year Paper (05-Mar-2019) (Shift 2)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one or more correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

Navigating & Answering a Question

1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

Your Personal Exams Guide

General Intelligence and Reasoning

1. Dates of birth of some persons are given below. Find out the date of birth of the oldest person: (+1)

A. 12.08.1989

B. 13.09.1991

C. 19.06.1991

D. 20.02.1989

E. 22.03.1991

F. 20.01.1991

G. 20.12.1989

a. B

b. C

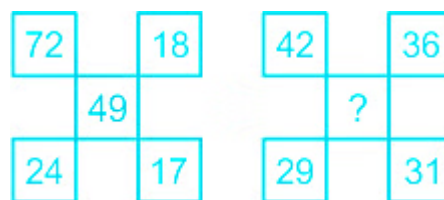
c. G

d. D

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Your Personal Exams Guide

2. Find the missing number from the below options. (+1)



a. 20

b. 18

c. 36

d. 24

3. In a certain code ROHIT is written as "TQJKV", how will COUNTRY be coded? **(+1)**

a. EQWPUTA

b. EQWVPTE

c. EQWVPAT

d. EQWPVTA

4. The statements below are followed by two conclusions labeled I and II. Assuming **(+1)** that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

All rivers are mountains.

All forests are mountains.

Conclusion:

I. Some forests are river.

II. No forest is a river.

a. Neither conclusion I nor II follows

b. Only conclusion II follows

c. Only conclusion I follows

d. Either conclusion I or II follows

5. Choose the odd one out from the given alternatives. (+1)

a. 78 : 4

b. 72 : 6

c. 39 : 3

d. 56 : 4

6. Select the correct option that will fill in the blank and complete the series. (+1)

Mhz, Ngy, Ofx, Pew, ?

a. Qrm

b. Rrn

c. Qdv

d. Qqn

7. Select the correct option that will fill in the blank and complete the series. (+1)

37, 26, 39, 24, 41,

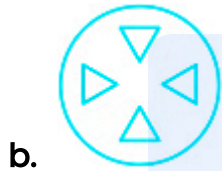
a. 22

b. 26

c. 23

d. 25

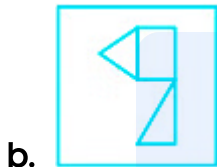
8. A piece of paper is folded and cut as shown below in the Question figures from the given answer figures, indicate the pattern that it will appear when it is opened? (+1)



9. If UPSIDE is coded as 74, then SHARKS will be coded as: (+1)
- a. 68
 - b. 72
 - c. 77

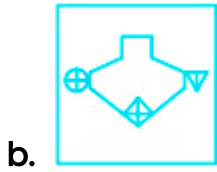
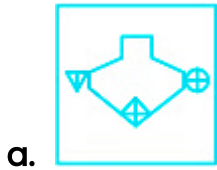
d. 76

10. Choose the option figure in which the problem figure is hidden/embedded. (+1)



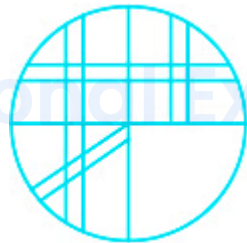
11. If a mirror is placed on MN line, then which of the answer figures will be the right image of the given figure? (+1)





12. Which of the following answer figure will complete the given figure?

(+1)



c.



d.

13. Select the option that is related to the third term in the same way the second term is related to the first term. (+1)

pRSq : tVWu :: iKLj : ?

- a. MrsQ
- b. MopN
- c. mRSq
- d. mOPn

14. Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one. (+1)

- a. Cargo
- b. Trolley
- c. Tempo
- d. Truck

15. Find the related numbers-pair from the given alternatives. (+1)

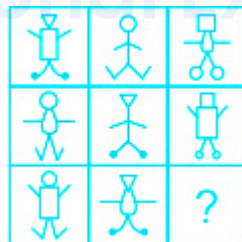
12 : 156 :: ?

- a. 10 : 101
- b. 15 : 340
- c. 10 : 110
- d. 7 : 50

16. In a queue, Lily is eighteenth from the front while Mini is sixteenth from the back. If Nisha is twenty-fifth from the front and is exactly in the middle of Lily and Mini, then how many persons are there in the queue? (+1)

- a. 47
- b. 45
- c. 48
- d. 46

17. Which of the following answer figure will complete the given figure? (+1)



- a.
- b.



c.



d.

18. Select the option that is related to the third term in the same way as the second term is related to the first term. (+1)

Bees : Hum :: Snakes : ?

- a. Hiss
- b. Hoot
- c. Roar
- d. Talk

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

Lion : Roar :: Elephant : ?

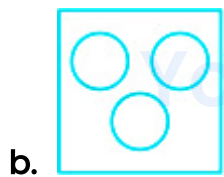
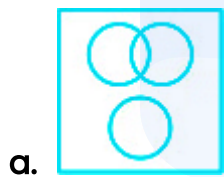
- a. Bark
- b. Bray
- c. Trumpet
- d. Grunt

20. Four letter clusters have been given out of which three are alike in some manner, while one is different. Choose the odd one. (+1)

- a. CFJ
- b. GJM
- c. TWZ
- d. DGJ

21. Select the Venn diagram that best illustrates the relationship between the three given classes. (+1)

Girls, Healthy, Trains



22. Select the correct option that will fill in the blank and complete the series. (+1)

1331, 121, 2197, 169, 3375,

- a. 216
- b. 215
- c. 225
- d. 205

23. A, B, C, D, E, F, G, and H are sitting around a circle facing at the center. E, is (+1)
second to the left of F and third to the right of A. B is third to the right of G who is
not an immediate neighbor of E or F. C is second to the right of B. D is to the
immediate left of A and third to the left of H. Who is the fifth to the right of C?

- a. H
- b. G
- c. B
- d. E

24. If 'q' stands for '+', 'y' stands for '-', 'z' stands for '÷' and 'p' stands for 'x', then the (+1)
value of:

$21q5p2y21z3$

- a. 24
- b. 31
- c. 35

d. 45

-
25. The statements below are followed by four conclusions labeled I, II, III and IV. **(+1)**
Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

Some Linear Equations are Quadratic Equations.

All Quadratic Equations are Algebraic Equations.

Conclusions:

I. All Linear Equations are Algebraic Equations.

II. Some Algebraic Equations are Linear Equations.

III. Some Algebraic Equations are Quadratic Equations.

IV. All Quadratic Equations are Linear Equations.

a. Only I and II follows.

b. Only II follows.

c. Only I follows.

d. Only II and III follow.

General Knowledge and General Awareness

26. _____ alloy consists of copper and tin. (+1)
- a. Bell Metal
 - b. Solder
 - c. Rose Metal
 - d. German silver
-
27. Which amendment to the constitution introduced the Goods and Services Tax (GST)? (+1)
- a. 103rd Constitution Amendment Act, 2018
 - b. 73rd Constitution Amendment Act of 1993
 - c. 101st Constitution Amendment Act, 2016
 - d. 92nd Constitution Amendment Act of 2003
-
28. The Maithon Dam is located in which state? (+1)
- a. Chhattisgarh
 - b. Jharkhand
 - c. Odisha
 - d. Madhya Pradesh
-

29. Name the class of folk songs of Goa, usually sung to mourn the death of the loved ones. (+1)

- a. Sumangali
 - b. Banvarh
 - c. Gha To Kito
 - d. Khubakeshei
-

30. Parliamentary form of government as laid down in the Indian Constitution is influenced by the constitution of _____ (+1)

- a. United Kingdom
 - b. Australia
 - c. United States
 - d. Ireland
-

31. Name the Sanskrit scholar who was awarded the Bharat Ratna? (+1)

- a. Madan Mohan Malaviya
 - b. Pandurang Vaman Kane
 - c. Purushottam Das Tandon
 - d. Bidhan Chandra Roy
-

32. Which of the following dances is a dance form from Chhattisgarh? (+1)

- a. Raut Nacha
 - b. Cheraw
 - c. Ottam Thullal
 - d. Macha
-

33. The Kila Raipur Rural Olympics is held annually in between January and February near ----- (+1)

- a. Gwalior
 - b. Ludhiana
 - c. Vadodara
 - d. Aizwal
-

34. The origin of the sun was approximately how many years before the present age? (+1)

- a. 4.6 billion years
 - b. 10.6 billion years
 - c. 1.5 billion years
 - d. 2.4 billion years
-

35. Which of the following is an autobiography by former Minister in charge of External Affairs, Kunwar Natwar Singh? (+1)

- a. Courage and Conviction

- b. Where Have I Been?
 - c. Ace Against Odds
 - d. One Life is not Enough
-

36. Which team won in the 2018 Pro Wrestling League finals? **(+1)**

- a. Punjab Royals
 - b. Delhi Sultans
 - c. Haryana Hammers
 - d. Veer Marathas
-

37. India defeated which team to win the Nidahas Trophy 2018 cricket Tri-Series Final played in March 2018? **(+1)**

- a. South Africa
 - b. West Indies
 - c. Bangladesh
 - d. England
-

38. Which British retired Civil Service Officer took the initiative to convene the first meeting of the Indian National Union? **(+1)**

- a. John Morley
- b. Edwin Montagu

- c. Allan Octavian Hume
 - d. Gilbert Elliot
-

39. Name the highest peak of the Satpura range. (+1)

- a. Dhupgarh
 - b. Kalsubai
 - c. Doddabetta
 - d. Anamudi
-

40. It was stated in the Union Budget 2018, that the Ujjwala Yojana, the free LPG connection scheme would be expanded to _____ crore Women. (+1)

- a. eight
 - b. six
 - c. two
 - d. four
-

41. Which Indian was crowned Miss World Continental Queen of Beauty—Asia & Oceania in 1999? (+1)

- a. Dia Mirza
- b. Yukta Mookhey
- c. Reita Faria

d. Priyanka Chopra

42. Moment of inertia of a thin rod of mass 'M' and length 'L' about the axis perpendicular to the rod and passing through its centre is _____ (+1)

a. $\frac{ML^2}{4}$

b. $\frac{ML^2}{6}$

c. $\frac{ML^2}{12}$

d. $\frac{ML^2}{2}$

43. The Charter Act of 1833 made the Governor-General of _____ as the Governor-General of India and vested in him all civil and military powers. (+1)

a. Oudh State

b. Bengal

c. Berar Province

d. United Provinces

44. In the Battle of Khatoli (1517) Rana Sanga of Mewar defeated Sultan of Delhi, _____ Lodhi and imprisoned him and then released him after collecting ransom. (+1)

a. Bahlul Khan

b. Qutb-ud-din

c. Ibrahim

d. Sikandar

45. The coccyx is part of the _____ (+1)

- a. spine
 - b. shoulder girdle
 - c. arm
 - d. leg
-

46. Chandragupta I was succeeded by his son _____ (+1)

- a. Samudragupta
 - b. Bhanugupta
 - c. Skandagupta
 - d. Purugupta
-

47. The Economic Survey report 2017-18 stated that the Services sector growth for FY 18 was likely to be at _____ (+1)

- a. 8.30%
 - b. 6.50%
 - c. 9.60%
 - d. 7.10%
-

48. Minimum Support Price for 2018-19 for Maize is set at _____ (+1)
- a. ₹2,430 per quintal
 - b. ₹1,950 per quintal
 - c. ₹1,700 per quintal
 - d. ₹5,150 per quintal
-

49. The formula of Cyanogen is _____ (+1)
- a. CH_3OCN
 - b. C_2N_2
 - c. CH_2CHCN
 - d. CH_3CN
-

50. Farad is the unit of _____ (+1)
- a. electric conductance
 - b. capacitance
 - c. magnetic flux
 - d. magnetic flux density

Elementary Mathematics

51. Which of the following is the greatest among all? (+1)

- a. 8% discount on marked price ₹400
- b. 12% discount on marked price ₹240
- c. 7% discount on marked price ₹500
- d. 10% discount on marked price ₹320

52. Sanjay scored 75 out of 150 marks in his mid-term exam and 105 out of 150 in his annual exam. The percentage increase in his marks is: (+1)

- a. 30%
- b. 45%
- c. 50%
- d. 40%

53. What should come in place of the question mark (?) in the following question? (+1)

$$[((16 \div 4) \times 4) \div 4] = ?$$

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

54. Five years ago, the ratio of the ages of a father and his son was 5 : 3. Which of the following cannot be the ratio of their ages 10 years from now? **(+1)**
- a. 3 : 2
 - b. 8 : 7
 - c. 6 : 5
 - d. 7 : 3
-

55. Rajaram purchased a certain amount of wheat. If he sold one-fourth of the wheat at a profit of 12%, then the profit percent he needs to make on the remaining wheat to make an overall profit of 15% is: **(+1)**
- a. 18%
 - b. 16%
 - c. 15%
 - d. 20%
-

56. If the profit made by a merchant on selling 45 m of cloth is equal to the selling price of 5 m of cloth, then his profit percentage is: **(+1)**
- a. 9.09%
 - b. 12.5%
 - c. 11.11%
 - d. 10%
-

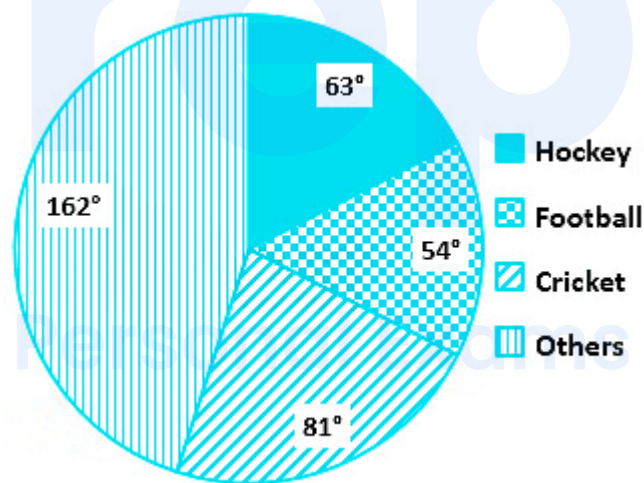
57. An inlet pipe takes 8 hours to fill a tank. An outlet pipe takes 12 hours to empty it. (+1)
If both pipes are opened simultaneously, in how many hours will the tank be filled?
- a. 36
 - b. 8
 - c. 24
 - d. 12
-

58. At what time does money becomes double at a simple interest rate of 12% per annum? (+1)
- a. $6\frac{1}{3}$ Years
 - b. $6\frac{2}{3}$ Years
 - c. $8\frac{1}{3}$ Years
 - d. $8\frac{2}{3}$ Years
-

59. If 30 men can do a job in 30 days, find what part of the job can be completed (+1)
by 1 man in 1 day.
- a. $\frac{1}{30}$
 - b. $\frac{1}{900}$
 - c. $\frac{1}{90}$
 - d. $\frac{1}{60}$
-

60. Find the average of $(5 + 5 + \dots$ upto 200 times) and $(8 + 8 + \dots$ upto 100 times). (+1)
- 6.5
 - 7
 - 6
 - 75

61. The pie chart given here shows the spendings of a country on various sports during a particular year. Study the graph carefully and answer the questions given below it. (+1)



If the total amount spent on sports during the year be ₹18000, the amount spent on Cricket exceeds that on football by (in ₹):

- 2800
- 1350
- 3000
- 2550

62. Ajay can row his boat in still water, at a speed of 6 kmph. If the speed of the stream is 4 kmph, how long will he take to a distance of 30 km downstream? (+1)
- a. 2 hours
 - b. 5 hours
 - c. 4 hours
 - d. 3 hours
-

63. Two parallelogram stand on equal bases and between the same parallel. The ratio of their areas is: (+1)
- a. 1 : 1
 - b. 2 : 1
 - c. 1 : 3
 - d. 1 : 2
-

64. The average marks of 42 students in an examination, was 64. Later it was found that the marks of three students were misread as 72, 58 and 44 instead of the actual marks 64, 42 and 26 respectively. What is the correct average marks? (+1)
- a. 61
 - b. 62
 - c. 63
 - d. 60
-

65. The ratio of length of two trains is 6 : 5 and the ratio of their speed is 3 : 2 The ratio of time taken by them to cross a pole is: (+1)

- a. 3 : 5
 - b. 4 : 5
 - c. 5 : 6
 - d. 5 : 8
-

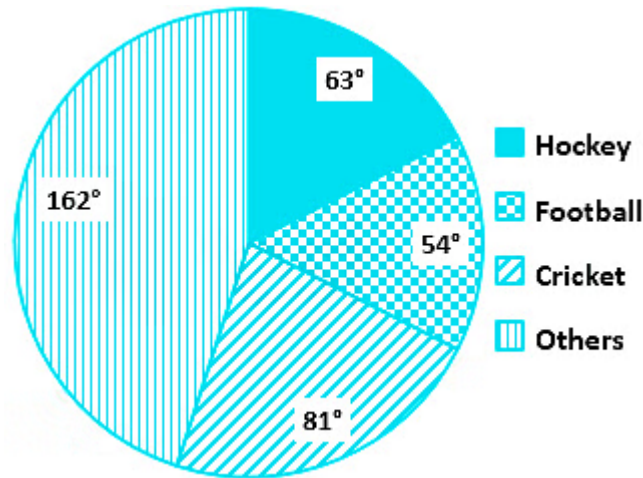
66. The mode of the data 26, 32, 26, 28, 26, 24, 31, 24 is: (+1)

- a. 28
 - b. 24
 - c. 31
 - d. 26
-

67. If the area of the base of a cone is increased then it becomes 1.96 times of original area. If the volume is increased by: (+1)

- a. 141%
 - b. 40%
 - c. 96%
 - d. 100%
-

68. The pie chart given here shows the spendings of a country on various sports during a particular year. (+1)
Study the chart carefully and answer the questions given below it.



How much percent less is spent on Football than that on Cricket?

- a. $33\frac{1}{3}\%$
 b. $12\frac{1}{2}\%$
 c. $20\frac{1}{2}\%$
 d. 25 %
-
69. A certain sum is divided among p, q and r in a manner that for every rupee that p gets, q gets 75 paise and for every rupee that q gets, r gets 50 paise. If r's share in the total sum is ₹ 36, then find the share of p. (+1)

- a. ₹96
 b. ₹72
 c. ₹54
 d. ₹60

70. What should come in place of the question mark (?) in the following question? **(+1)**

$$6 \div 6 \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9 = ?$$

- a. 7
 - b. 8
 - c. 10
 - d. 9
-

71. If the HCF of two numbers is 6 and their LCM is 120, one such pair of numbers is: **(+1)**

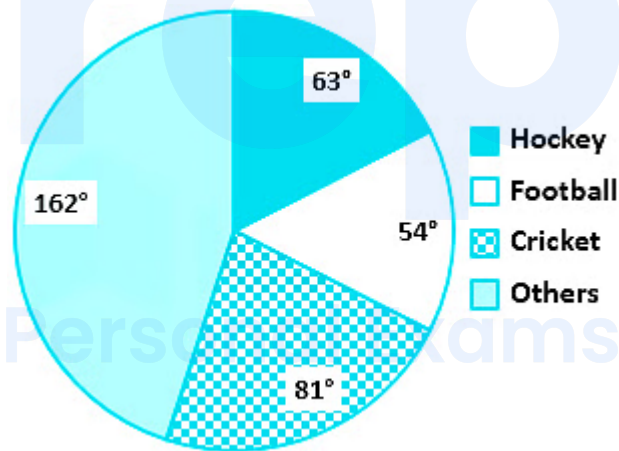
- a. 24, 30
 - b. 18, 40
 - c. 12, 60
 - d. 12, 40
-

72. In class there are a total of 60 boys and girls. Which of the following can't represent the ratio of the number of boys and girls in the class? **(+1)**

- a. 2 : 3
 - b. 1 : 3
 - c. 1 : 6
 - d. 3 : 7
-

73. A sum borrowed under compound interest doubles itself in 10 years. When will it become fourfold of itself at the same rate of interest? (+1)
- 24 years
 - 15 years
 - 20 years
 - 40 years

74. The pie chart given here shows the spendings of a country on various sports during a particular year. (+1)
Study the chart carefully and answer the questions given below:



What percent of the total spendings is spent on others?

- 12.5%
- 45%
- 25%
- 22.5%

75. If the surface area of two spheres is in the ratio 49 : 25, then the ratio of their volumes will be: (+1)
- a. 64 : 27
 - b. 25 : 49
 - c. 343 : 64
 - d. 343 : 125

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English

76. Select the word which means the same as the group of words given. (+1)

Existing, happening, or operating in the air

- a. Terrestrial
- b. Aerial
- c. Arboreal
- d. Aquatic

77. Select the wrongly spelt word. (+1)

- a. Auditorum
- b. Analysis
- c. Absolute
- d. Ambition

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

Modern farming practices is involving the use of fertilizers and pesticides.

- a. involved the using of
- b. involve the use of
- c. has involved the use in

d. No substitution required

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

Tissue is a group of cells that are similar to structure and are organized together.

a. that were similarly in

b. No substitution required

c. that is similarly to

d. that are similar in

80. Direction: Select the most appropriate synonym of the given word. (+1)

INCREDIBLE

a. Unbelievable

b. Ordinary

c. Unspectacular

d. Impossible

81. Select the option that means the same as the given idiom. (+1)

A piece of cake

a. Unrealistic hope

- b. A small quantity
 - c. A very easy task
 - d. Very tasty
-

82. Identify the segment in the sentence which contains the grammatical error from the given options. (+1)

Raw materials are substances that are either found naturally or produce by farmers.

- a. produce by
 - b. substances
 - c. found naturally
 - d. Raw materials
-

83. Directions: Select the most appropriate ANTONYM of the given word. (+1)

RATIONAL

- a. Impatient
 - b. Conscious
 - c. Illogical
 - d. Polite
-

84. Identify the segment in the sentence which contains the grammatical error from the given options. (+1)

If you plant a seed, you will be noticed that it takes some time to grow.

- a. to grow
 - b. takes some
 - c. will be noticed
 - d. If you
-

85. Direction: Select the most appropriate word to fill in the blank. (+1)

Most workers _____ as labourers in factories where their wages were fixed.

- a. is employed
 - b. has employed
 - c. were employed
 - d. was employ
-

86. Select the wrongly spelt word. (+1)

- a. Bracelet
 - b. Biannual
 - c. Bileive
 - d. Brochure
-

87. Identify the segment in the sentence which contains the grammatical error from the given options. (+1)

Scholars have studied the lives of present-day farmer's who practice agriculture.

- a. farmer's
 - b. the lives of
 - c. Scholars have
 - d. practice agriculture
-

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

Delight

- a. Grief
 - b. Joy
 - c. Dismay
 - d. Dread
-



89. Direction: Select the antonym of the given word. (+1)

Genuine

- a. Thankful
 - b. Fake
 - c. Unhealthy
 - d. Original
-

90. Select the word which means the same as the group of words given. (+1)

That which can be heard

- a. Legible
 - b. Edible
 - c. Tangible
 - d. Audible
-

91. Select the most appropriate word to fill in the blank. (+1)

Biosphere is a narrow zone of the earth where land, water, and air _____ with each other to support life.

- a. collapse
 - b. interact
 - c. surround
 - d. impose
-

92. Select the meaning of the given idiom. (+1)

Fish out of water

- a. To shift to a new place
- b. In a new job
- c. To be uncomfortable
- d. To be depressed

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

The aquatic animals can be breathed under water due to dissolved oxygen.

- a. could have breathed underwater
- b. can be breathing in water
- c. No substitution required
- d. can breathe underwater

94. Direction: Select the most appropriate word to fill in the blank. (+1)

The French Revolution _____ to the end of monarchy in France.

- a. is leading
- b. were leading
- c. led
- d. was led

95. Choose the correct form of adverb for the given sentence: (+1)

Minerals are _____ occurring substances which have certain physical properties.

- a. thoroughly
- b. naturally

- c. fictitiously
- d. falsely

96. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. (+1)

Select the most appropriate option for each number.

On the morning of 14 July, 1789, (1) _____ city of Paris was in a state of (2) _____. The king had (3) _____ troops to move into the city. Rumours spread that he would soon order the army to (4) _____ fire upon the citizens. Some 7,000 men and women gathered (5) _____ the town hall.

Select the most appropriate option that will fill in the blank number 1.

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

Your Personal Exams Guide

97. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. (+1)

Select the most appropriate option for each number.

On the morning of 14 July, 1789, (1) _____ city of Paris was in a state of (2) _____. The king had (3) _____ troops to move into the city. Rumours spread that he would soon order the army to (4) _____ fire upon the citizens. Some 7,000 men and women gathered (5) _____ the town hall.

Select the most appropriate option that will fill in the blank number 2.

- a. peace

- b. disagreement
- c. ease
- d. alarm

98. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. (+1)

Select the most appropriate option for each number.

On the morning of 14 July, 1789, (1) _____ city of Paris was in a state of (2) _____. The king had (3) _____ troops to move into the city. Rumours spread that he would soon order the army to (4) _____ fire upon the citizens. Some 7,000 men and women gathered (5) _____ the town hall.

Select the most appropriate option that will fill in the blank number 3.

- a. commanded
- b. urged
- c. expected
- d. announced

99. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. (+1)

Select the most appropriate option for each number.

On the morning of 14 July, 1789, (1) _____ city of Paris was in a state of (2) _____. The king had (3) _____ troops to move into the city. Rumours spread that he would soon order the army to (4) _____ fire upon the citizens. Some 7,000 men and women gathered (5) _____ the town hall.

Select the most appropriate option that will fill in the blank number 4.

- a. open
- b. cross
- c. Spread fire
- d. extinguish

100. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. (+1)

Select the most appropriate option for each number.

On the morning of 14 July, 1789, (1) _____ city of Paris was in a state of (2) _____. The king had (3) _____ troops to move into the city. Rumours spread that he would soon order the army to (4) _____ fire upon the citizens. Some 7,000 men and women gathered (5) _____ the town hall.

Select the most appropriate option that will fill in the blank number 5.

- a. in front of
- b. besides
- c. across
- d. on top of

Answers

1. Answer: d

Explanation:

On arranging all of them in descending order:

D. 20.02.1989

A. 12.08.1989

G. 20.12.1989

B. 13.09.1991

C. 19.06.1991

E. 22.03.1991

F. 20.01.1991

The birth date of the eldest parson among all is 20.02.1989.

Hence, option (D) is the correct answer.

2. Answer: b

Explanation:

In the first figure,

$$(72 + 18) - (24 + 17) = 49$$

Similarly,

In the second figure,

$$(42 + 36) - (29 + 31) = 18$$

Hence, 18 is the correct answer.

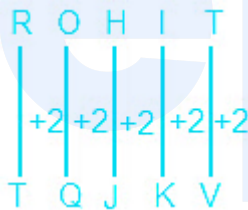
3. Answer: d

Explanation:

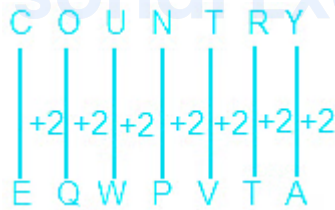
According to the positions of letter in English alphabet series:

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

The pattern followed here is :



Similarly,

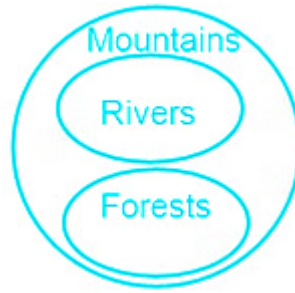


Hence, 'EQWPVTA' is the correct answer.

4. Answer: d

Explanation:

The least possible Venn diagram is as follows:



Conclusions:

I. Some forests are river → False (it is possible but not definite)

II. No forest is a river → False (it is possible but not definite)

The above statements are complementary pairs. This type of statement follows 'Either or conditions'.

Hence, either conclusion I or II follows.

5. Answer: a

Explanation:

The pattern followed here is :

1) $78 \div 4 = 19.5$ (not fully divisible)

2) $72 \div 6 = 12$

3) $39 \div 3 = 13$

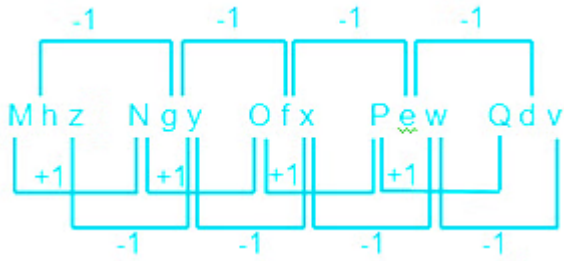
4) $56 \div 4 = 14$

Hence, '78 : 4' is the correct answer.

6. Answer: c

Explanation:

The pattern followed here is:

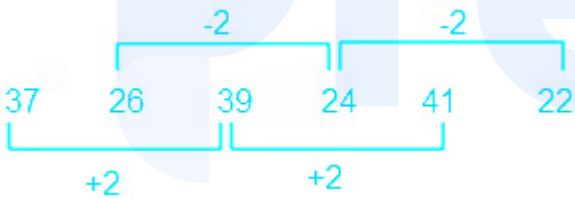


Hence, 'Qdv' is the correct answer.

7. Answer: a

Explanation:

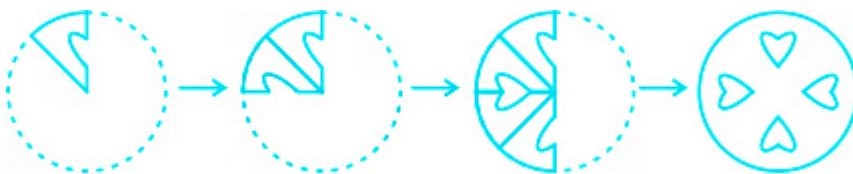
The pattern followed here is:



Hence, '22' is the correct answer.

8. Answer: c

Explanation:



Hence, figure C is the correct answer.

9. Answer: d

Explanation:

According to the positions of letter in English alphabet series:

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

The pattern followed here is :

$$\text{UPSIDE} \rightarrow \text{U} (21) + \text{P}(16) + \text{S}(19) + \text{I} (9) + \text{D}(4) + \text{E}(5)$$

$$21 + 16 + 19 + 9 + 4 + 5 = 74$$

$$\text{SHARKS} \rightarrow \text{S} (19) + \text{H}(8) + \text{A}(1) + \text{R}(18) + \text{K}(11) + \text{S}(19)$$

$$19 + 8 + 1 + 18 + 11 + 19 = 76$$

Hence, '76' is the correct answer.

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10. Answer: c

Explanation:

The question figure is embedded in,

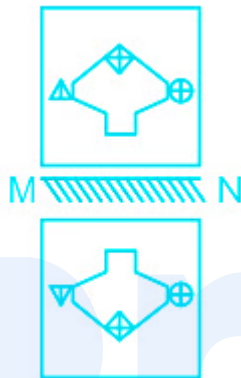


Hence, option (c) is the correct answer.

11. Answer: a

Explanation:

The mirror image would be as follows:

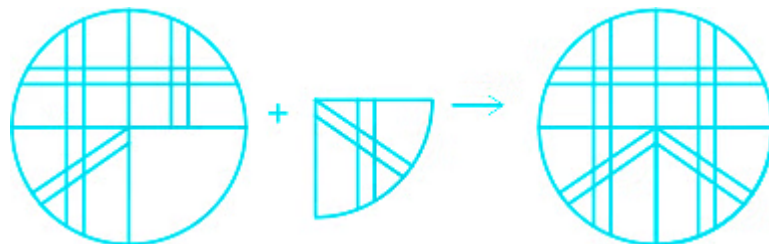


Hence, option (a) is the correct answer.

12. Answer: d

Explanation:

When the question figure is merged with the figure in option (d), the complete pattern can be seen.



Hence, option(d) is the correct answer.

13. Answer: d

Explanation:

According to the positions of letter in English alphabet series:

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

The pattern followed here is:

The first and last letter is small while the middle two words are capital.

$$pRSq \rightarrow p + 2 = R ; S - 2 = q$$

$$tVWu \rightarrow t + 2 = V ; W - 2 = u$$

Similarly,

$$iKlj \rightarrow i + 2 = K ; L - 2 = j$$

$$mOPn \rightarrow m + 2 = O ; P - 2 = n$$

Hence, 'mOPn' is the correct answer.

14. Answer: a

Explanation:

Trolley, Tempo and Truck are the goods carrier by road where as Cargo carry the goods by aquatic way or the aerial way.

Hence, 'Cargo' is the correct answer.

15. Answer: c

Explanation:

The pattern followed here is:

$$12 \times 13 = 156$$

Similarly,

$$10 \times 11 = 110$$

Hence, '10 : 110' is the correct answer.

16. Answer: a

Explanation:

Given;

Lily is eighteenth from the front while Mini is sixteenth from the back. If Nisha is twenty-fifth from the front and is exactly in the middle of Lily and Mini.



Position of Lily from front = 18

Person between Lilly and Nisha = 6

Person between Nisha and Mini = 6

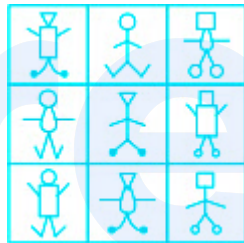
Position of Mini from Back = 16

Total Person = $18 + 6 + 6 + 16 + 1(\text{Nisha}) = 47$ Person

Hence, there is **47** person in the queue.

17. Answer: c

Explanation:



The logic followed here is:

Imagine the symbol as a person with 4 different thing.

- 1) Head consists of circle, triangle and square.
- 2) Body consists of Rectangle, line and oval.
- 3) Legs consist of line, coloured circle and uncoloured circle.
- 4) Both hands are upward, straight and downward.

In row wise they have the same pattern.

So in the blank space of third row, the symbol should have:

head -- square

body -- line

leg -- uncoloured circle

hands -- downward

Thus the figure in option 3 completes the given question pattern.

Hence, figure in **Option 3** is the correct answer.

18. Answer: a

Explanation:

The pattern followed here is :

Bees make sound Hum.

Similarly,

Snakes make sound Hiss.

Hence, 'Hiss' is the correct answer.

19. Answer: c

Explanation:

The pattern followed here is :

Voice of lion is called roar.

Similarly,

Voice of elephant is called trumpet.

Hence, 'Trumpet' is the correct answer.

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20. Answer: a

Explanation:

According to the positions of letter in English alphabet series:

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

Pattern followed here is :

- 1) CFJ → C + 3 = F ; F + 4 = J
- 2) GJM → G + 3 = J ; J + 3 = M
- 3) TWZ → T + 3 = W ; W + 3 = Z
- 4) DGJ → D + 3 = G ; G + 3 = J

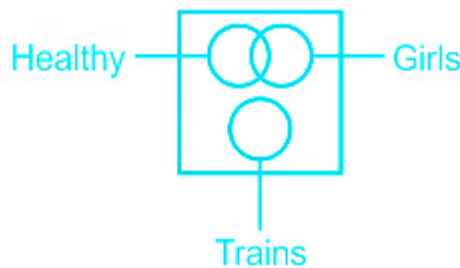
Hence, 'CFJ' is the correct answer.

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21. Answer: a

Explanation:

Some Girls are healthy or some girls are not healthy but the train is totally different from both girls and healthy so the Venn diagram to relate all three terms is :



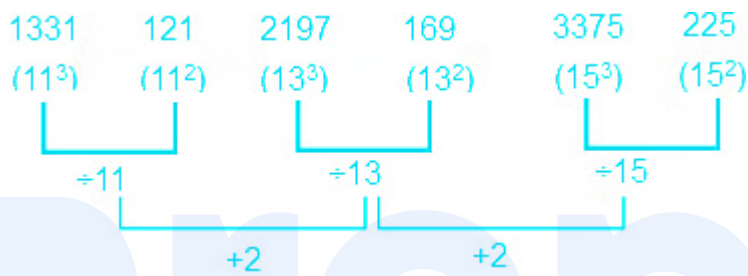
Hence, Option(a) is correct answer.

22. Answer: c

Explanation:

The pattern followed here is :

Here numbers are cubes and squares of alternate odd numbers:



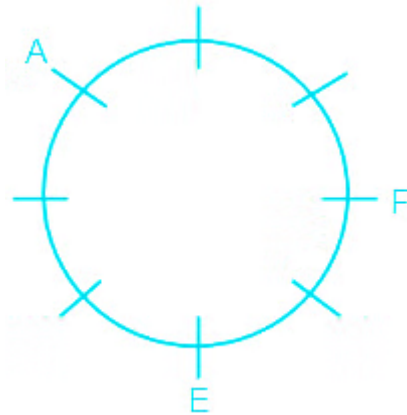
Hence, '225' is the correct answer.

23. Answer: d

Explanation:

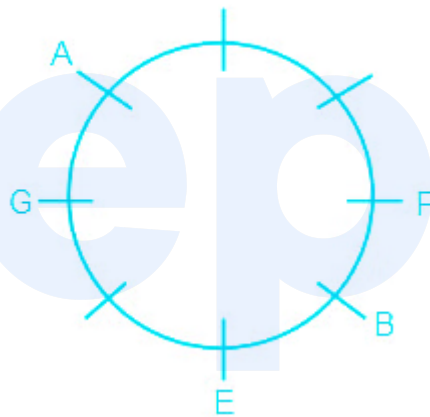
Given eight people A, B, C, D, E, F, G, and H are sitting around a circle facing the centre.

1) E, is second to the left of F and third to the right of A. (E is second to the left of F. E is third to the right of A.)

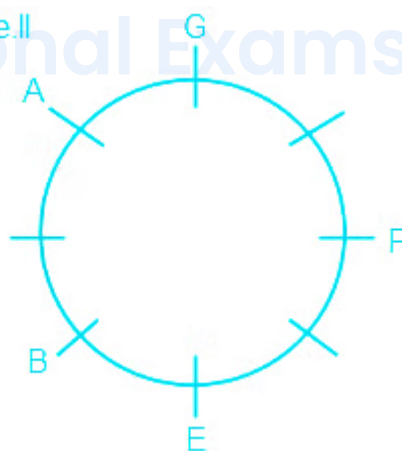


2) B is third to the right of G who is not an immediate neighbour of E or F. (G is not neighbour of E or F)

Case. I

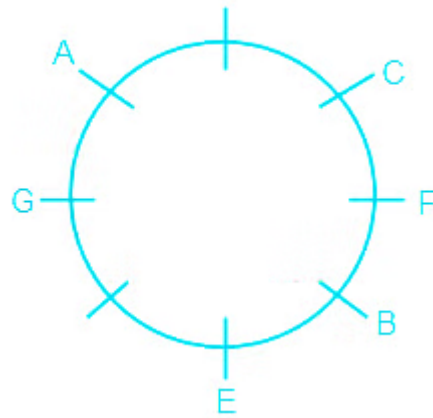


Case. II

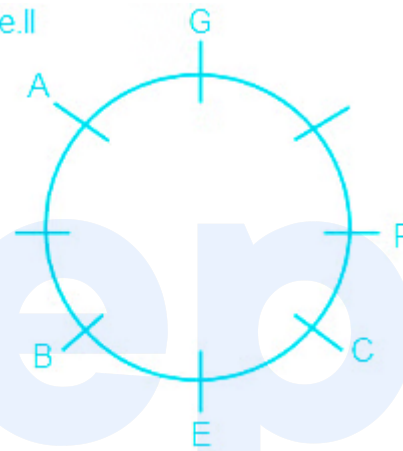


3) C is second to the right of B.

Case. I

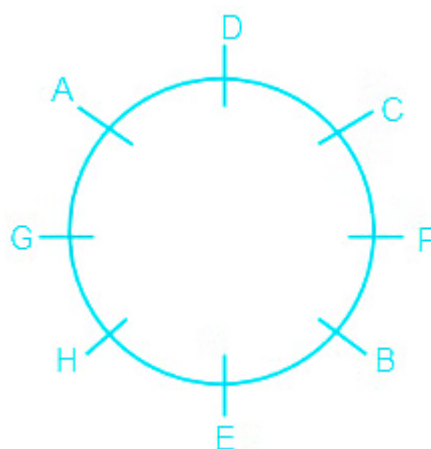


Case. II



4) D is to the immediate left of A and third, to the left of H. (By this condition, we can eliminate case II therefore)

The final arrangement is.



Hence, E sits fifth to the right of C.

24. Answer: a

Explanation:

Given:

Letters	q	y	z	p
Symbol	+	-	÷	x

$$21q + 5p - 2y + 21z - 3$$

After changing with symbols:

$$21 + 5 \times 2 - 21 \div 3$$

$$21 + 10 - 7$$

$$24$$

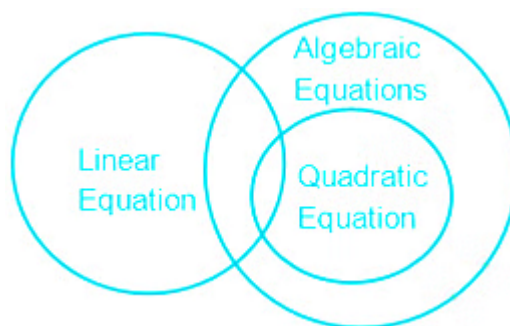
Hence, **24** is the correct answer.

25. Answer: d

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Explanation:

The least possible Venn diagram is as follows:



Conclusions:

I. All Linear Equations are Algebraic Equations → False (it is possible but not definite)

II. Some Algebraic Equations are Linear Equations → True (As Some Linear Equations are Quadratic Equations. All Quadratic Equations are Algebraic Equations.)

III. Some Algebraic Equations are Quadratic Equations → True (All Quadratic Equations are Algebraic Equations.)

IV. All Quadratic Equations are Linear Equations → False (Some Linear Equations are Quadratic Equations.)

Hence, 'only II and III follow' is the correct answer.

26. Answer: a

Explanation:

The correct answer is Bell Metal.

- Bell Metal alloy consists of copper and tin.

★ Key Points

- Bell metal is a hard alloy used for making bells and similar instruments, such as cymbals.
- It is a form of bronze with a higher tin content, approximately a **4:1 ratio of copper to the tin**.
- It is made of 80% copper and 20% tin (Sn) with some amount of Zinc and Lead.
- Bell metal is known for its resonance and attractive sound.

★ Additional Information

- **Soft solder** is an alloy of **tin and lead**.
- **Hard solder** is an alloy of **copper and zinc**.
- Rose's metal is an alloy of bismuth, lead and tin with **50% bismuth, 25–28% lead and 22–25% tin**.
- **German Silver** is an alloy of **copper, zinc and nickel**.

★ Important Points

Some other important alloys are:

- German Silver – Cu + Zn + Ni
- Gun Metal – Cu + Sn + Zn + Pb
- Solder – Pb + Sn
- Brass – Cu + Zn
- Stainless steel – Fe + Cr + Ni + C

27. Answer: c

Explanation:

The correct answer is 101st Constitution Amendment Act, 2016.

- 101st Constitution Amendment Act, 2016 introduced the Goods and Services Tax.

★ Key Points

- GST Bill was first introduced in 2014 as The Constitution (**122nd Amendment**) Bill.
- Goods and Services Tax is a widespread indirect tax on the manufacture, sale, and consumption of goods and services throughout India.
- GST replaced respective taxes levied by the central and state governments.
- It is an indirect tax for the whole country on the lines of “ **One Nation One Tax** ” to make India a combined market.
- **GST Council** will decide upon any **matter related to GST** whose **chairman** is the **finance minister of India**.
- GST has provisions of:
 - **Central GST** to cover **Excise duty, Service tax**.
 - **State GST** to cover **VAT, luxury tax** and Integrated GST to cover inter-state trade.
 - IGST is not a tax but a system to coordinate state and union taxes.
 - **Article 246A** states that States have the power to tax goods and services.

★ Additional Information

- The Ninety-second Amendment of the Constitution of India is known as The Constitution (Ninety-second Amendment) Act, 2003.
 - It amended the Eighth Schedule to the Constitution.
 - It includes **Bodo, Dogri, Maithili and Santali** languages and increases the total number of languages listed in the schedule to 22.
- The Constitutional (103rd Amendment) Act got the assent of the President of India on 13th January 2018.
 - It provides reservation of jobs in central government jobs as well as government educational institutions.
 - **It applies to citizens belonging to the economically weaker sections from the upper castes.**
 - This reservation is "in addition to the existing reservations and subject to a maximum of **ten percent** of the total seats in each category".
- The Constitutional (73rd Amendment) Act of 1992 came into force in India to provide constitutional status to the **Panchayati Raj institutions**.

28. Answer: b

Explanation:

The correct answer is Jharkhand.

- The Maithon Dam is located at Maithon in Jharkhand.

★ Key Points

- Maithon Dam is located on the bank of river Barakar.
- It is owned by the **Damodar Valley Corporation**.
- Damodar Valley Project on river Damodar in Jharkhand.
- Maithon dam was specially designed for flood control and generates 60,000 kW of electric power.

★ Additional Information

- Damodar Valley Project :
 - Damodar River rises in the **Kamarpet hill** in the **Chhotanagpur Plateau** of Jharkhand.
 - Flood Control, irrigation, navigation, afforestation, and control of soil erosion.
 - Promotion of agriculture and industry, electricity generation.
 - Four dams at **Tilaiya, Konar, Maithan, Panchet**.
 - **Copper** is found in the **Singbhum** region of the Jharkhand.
 - **Uranium and Thorium** are found in **Jadugoda** (Jharkhand).
-

29. Answer: b

Explanation:

The correct answer is Banvarh.

★ Key Points

- Banvarh is usually sung to mourn the death of loved ones.
- Sung in funerals, 'Banvarh' is a song used to mourn the death of loved ones.
- The instruments used are **dhol and shehnai**.

★ Additional Information

- **Deknnis** a folk dance of Goa.
 - It is often accompanied by dance performances.
 - The instruments used are **Ghumat, Cymbal, Samael**.
 - **Fughris** also a folk dance of Goa.
-

30. Answer: a

Explanation:

The correct answer is the United Kingdom.

- The parliamentary form of government as laid down in the Indian Constitution is influenced by the constitution of the United Kingdom.

★ Key Points

- **Parliamentary Government:**
 - India has a parliamentary system of government both at the center and at the states.
 - **The president** is the head of the union of India and the Governors are the head of the states but they act on the advice of the council of ministers.
 - They have nominal powers.
- **The federal system with unitary features:**
 - Our constitution contains federal features of government like division of powers written constitution, an independent judiciary, and bicameralism but a large number of unitary features like a strong center, single citizenship flexibility of constitution, integrated judiciary emergency provisions.

★ Important Points

- **Different Sources of the Indian Constitution:**

Country	Features
Constitution of Britain	Law-making procedures, Rule of law, Single citizenship, Bi-cameral Parliamentary system, the office of CAG.
Constitution of the USA	Independence of judicial review, fundamental rights, removal of Supreme Court and High Court judges, Preamble and functions of President and Vice-President.
Constitution of Ireland	Directive Principles of State policy, method of presidential elections, and the nomination of members to Rajya Sabha by the President.

31. Answer: b

Explanation:

The correct answer is Pandurang Vaman Kane.

- Pandurang Vaman Kane was awarded the Bharat Ratna.

★ Key Points

- Pandurang Vaman Kane won the Bharat Ratna award in **1963** .
- He was awarded Bharat Ratna for his scholarly work that crossed more than 40 years of active academic research which resulted in 6,500 pages of *History of Dharmaśāstra*.
- History of the Dharmasastra is published in five volumes.
- It is an encyclopedia of **ancient social laws and customs**.

★ Additional Information

- **Madan Mohan Malaviya** was awarded the Bharat Ratna in the year **2014** .
- **Purushottam Das Tandon** was awarded the Bharat Ratna in the year **1961** .
 - He was popularly known as **UP Gandhi** .
- **Bidhan Chandra Roy** was awarded the Bharat Ratna in the year **1961** .

★ Important Points

- Bharat Ratna is the highest civilian award of India.
- The provision of Bharat Ratna was introduced in 1954.
- It was instituted to recognise contributions to politics, science, education, and other areas

32. Answer: a

Explanation:

The correct answer is **Raut Nacha**.

- Raut Nacha is a dance form from Chhattisgarh.

★ **Key Points**

- Raut Nacha is a dance form known to be mainly performed by the “*Yadava*” clan.
- Yadava clan is said to be the **descendants of Lord Krishna** in Central India.
- The dance resembles the “ **Ras Leela** ” which is considered to be the most popular Lord Krishna dance.
- It is **performed usually after Diwali** for about a week.

★ **Additional Information**

- **Cheraw** is a traditional cultural dance form from **Mizoram** .
- **Ottam Thullal** is an art form dance form from **Kerala**.
- **Macha** is a dance form from **Madhya Pradesh**.

33. **Answer: b**

Explanation:

The correct answer is **Ludhiana**.

★ **Key Points**

- The Kila Raipur Rural Olympics is held annually between January and February near Ludhiana.
- This festival which is popularly known as **rural Olympics** is held annually in **Kila Raipur**.
- In around **1926** the Kila Raipur Rural Olympics was started.
- It is a **4-day Rural Olympics** in India.
- This takes place in January/February and over 4000 men and women participate in it.
- The events held here are participated by teenagers, pensioners and sometimes even horses and dogs.

- The event is organised in every **winter** in Kila Raipur.

★ Additional Information

- Ludhiana is situated on the river **Sutlej**.
- **Aizawl** is the capital of the state of Mizoram.
- **Vadodara** is a cosmopolitan city located in Gujarat.
- The Lakshmi Vilas Palace is located here.
- **Gwalior** is a city of Madhya Pradesh.
 - The Madho Rao Scindia built Phool Bagh, and it was inaugurated by the Prince of Wales in 1922 is located at Gwalior.
 - Teli Ka Mandir is the tallest structure located inside the Gwalior

34. Answer: a

Explanation:

The correct answer is 4.6 billion years.

- The origin of the sun was approximately 4.6 billion years before the present age.

★ Key Points

- The radius of the Sun is 109 times that of Earth.
- Its distance from Earth is 147.36 million km.
- The atmosphere of the Sun is composed of three layers namely the **photosphere, the chromosphere, and the corona**.
 - The surface viewed from Earth, called the **photosphere**, is the layer from which most of the radiation reaches the earth.
- The energy created by the Sun's core is due to **nuclear fusion**.
- It takes **eight minutes** for light to reach Earth from the Sun.
- The Sun **rotates from west to east**.

★ Important Points

- **Earth is the third planet from the Sun** and the only place that is inhabited by living things.
 - Earth is only the **fifth largest planet** in the solar system.
 - Earth is the biggest of the four planets closest to the Sun.
 - Venus is known as the "**twin sister**" of earth.
-

35. Answer: d

Explanation:

The correct answer is One Life is not Enough.

★ Key Points

- **One Life is not Enough** is an autobiography by the former Minister in charge of External Affairs, Kunwar Natwar Singh.
- The book reveals an account of **Kunwar Natwar Singh's career as a politician** and bureaucrat.
- It also tells about his experiences in Delhi's political halls and sets the record straight on several events, including the Volcker controversy and Sonia Gandhi's withdrawal as a prime minister candidate.

★ Additional Information

- **Courage and Conviction** is the autobiography of **General Vijay Kumar Singh**.
 - **Where Have I Been** is an autobiography by Bill Davidson and Sid Caesar.
 - **Ace Against Odds** is the autobiography of **Sania Mirza**.
-

36. Answer: a

Explanation:

The correct answer is Punjab Royals.

- Punjab Royals won in the 2018 Pro Wrestling League finals.

★ Key Points

- Punjab Royals defeated Haryana Hammers with a scintillating victory of 6-3.
- It was held at the Gautam Buddha University indoor hall.
- The team is owned by the **CDR Group**.
- **Geeta Phogat** is the **captain** of the team.

★ Additional Information

- **Haryana Hammers** was the winner of the 2019 Pro Wrestling League.
- Geeta Phogat is first-ever India's gold medal in wrestling at the **Commonwealth Games in 2010**.
- She is the first Indian female wrestler to have qualified for the Olympic Summer Games.

37. **Answer: c**

Explanation:

The correct answer is Bangladesh.

- **India defeated the Bangladesh** team to win the Nidahas Trophy 2018 cricket Tri-Series Final played in March 2018.

★ Key Points

- India defeated Bangladesh by **four wickets** to win the 2018 Nidahas Trophy.
- Nidahas Trophy was a tri-nation series between Bangladesh, **India and Sri Lanka**.
- The 2018 Nidahas Trophy was held in Sri Lanka in March 2018.
- The tournament was played to celebrate Sri Lanka's 70th year of independence.
- The title *nidahas* is derived from the Sinhalese which means " **freedom** ."
- **Washington Sundar** was the player of the series.

38. Answer: c

Explanation:

The correct answer is Allan Octavian Hume.

- Allan Octavian Hume took the initiative to convene the first meeting of the Indian National Union.

★ Key Points

- In 1884, A.O.Hume founded the Indian National Union.
- Indian National Congress (I.N.C.):
 - The Indian National Union was formed in **1884 A.D** by A.O. Hume.
 - He called for a **conference in Pune** in December 1885 A.D.
 - The conference venue was shifted to **Bombay**.
 - The leaders decided to **rename the Indian National Union as the Indian National Congress**.
 - The **first session** of the Indian National Congress was held at **Gokuldas Tejpal Sanskrit College in Bombay** under the presidency of **W.C. Bannerji**.
 - It was attended by **72 delegates** from all over India.
 - **Lord Dufferin** was the **Viceroy of India during the foundation of INC**.
 - The first two decades of INC are described in history as those of moderate demands and a sense of confidence in British justice and generosity.
 - **Indian Council Act in 1892 AD** allowed some members to be indirectly elected by Indians.

★ Additional Information

- **John Morley** was a **secretary of state** for India during **1906–1910**.
- **Edwin Montagu** was appointed the **Secretary of State** for India in **1917**.

39. Answer: a

Explanation:

The correct answer is Dhupgarh.

- Dhupgarh is the highest peak of the Satpura range.

★ Key Points

- Satpura Range is a part of the Deccan plateau.
- It is a series of **seven mountains**. Hence, called Satpura.
- It runs in an east-west direction south of the Vindhyas and in between the Narmada and the Tapi, roughly parallel to these rivers. It stretches for a **distance of about 900 km**.
- Dhupgarh which is **1,350 m high** is located near Pachmarhi on **Mahadev Hills**.

★ Additional Information

- Kalsubai is the **highest peak in Maharashtra**.
 - It is located in the **Western Ghats**.
- Doddabetta is the highest peak of the **Nilgiri Hills**.
- Anamudi is the highest peak of the **Western Ghats**.

40. Answer: a

Explanation:

The correct answer is eight.

- It was stated in the Union Budget 2018, that the Ujjwala Yojana, the free LPG connection scheme would be expanded to eight crore Women.

★ Key Points

- Pradhan Mantri Ujjwala Yojana:
 - The scheme was **launched in May 2016**.
 - Its aim is to provide **LPG connections to poor households**.

- A deposit-free LPG connection will be given to eligible with the financial assistance of **Rs 1,600 per** connection by the Centre.
- The earlier target of the scheme was to cover **50 million families**.
- **The eligibility criteria for the beneficiaries :**
 - The applicant must a woman **above the age of 18** and a citizen of India.
 - The applicant should **belong to a BPL category**.
 - No one in the applicant's household should own an LPG connection.
 - The household income of the family, per month, must not exceed a defined limit as per the government of the Union Territories and State Government.

41. Answer: b

Explanation:

The correct answer is Yukta Mookhey.

- Yukta Mookhey was crowned Miss World Continental Queen of Beauty—Asia & Oceania in 1999.

★ Key Points

- Miss World 1999 was the **49th edition** of the Miss World pageant.
- Yukta Mookhey was crowned by her predecessor **Linor Abargil of Israel**.
- It was held at the **Olympia Hall in London, United Kingdom**.
- The pageant was hosted by **Ulrika Jonsson and Melanie Sykes**.
- It was the **first time** that **Scotland and Wales** fielded their delegates.

★ Additional Information

- **Sushmita Sen** was the **first Indian** woman to be crowned **Miss Universe in the year 1994**.
- **Reita Faria Powell** was the **first to win the Miss World title in 1966**.
- **Priyanka Chopra** is the winner of the **Miss World pageant of 2000**.

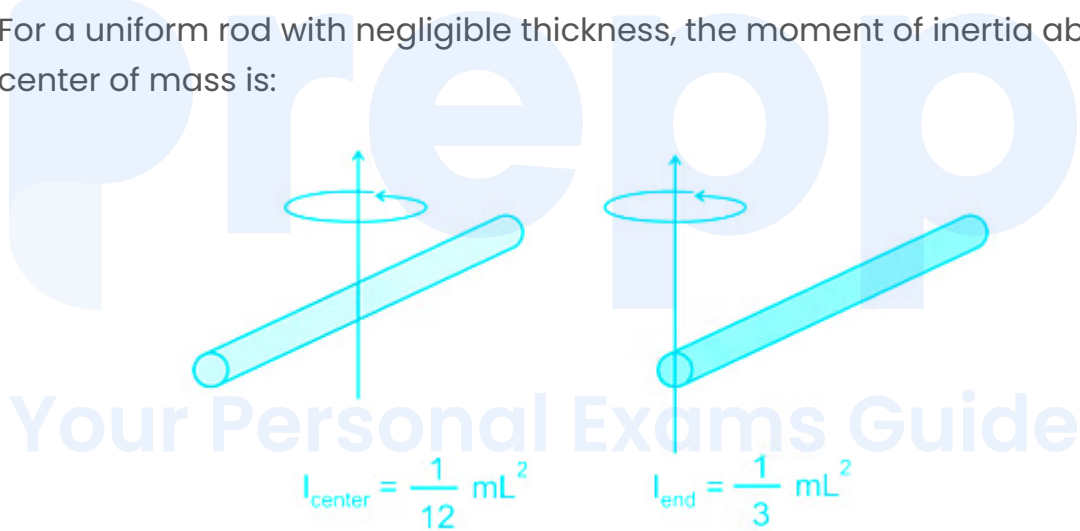
42. Answer: c

Explanation:

The correct answer is $\frac{ML^2}{12}$

★ Key Points

- **Moment of Inertia:**
 - The moment of inertia plays the same role in rotational motion as mass plays in linear motion.
 - It is the property of a body due to which it opposes any change in its state of rest or of uniform rotation.
- Moment of inertia of a particle is $I = mr^2$
- For a uniform rod with negligible thickness, the moment of inertia about its center of mass is:



- Moment of inertia about its center = $\frac{ML^2}{12}$
 - M = mass of the rod
 - L = length of the rod
 - r = perpendicular distance of the particle from the rotational axis

43. Answer: b

Explanation:

The correct answer is Bengal.

- The Charter Act of 1833 made the Governor-General of Bengal as the Governor-General of India and vested in him all civil and military powers.

★ Key Points

- **The Charter Act of 1833:**
 - The Governor-General and his Council were given vast powers.
 - The Council got full powers regarding revenue, and a single budget for the country was prepared by the Governor-General.
 - For the first time, the Governor-General's Government was known as the '**Government of India**' and his Council as the '**Indian Council**'.
 - The **Governor-General of Bengal** was to be the **Governor-General of India**.
 - All powers, administrative and financial, were handed over to Governor-General in Council.
 - A **Law Commission** under **Lord Macaulay** was constituted for the **codification of laws**.

44. Answer: c

Explanation:

The correct answer is Ibrahim.

- In the Battle of Khatoli (1517) Rana Sanga of Mewar defeated Sultan of Delhi, Ibrahim Lodhi and imprisoned him and then released him after collecting ransom.

★ Key Points

- **Ibrahim Lodhi (1517 AD-1526 AD) :**
 - He was the **last king of the Lodhi dynasty** and the last sultan of Delhi.
 - He was the son of **Sikandar Lodhi**.
 - **Daulat Khan Lodhi** , the Governor of Punjab, invited Babur to overthrow Ibrahim.

- He captured Gwalior and was defeated by Rana Sanga of Mewar.
- He was defeated and killed at the hands of Babur in the First Battle of Panipat in 1526 AD.

★ Additional Information

- The Sisodiya ruler of Mewar (1433 AD-1468 AD) :
 - Rana Kumbha was a famous ruler of Mewar.
 - He defeated Mohammad Khilji and erected the Tower of Victory (Vijay-Stambha) in Chittor.
 - His successors Rana Sangram Singh (Rana Sanga) and Rana Pratap were also great kings of the Mewar state.

★ Important Points

- Lodhi dynasty.
 - Sikandar Lodhi established Agra city in 1504.
 - He shifted his capital from Delhi to Agra in 1506.
- Slave Dynasty was established in Northern India by Qutb-ud-Din Aibak, a Turkish Mamluk slave general from Central Asia.
 - He became the ruler of an independent kingdom that evolved into the Delhi Sultanate ruled by the Mamluk dynasty.
 - He constructed a Quwwat-ul-Islam mosque in Delhi and Adhai Din Ka Jhonpra in Ajmer.
 - He initiated the construction of Qutb Minar and was completed by Iltutmish.

45. Answer: a

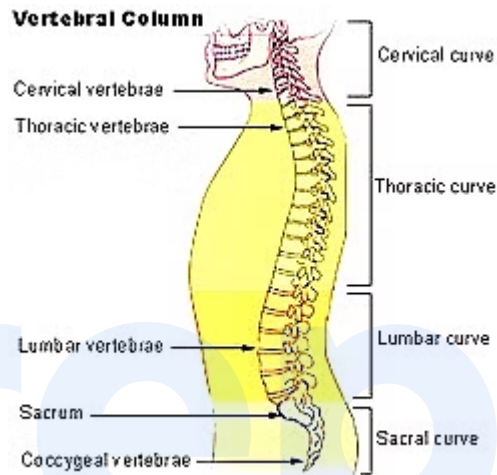
Explanation:

The correct answer is the spine.

- The coccyx is part of the spine.

★ Key Points

- The coccyx is also known as the **tailbone** .
- It is the **terminal part of the vertebral column**.
- It is comprised of **four vertebrae**, which combine to produce a **triangular shape**.
- The coccyx serves as an attachment site for **tendons, ligaments, and muscles**.
- It also functions as an insertion point of some of the muscles of the pelvic floor.
- Its function is to support and stabilize a person while sitting.



★ Additional Information

- A **shoulder girdle** also referred to as the **pectoral girdle** , connects upper limbs to the bones along the axis of the body.
- Spinal Cord:
 - The posterior region of the **medulla oblongata** is the spinal cord. Its main functions are:
 - (a) Coordination and control of reflex actions i.e. it works as the center of the reflex actions.
 - (b) It carries the waves coming out of the brain.
- The **Central Nervous System** of humans is made up of two parts– **Brain and Spinal Cord**.

46. Answer: a

Explanation:

The correct answer is Samudragupta.

- Chandragupta I was succeeded by his son Samudragupta.

★ Key Points

- Samudragupta (335AD–380 AD):
 - Samudragupta was the **greatest king of the Gupta dynasty**.
 - The most detailed and authentic record of his reign is preserved in the **Prayaga Prasasti/Allahabad pillar inscription**, composed by his court poet **Harisena**.
 - Samudragupta's military campaigns justify the description of him as the **Napoleon of India by V.A. Smith**.
 - Titles: **Kaviraja, Param Bhagavat, Ashvamedha- parikrama, Vikram Sarva-rajochchhetta** only Gupta ruler had the title of **Sarva-raj-ochchhetta**.
 - Allahabad pillar inscriptions mention the title **Dharma Prachar Bandhu**, i.e. he was the upholder of Brahmanical religion.

★ Additional Information

- Chandragupta I (319AD–334 AD):
 - He was the **first Gupta ruler to assume the title of Maharajadhiraja**.
 - He strengthened his kingdom by the matrimonial alliance with the powerful family of Lichchhavis, who were the rulers of Mithila.
 - He got married to the Lichchhavi princess **Kumaradevi**.
 - **He started the Gupta Era in 319AD–320 AD**.
 - He established his authority over **Magadha, Saketa and Prayaga**.
- Skandagupta was the last ruler of the Gupta Dynasty.
 - Skanda Gupta also took the title **Vikramaditya**.
 - Chandragupta was the first Gupta ruler of the Gupta Dynasty.
 - He took the title of **Maharajadhiraja**.
 - **Bhitari pillar** depicts the information about Skandagupta of the Gupta Empire.

47. Answer: a

Explanation:

The correct answer is 8.30%.

- The Economic Survey report 2017-18 stated that the Services sector growth for FY 18 was likely to be at 8.30%.

★ Key Points

- The then **Finance Minister, Arun Jaitley** presented the Economic Survey of 2017-18.
- The services sector contributed 55.2% to India's GVA in the year 2017-18.
- As per the Central Statistics Office, the growth of the services sector was expected to be 8.3% in 2017-18 as compared to 7.7% in 2016-17.
- India is the **eighth largest exporter of commercial services** with a **share of 3.4%**.
- The share of the **real estate sector accounted for 7.7%** of India's overall GVA in 2015-16.
- **Real estate and construction** together are the second-largest providers of employment.

★ Additional Information

- An economic survey is an **annual document** prepared under the **guidance of the Chief Economic Adviser** and presented by the **Department of Economic Affairs, Ministry of Finance** in the parliament just before the budget is announced.
- The economic survey report is the way of the ministry on the state of the economy of the country.

48. Answer: c

Explanation:

The correct answer is ₹1,700 per quintal.

- Minimum Support Price for 2018-19 for Maize is set at ₹1,700 per quintal.

★ Key Points

- Minimum Support Price:
 - The MSP is the rate at which the government buys **grains and crops from farmers**.
 - The idea of MSP is to counter the price volatility of agricultural commodities due to the factors like the variation in their supply, lack of market integration and information asymmetry.
 - The MSP is fixed on the recommendations of the **Commission for Agricultural Costs and Prices (CACP)**.
 - The CACP is an office that works under the **Ministry of Agriculture and Farmers Welfare**, formed in **1965**.
 - It is a **statutory body** that submits separate reports recommending prices for Kharif and Rabi seasons.
 - National Commission on Farmers was recommended by the **Swaminathan Committee**.

★ Important Points

- The government has increased the MSPs of tur dal by Rs. 125 per quintal and uraddal by Rs. 100 per quintal.
- Minimum Support Price for 2019-20 for Maize is set at ₹1,760 per quintal.

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49. Answer: b

Explanation:

The correct answer is C 2N₂.

- The formula of Cyanogen is C 2N₂

★ Key Points

- Cyanogen is **46.14% carbon and 53.80% nitrogen**.
- It is **colorless, toxic, and pungent gas**.
- Its odor of almonds.

- It freezes at -28°C and boils at -20.7°C .
- It can be prepared by oxidation of hydrogen cyanide (HCN).
- It is made in the lab by **oxidizing cyanide ions in an aqueous solution**.
- Its IUPAC name is **Ethanedinitrile**.

★ Additional Information

- The formula of **Methyl isocyanate** is CH_3OCN .
 - It is used in the manufacture of **polyurethane foam, pesticides and plastics**.
 - It burned very easily and highly explosive.
 - Methyl Isocyanate gas, which was involved in the disaster in Bhopal in December 1984,
- **Acrylonitrile** has the formula CH_2CHCN .
- **Acetonitrile** is the chemical compound with the formula CH_3CN .

50. Answer: b

Explanation:

The correct answer is capacitance.

- Farad is the unit of capacitance.

★ Key Points

- Capacitance is the property of an electric conductor measured by the amount of separated electric charge that can be stored on it per unit change in electrical potential.
- It is given by-
- $C = \frac{q}{V}$.
 - Where, C= Capacitance, q=amount of charge, V=potential difference between the conductors.
- Capacitance in electric circuits is introduced by a device called a **capacitor**.

★ Additional Information

- **Weber** is the unit of Magnetic flux.
- **The reciprocal of resistance** of a conductor is called its **conductance**.
 - Its SI unit is ohm^{-1} .
- The magnetic flux density of a point in a **magnetic field is the force experienced by a north pole of unit strength placed at that point.**
 - Its SI unit is **Newton/ampere-metre Weber/meter² (Wb/m^2)** or 1 tesla (T).

51. **Answer: c**

Explanation:

Given:

As different Discount percentage is given as shown in the question

Formula used:

Discount = Discount% \times Marked Price

Calculation:

$$\Rightarrow 8\% \text{ discount on marked price } ₹400 = (400 \times 8)/100 = ₹ 32$$

$$\Rightarrow 12\% \text{ discount on marked price } ₹240 = (240 \times 12)/100 = ₹ 28.8$$

$$\Rightarrow 7\% \text{ discount on marked price } ₹500 = (500 \times 7)/100 = ₹ 35$$

$$\Rightarrow 10\% \text{ discount on marked price } ₹320 = (320 \times 10)/100 = ₹ 32$$

$\therefore ₹ 35$

52. **Answer: d**

Explanation:

Given:

Sanjay scored 75 out of 150 marks in his mid-term exam and 105 out of 150 in his annual exam.

Calculations:

$$\Rightarrow \text{Sanjay \% marks in mid term} = (75/150) \times 100 = 50\%$$

$$\Rightarrow \text{Sanjay \% marks in final term} = (105/150) \times 100 = 70\%$$

$$\therefore \text{Percentage increase} = (70 - 50)/50 \times 100 = 40\%$$

53. Answer: c

Explanation:

Given:

$$[((16 \div 4) \times 4) \div 4]$$

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

Using the BODMAS rule,

Calculation:

$$\Rightarrow [((16 \div 4) \times 4) \div 4]$$

$$\therefore [(4 \times 4) \div 4] = 16/4 = 4$$

54. Answer: d

Explanation:

Given:

The ratio of father and son 5 years ago = 5 : 3

Calculation:

Let the age of father and son, 5 years ago be $5x$ and $3x$ respectively

Then, Present age of Father = $5x + 5$

The present age of son = $3x + 5$

After 10 years,

The age of father = $5x + 5 + 10 = 5x + 15$

The age of son = $3x + 5 + 10 = 3x + 15$

Ratio of father and son = $(5x + 15)/(3x + 15)$

Checking the given option one by one

Option 1,

$$(5x + 15)/(3x + 15) = 3/2$$

$$\Rightarrow 10x + 30 = 9x + 45$$

$$\Rightarrow x = 15$$

It gives positive value so it can be the ratio of their age

Option 2,

$$(5x + 15)/(3x + 15) = 8/7$$

$$\Rightarrow 35x + 105 = 24x + 120$$

$$\Rightarrow x = 15/11$$

It gives positive value so it can be the ratio of their age

Option 3,

$$(5x + 15)/(3x + 15) = 6/5$$

$$\Rightarrow 25x + 75 = 18x + 90$$

$$\Rightarrow x = 15/7$$

It gives positive value so it can be the ratio of their age

Option 4,

$$(5x + 15)/(3x + 15) = 7/3$$

$$\Rightarrow 15x + 45 = 21x + 105$$

$$\Rightarrow x = -60/6 = -10$$

Age can not be in negative

$\therefore 7 : 3$ can not be the ratio of their ages after 10 years

55. Answer: b

Explanation:

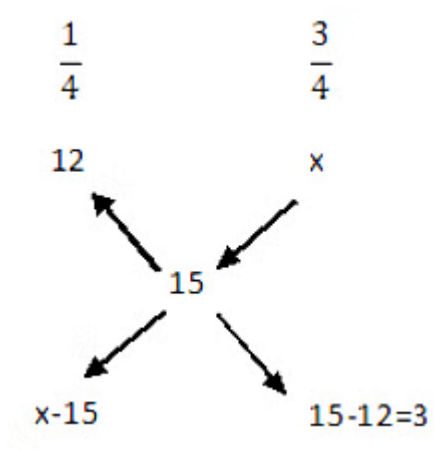
Given:

Rajaram sold one-fourth of the wheat at a profit of 12%. And overall he wants to earn a 15% profit.

Let him sell the remaining three-fourth part of wheat at a profit of = x%.

Calculation:

Using allegation



$$(x - 15)/3 = 1/3$$

$$\therefore x = 16\%$$

56. Answer: b

Explanation:

Given:

Let SP and CP be selling price and cost price of cloth (per meter) respectively.

If the profit made by a merchant on selling 45 m of cloth is equal to the selling price of 5m of cloth,

Calculation:

$$\Rightarrow 45(SP - CP) = 5SP$$

$$\Rightarrow 45SP - 45CP = 5SP$$

$$\Rightarrow 40SP = 45CP$$

$$\Rightarrow CP / SP = 40 / 45 = 8/9$$

$$\text{Profit percentage} = (SP - CP) / CP \times 100 = (9 - 8) / 8 = 1/8 = 12.5\%$$

57. Answer: c

Explanation:

Given:

An inlet pipe takes 8 hours to fill a tank. An outlet pipe takes 12 hours to empty.

Calculation:

⇒ Time is taken to fill in 1 hour = $1/8$

⇒ Time taken to empty in 1 hour = $-1/12$

⇒ If both pipes are opened simultaneously tank be filled in 1 hour = $1/8 - 1/12 = 1/24$ hours

∴ The total time taken is 24 hours.

58. Answer: c

Explanation:

Given:

Amount = $2 \times$ Principal

Rate % = 12 %

Formula used:

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

$A = P + S.I.$

Here,

S.I = simple interest

P = Principal

R = Rate of interest

T = Time

A = Amount

Calculation:

Let the principal be Rs. P

According to the question

$$A = 2P = P + (P \times R \times T)/100$$

$$\Rightarrow 2P = 100P + (P \times 12 \times T)/100$$

$$\Rightarrow 2P = (100P + 12PT)/100$$

$$\Rightarrow 2 = (100 + 12T)/100$$

$$\Rightarrow T = 100/12 = 8\frac{1}{3} \text{ years}$$

\therefore Times is $8\frac{1}{3}$ years

59. Answer: b

Explanation:

Given:

30 men can do a work in 30 days

Concept used:

If x person can do a work in y days then 1 person can do the work in xy days.

If a person can complete a job in z days then he can do $1/z$ work in a day.

Calculation:

As 30 men can do a job in 30 days

\Rightarrow 1 man can do the job in $30 \times 30 = 900$ days

Work done by 1 man in 1 days = $1/900$

\therefore 1 man can complete $1/900$ work in 1 day

60. Answer: c

Explanation:

Given :

Formula used = (Sum of Observation) / number of Observation

concept = $(5 \times n + 8 \times m) / m+n$

$\Rightarrow (5 \times 200 + 8 \times 100) / (200+100)$

$\Rightarrow 1800/300 = 6$

61. Answer: b

Explanation:

Given :

Sports	Spending (in °)
Hockey	63°
Football	54°
Cricket	81°
Others	162°

Calculation :

Total Expenditure on sports is Rs 18000

Here Cricket Exceeds football by $(81^\circ - 54^\circ) = 27^\circ$

$$360^\circ = 18000$$

$$10^\circ = 500$$

$$1^\circ = 50$$

$$27^\circ = 50 \times 27$$

∴ Amount spent on Cricket exceeds that on football by Rs. 1350

62. Answer: d

Explanation:

Given:

Ajay can row his boat in still water at a speed of 6 km/hr. The speed of the stream is 4 km/hr.

Formula used:

Time = Distance/Speed

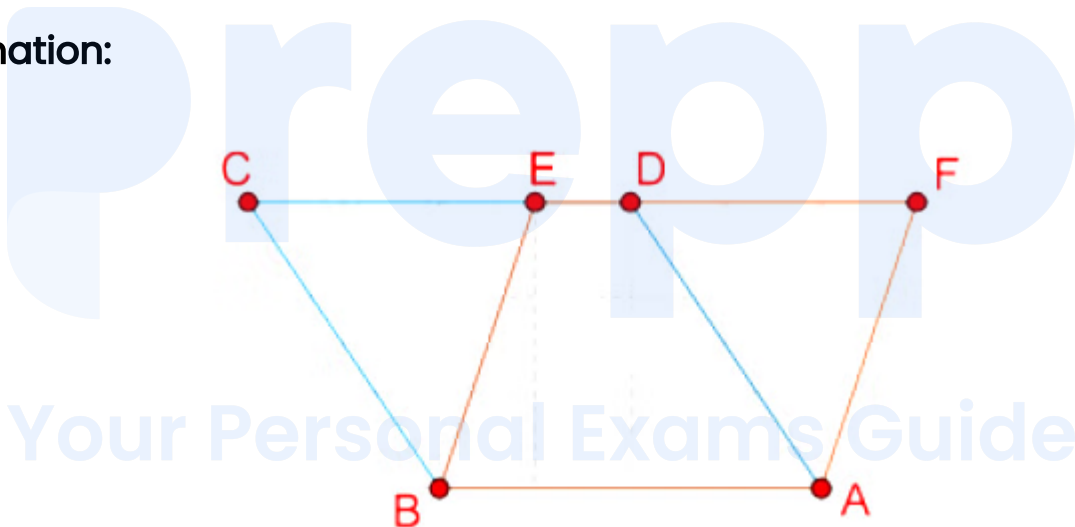
Calculation:

⇒ Speed of downstream = 6 + 4 = 10kmph

∴ Time is taken to a distance of 30 km downstream = $30/10 = 3$ hours

63. **Answer: a**

Explanation:



Given:

Two parallelograms stand on equal bases and between the same parallel.

Theorem Used:

Parallelograms on the same base and between the same parallels are equal in area.

Calculation:

Consider the figure presented above. Now $\triangle BCE$ and $\triangle ADF$ will be congruent. Let us prove this. We have:

1. $BC = AD$ (opposite sides of a parallelogram are equal)
2. $\angle BCE = \angle ADF$ (corresponding angles)
3. $\angle BEC = \angle AFD$ (corresponding angles)

By the ASA criterion, the two triangles are congruent, which means that their areas are equal.

\therefore Hence Proved .

64. Answer: c

Explanation:

Given:

The average marks of 42 students in an examination = 64

Formula Used:

Average of a given Terms/Series/Values = (Sum of the given Terms/Series/Values) / (Number of Terms/Series/Values)

Calculation:

Total Marks = $42 \times 64 = 2688$

\Rightarrow Later it was found that the marks of three students were misread as 72, 58, and 44 instead of the actual marks

64, 42, and 26 respectively

\therefore the Actual Average is = $\{2688 - (72 + 58 + 44) + (64 + 42 + 26)\} / 42 = 63$

65. Answer: b

Explanation:

Given:

Ration of length of train = 6 : 5

Ratio of speed = 3 : 2

Formula used:

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

Calculation:

Time = Distance/Speed

$$Time\ ratio = \frac{6}{3} : \frac{5}{2}$$

Ratio of Time of two train = 12 : 15 = 4 : 5

∴ Ratio of time of two trains is 4 : 5

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66. Answer: d

Explanation:

Given:

The mode of the data

26, 32, 26, 28, 26, 24, 31, 24

Formula Used:

MODE: The mode of a set of data values is the value that appears most often.

Calculation:

The mode of the data 26, 32, 26, 28, 26, 24, 31, 24 is 26 because 26 has appeared the most number of times.

∴ The mode is 26.

67. Answer: c

Explanation:

Given :

Area of base is increased by 1.98 times

Formula used :

$$\text{Volume of cone} = \frac{1}{3}\pi r^2 h$$

Calculation:

$$\text{Area of cone base} = \pi r^2$$

Let $r = 10$

$$\text{Area of base of Cone is } \pi 10^2 = 100\pi$$

According to Question Area of base has been increased by 1.96 times

$$\Rightarrow 1.96(100\pi)$$

$$\text{New base Area} = 196 \times \frac{22}{7}$$

$$\Rightarrow \pi r^2 = 196 \left(\frac{22}{7}\right)$$

$$\Rightarrow r = 14$$

$$\text{Hence volume of cone} = \frac{1}{3}\pi r^2 h$$

There is no change in height change only occur in radius

$$\text{Old volume} = \frac{1}{3} \times \frac{22}{7} \times 10^2 \times h$$

$$\text{New volume} = \frac{1}{3} \times \frac{22}{7} \times 14^2 \times h$$

$$\text{percentage change} = \frac{(196-100) \times 100}{100} = 96\%$$

∴ The volume is increased by 96%.

68. Answer: a

Explanation:

Given :

Sports	Spending (in °)
Hockey	63 °
Football	54 °
Cricket	81 °
Others	162 °

Calculation :

Football is less than cricket by $81^\circ - 54^\circ$

$$\text{Required percentage} = \frac{81-54}{81} \times 100$$

$$\text{Required percentage} = 33\frac{1}{3}\%$$

∴ $33\frac{1}{3}\%$ less is spent on football than cricket

69. Answer: a

Explanation:

Solution

Given

When P get 1 rupee Q receive 75 paisa

when Q get 1 Rupee R receive 50 paisa

Let P get Four Rupees then Q receive 3 rupees

if Q get 3 then R get 1.5 rupees

$$\Rightarrow 1.5x = 36$$

$$\Rightarrow x = 24$$

\Rightarrow P has 4x rupees

$$\Rightarrow 4(24) = 96$$

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70. Answer: d

Explanation:

Given :

$$6 \div 6 \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9$$

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

calculation :

$$6 \times \frac{1}{6} \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9$$

$$\Rightarrow 15 - 54 - 6 + 54$$

$$\Rightarrow 9$$

71. Answer: a

Explanation:

Given :

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$$\text{HCF} = 6, \text{LCM} = 120$$

Concept : Product of two number = LCM × HCF

The number must be = 6X, 6Y

$$6 \times 120 = (6X) (6Y)$$

$$(XY) = 20 = 5 \times 4$$

hence

The number must be = 6X, 6Y

so the number is = $6 \times 5, 6 \times 4 = (30,24)$

72. Answer: c

Explanation:

Given :

Total number of Boys & Girls = 60

calculation =

Factors of 60 = (1,3,4,5,6,10,12,15,20)

sum of the ratio of boys and girls = (1,3,4,5,6,10,12,15,20)

1 : 6 Sum is 7 that is not divisible by 60

2 : 3 , 1 : 3 , 3 : 7 sum is divisible by 60

Hence: 6 cant be the ratio of Boys and girls

73. Answer: c

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Explanation:

Given :

A sum double itself in 10 years

Formula used :

$$\text{Amount} = P(1 + R/100)^n$$

$$2P = P(1+r\%/100)^{10} \quad \text{eq 1}$$

$$4P = P(1+r\%/100)^n \quad \text{eq 2}$$

Divide wq 2 / 1

$$\left(\frac{4}{2} = \frac{\left(1 + \frac{r}{100}\right)^n}{\left(1 + \frac{r}{100}\right)^{10}}\right)$$

$$2 \times \left(1 + \frac{r}{100}\right)^{10} = \left(1 + \frac{r}{100}\right)^n$$

$$\left(1 + \frac{r}{100}\right)^{20} = \left(1 + \frac{r}{100}\right)^n$$

N = 20 years

74. Answer: b

Explanation:

Given :

Spending on Hockey = 63°

Spending on football = 54 °

Spending on cricket = 81 °

Spending on others = 162 °

Calculation :

162 is what % of total expenditure 360

$$\Rightarrow \frac{162}{360} \times 100 = 45 \%$$

75. Answer: d

Explanation:

Given :

The surface area of two spheres are in ratio = 49 : 25

Formula used :

$$\text{Area of sphere} = 4\pi r^2$$

$$\text{Volume of sphere} = \frac{4}{3}\pi r^3$$

Calculation:

According to question

$$\Rightarrow 4\pi R^2 : 4\pi r^2 = 49 : 25$$

$$\Rightarrow R : r = 7 : 5$$

$$\Rightarrow \text{Volume of sphere} = \frac{4}{3}(\pi 7^3) : \frac{4}{3}(\pi 5^3)$$

Hence $R^3 : r^3$ is 343 : 125.

76. **Answer: b**

Explanation:

The correct answer is 'Aerial'.

★ Key Points

- The most appropriate one-word for the given group of words is 'Aerial'.
- Let's look at the meaning and examples of the given options:

○	Terrestrial	relating to the earth	<i>Newton investigated terrestrial and celestial motion.</i>
	Aerial	a structure made of metal rods or wires that receives or sends out radio or television signals	<i>Meanwhile, the massive aerial bombardment of military targets continued unabated.</i>
	Arboreal	of or living in trees	<i>Humans evolved from arboreal ancestors.</i>
	Aquatic	living or growing in, happening in, or connected with water	<i>Waterskiing is my favorite aquatic sport.</i>

- Therefore, by reading the above explanation we find that the correct answer is Option 2.

77. Answer: a

Explanation:

The correct answer 'Auditorium'.

★ Key Points

- In the options given above the incorrectly spelt word is '**Auditorium**'.
- The correct spelling of it is '**Auditorium**'.
- Let's look at the meaning and examples of the given options:

Auditorium	the part of a theatre, or similar building, where the people who are watching and listening sit	<i>No smoking in the auditorium .</i>
Analysis	the act of analyzing something	<i>Chemical analysis revealed a high content of copper.</i>
Absolute	very great or to the largest degree possible	<i>I have absolute faith in her judgment.</i>
Ambition	a strong wish to achieve something	<i>He has already achieved his main ambition in life - to become wealthy.</i>

- Therefore, by reading the above explanation we find that the correct answer is Option 1.

78. Answer: b

Explanation:

The correct answer is 'involve the use of'.

★ Key Points

- The given sentence is **grammatically incorrect**.
- In the given sentence 'is involving the use' should be 'involve the use of'.
- Here, 'is' is used incorrectly. Therefore, 'involving' is also incorrect.
- We know that 'practices' is plural. Therefore, instead of using 'involves' we should use 'involve'.
- Therefore, the correct answer is **Option 2**.

Correct Sentence: Modern farming practices **involve the use of** fertilizers and pesticides.

★ Additional Information

- We know that '**used to**' is used to show **past habits**.
 - *Example: She **used to** live in London but now she lives in New York.*
- The other structures of 'used to':
- Verb+used to+V 1+ing shows habitual action.
 - *Example: I am used to getting up late in the morning.*

79. Answer: d

Explanation:

The correct answer is "that are similar in".

★ Key Points

- The given sentence is **grammatically incorrect**.
- Here, the usage of the preposition '**to**' is incorrect.
- We know that in the given sentence '**similar**' should be followed by the preposition '**in**'.
- The word '**similar**' means "**looking or being almost, but not exactly, the same**".
 - *Example: Paul is very **similar in** appearance to his brother.*
- By reading the above explanation we find that the correct answer is **Option 4**.

Thus, the Correct Sentence is: *Tissue is a group of cells **that are similar in** structure and are organized together.*

80. Answer: a

Explanation:

The correct answer is '**Unbelievable**'.

★ Key Points

- The most appropriate synonym of the given word '**Incredible**' is '**Unbelievable**'.
- Let's look at the meaning and examples of the given words:

o	Incredible	impossible, or very difficult, to believe	The latest missiles can be fired with incredible accuracy.
	Unbelievable	extremely surprising	She eats an unbelievable amount of food.
	Ordinary	not different or special or unexpected in any way; usual	Readers of the magazine said they wanted more stories about ordinary people and fewer stories about the rich and famous.
	Unspectacular	not spectacular; unremarkable	She had been an unspectacular student
	Impossible	If an action or event is impossible, it cannot happen or be achieved	It was impossible to sleep because of the noise.

- Therefore, by reading the above definition we find that the correct answer is Option 1.

81. Answer: c

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Explanation:

The correct answer is 'A piece of cake'.

★ Key Points

- The most appropriate word for the given idiom 'A piece of cake' is 'A very easy task'.
- **A piece of cake:** something that is very easy to do
 - Example: The exam was **a piece of cake**.
- Therefore, by reading the above explanation, we find that the correct answer is Option 3.

Correct Answer: *A very easy task.*

★ Additional Information

- The other idioms of the word '**piece**':
 - **A piece of the action:** a part of the profits or advantages that come from an activity
 - *Example: When it comes to lawsuits, everyone seems to want **a piece of the action**.*
 - **A piece of the pie:** a share of something
 - *Example: When the business started making money, everyone in his family wanted **a piece of the pie**.*
 - **A piece of the action:** involvement in something successful that someone else has started
 - *Example: Now research has proved that the drug is effective, everyone wants **a piece of the action**.*

82. Answer: a

Explanation:

The correct answer is '**produce by**'.

★ Key Points

- The given sentence is **grammatically incorrect**.
- The erroneous Part '**produce by**' should be '**produced by**'.
- We know that the given sentence is in **the passive voice**.
- Therefore, **the third form** of the verb '**produce**' that is '**produced**' should be used.
- Hence, the correct answer is '**produced by**'.

Thus, the Correct Answer: *Raw materials are substances that are either found naturally or produced by farmers.*

83. Answer: c

Explanation:

The correct answer is 'Illogical'.

★ Key Points

- The most appropriate antonym of the given word 'Rational' is 'Illogical'.

Rational	based on clear thought and reason	<i>There must be some rational explanation for what happened.</i>
Illogical	not reasonable, wise, or practical, usually because directed by the emotions rather than by careful thought	<i>It is an illogical statement, because if one part is true, then the other must be false.</i>
Impatient	easily annoyed by someone's mistakes or because you have to wait	<i>He's a good teacher but inclined to be a bit impatient with slow learners.</i>
Conscious	to notice that a particular thing or person exists or is present	<i>My tooth doesn't exactly hurt, but I'm conscious of it all the time.</i>
Polite	behaving in a way that is socially correct and shows an understanding of and care for other people's feelings	<i>She sent me a polite letter thanking me for my invitation.</i>

- By reading the above explanation we find that the correct answer is **Option 3**.

★ हिन्दी

दिए गए शब्द 'Rational' का सबसे उपयुक्त antonym 'Illogical' है।

• Rational	स्पष्ट विचार और तर्क के आधार पर
Illogical	उचित, बुद्धिमान या व्यावहारिक नहीं, आमतौर पर क्योंकि सावधान विचार के बजाय भावनाओं द्वारा निर्देशित किया जाता है
Impatient	आसानी से किसी की गलतियों से नाराज हो जाते हैं या क्योंकि आपको इंतजार करना पड़ता है
Conscious	ध्यान देना कि कोई विशेष चीज या व्यक्ति मौजूद है या मौजूद है
Polite	एक तरह से व्यवहार करना जो सामाजिक रूप से सही है और अन्य लोगों की भावनाओं की देखभाल और देखभाल को दर्शाता है

84. Answer: c

Explanation:

The correct answer is 'will be noticed'.

★ Key Points

- The given sentence is **grammatically incorrect**.
- In the given sentence '**will be noticed**' should be '**will notice**'.
- We know that the given sentence is an example of '**the first conditional**'.
- Its structure is: **If+Present Indefinite, Simple Future**
 - Example: *If he works hard, he will surely get the job.*
- Therefore, by reading the above explanation we find that the correct answer is **Option 3**.

Correct Sentence: *If you plant a seed, you **will notice** that it takes some time to grow.*

★ Additional Information

- The other Important Structures of **Conditional Sentences**:
 - **If+Subject+had+V₃, S+would+have+V₃**
 - Example: *If I had seen you, I would have stopped my car.*
 - **If+Subject+V₂, Subject+would+V₁**
 - Example: *If I were the king, I would reform these tax laws.*

85. Answer: c

Explanation:

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

★ Key Points

- The most appropriate word to fill in the blank is '**were employed**'.
- We know that the given sentence is in **the past tense**.
- Here, '**Most workers**' is **plural**. Therefore, a **plural helping verb** should be used.
- As the given sentence is in **the past tense**. Hence, '**were**' should be used.
- Therefore, the correct answer is **Option 3**.

Correct Sentence: *Most workers **were employed** as labourers in factories where their wages were fixed.*

★ Additional Information

- If the point of time words are mentioned in the sentence like 'Last, Yesterday, the other day, ago, back, before, last, etc.' then the second form of the verb is used.
 - Example: *Tina appeared in the UPSC examination last year.*
- The following phrases are followed by past indefinite/simple tense:
 - It's high time, It's Time, It's about time, etc.
 - Example: *It's high time I started preparing for the exam in Hindi Literature.*
- रिक्त स्थान की पूर्ति के लिए सर्वाधिक उपयुक्त शब्द है 'were employed'।
- हम जानते हैं कि दिया गया वाक्य past tense में है।
- यहाँ 'most workers' बहुवचन है। इसलिए, एक बहुवचन helping verb का उपयोग किया जाना चाहिए।
- जैसा कि दिया गया वाक्य भूतकाल में है। इसलिए, 'were' का प्रयोग किया जाना चाहिए।
- अतः सही उत्तर विकल्प 3 है।

सही वाक्य: *Most workers were employed as labourers in factories where their wages were fixed.*

86. Answer: c

Explanation:

The correct answer is '**Bileive**'.

★ Key Points

- In the options given above the incorrectly spelt word is '**Bileive**'.
- The correct spelling of it is '**Believe**'.
- Let's look at the meaning and examples of the given options:

Bracelet	a piece of jewellery that is worn around the wrist or arm	<i>I took the bracelet back to the jewellers' because the catch was faulty.</i>
Biannual	happening twice a year	<i>The committee has just published its biannual report.</i>
Believe	to think that something is true, correct, or real	<i>He believes that all children are born with equal intelligence.</i>
Brochure	a type of small magazine that contains pictures and information on a product or a company	<i>Enclosed is a brochure that highlights the benefits that you can receive as a corporate donor.</i>

- By reading the above explanation we find that the correct answer is **Option 3**.

87. Answer: a

Explanation:

The correct answer is '**farmer's**'.

★ Key Points

- The given sentence is **grammatically incorrect**.
- In the given sentence 'farmer's' should be 'farmers'.
- Here, in the given sentence **possessive** of the word 'farmer' is used wrongly.
- In the given sentence **plural form of 'farmer'** should be used.
- **Possessive pronouns** show that **something belongs to someone**. Here, 'farmer' refers to the whole class.
- Therefore, 'farmers' should be used. And the correct answer is **Option 1**.

Correct Sentence: *Scholars have studied the lives of present-day **farmers** who practice agriculture.*

★ Additional Information

- We should avoid 'Possessive Pronouns' with words such as:
 - Separation, Leave, Excuse, Mention, Report, Pardon, Sight, Favor.

88. Answer: b

Explanation:

The correct answer is 'Joy'.

★ Key Points

- The most appropriate synonym of the given word 'Delight' is 'Joy'.
- Let's look at the meaning and examples of the given words:

Delight	(something or someone that gives) great pleasure, satisfaction, or happiness	<i>My sister's little boy is a real delight.</i>
Joy	great happiness	<i>They were filled with joy when their first child was born.</i>
Grief	very great sadness, especially at the death of someone	<i>Her grief at her son's death was terrible.</i>
Dismay	a feeling of unhappiness and disappointment	<i>The fans watched in/with dismay as their team lost 42–11.</i>
Dread	to feel extremely worried or frightened about something that is going to happen or that might happen	<i>He's dreading the exam – he's sure he's going to fail.</i>

- Therefore, by reading the above explanation we find that the correct answer is Option 2.

89. Answer: b

Explanation:

The correct answer is 'Fake'.

★ Key Points

- The most appropriate antonym of the given word 'Genuine' is 'Fake'.
- Let's look at the meaning and examples of the given words:

Genuine	If something is genuine, it is real and exactly what it appears to be	<i>If it is a genuine Michelangelo drawing, it will sell for millions.</i>
Fake	an object that is made to look real or valuable in order to deceive people	<i>Experts revealed that the painting was a fake.</i>
Thankful	happy or grateful because of something	<i>I was thankful that the meeting didn't last long because I had to get home.</i>
Unhealthy	not good for your health	<i>The consequences of an unhealthy lifestyle include a higher risk of diabetes, heart diseases, stroke, and cancer.</i>
Original	existing since the beginning, or being the earliest form of something	<i>The gardens have recently been restored to their original glory.</i>

- By reading the above explanation we find that the correct answer is **Option 2**.

90. Answer: d

Explanation:

The correct answer is '**Audible**'.

★ Key Points

- The most appropriate one-word for the given group of words is '**Audible**'.
- Let's look at the meaning and examples of the words given in the options:

o	Legible	Legible writing or print can be read easily	<i>Her handwriting is barely legible.</i>
	Edible	suitable or safe for eating	<i>Only the leaves of the plant are edible.</i>
	Tangible	real and not imaginary; able to be shown, touched, or experienced	<i>We need tangible evidence if we're going to take legal action.</i>
	Audible	able to be heard	<i>The lecturer spoke so quietly that he was scarcely audible at the back of the hall.</i>

- Hence, by reading the above explanation we find that the correct answer is Option 4.

91. Answer: b

Explanation:

The correct answer is 'interact'.

★ Key Points

- The most appropriate fill in the blank of the given sentence is 'interact'.
- Let's look at the meaning and examples of the given sentence:

○	Collapse	to fall down suddenly because of pressure or having no strength or support	<i>Thousands of buildings collapsed in the earthquake.</i>
	Interact	to communicate with or react to/ if two substances, areas of business, etc. interact, they work together or have an effect on each another	<i>It's interesting at parties to see how people interact socially.</i>
	Surround	to be everywhere around something	<i>Snow-capped mountains surround the city.</i>
	Impose	to officially force a rule, tax, punishment, etc. to be obeyed or received	<i>Very high taxes have recently been imposed on cigarettes.</i>

- Here, by reading the above explanations we find that the most appropriate word is '**Interact**'.
- Therefore, the correct answer is **Option 2**.

Correct Sentence: *Biosphere is a narrow zone of the earth where land, water, and air **interact** with each other to support life.*

92. Answer: c

Explanation:

The correct answer is '**To be uncomfortable**'.

★ Key Points

- The most appropriate word for the given idiom '**Fish out of water**' is '**To be uncomfortable**'.
- **Fish out of water:** someone who is uncomfortable in a specific situation

- Example: I felt like **a fish out of water** at my new school.
- Therefore, by reading the above explanation we find that the correct answer is **Option 3**.

Correct Answer: *To be uncomfortable.*

★ Additional Information

- The other idiom of the word 'fish' is:
 - **A fishing expedition:** an attempt to discover the facts about something by collecting a lot of information, often secretly
 - Example: The investigators' request for the company's accounts is simply **a fishing expedition** - they have no real evidence of wrongdoing.

93. Answer: d

Explanation:

The correct answer is 'can breathe underwater'.

★ Key Points

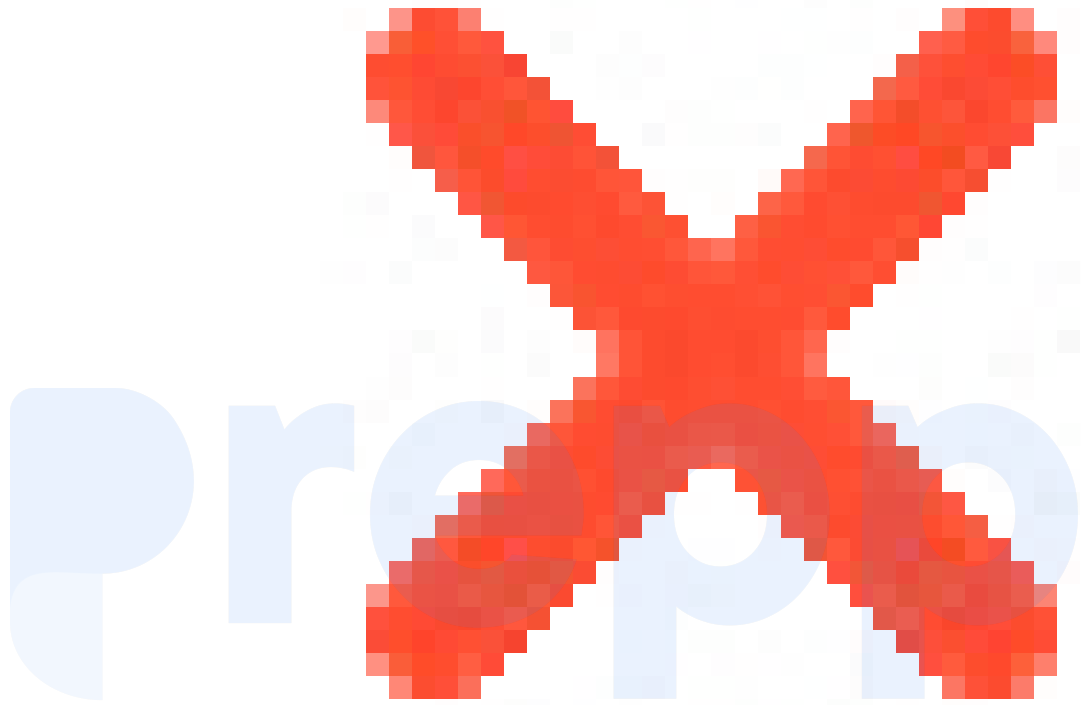
- The given sentence is **grammatically incorrect**.
- The most appropriate substitution for the given underlined part is '**can breathe underwater**'.
- Here, in the given sentence '**can**' is used as **a modal verb**.
- And we know that after **modal verbs**, the **first form of the verb** is used. We need to replace '**breathed**' with "**breathe**".

Correct Sentence: *The aquatic animals **can breathe underwater** due to dissolved oxygen.*

★ Additional Information

- We know that 'May and Might' do not take 'Possibly' and 'Likely' with it.
 - It makes the sentence superfluous.

- Its example as follows:
 - *We may possibly come tomorrow.*



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- *We may come tomorrow.*



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94. Answer: c

Explanation:

The correct answer is 'led'.

★ Key Points

- The most appropriate word for the given fill in the blank is 'led'.
- The given sentence is in **the past tense**.

- If the point of time words are mentioned in the sentence like Last, yesterday, the other day, back, before, last, or past time, etc. then Past indefinite tense is used.
 - Example: I **saw** the movie yesterday.
- Here, the second form of 'lead' is 'led'.
- The word 'led to' describes an action completed in **the past**.
- Therefore, the correct answer is **Option 3**.

Correct Sentence: *The French Revolution led to the end of monarchy in France.*

- रिक्त में दिए गए भरण के लिए सबसे उपयुक्त शब्द है 'led'।
- दिया गया वाक्य past tense में है।
- यदि वाक्य के समय को Last, yesterday, the other day, back, before, last, or past time आदि जैसे वाक्यों में वर्णित किया जाता है, तो past indefinite tense का उपयोग किया जाता है।
 - उदाहरण: I saw the movie yesterday.
- यहाँ, 'lead' का दूसरा रूप 'led' है।
- शब्द 'led to' अतीत में पूरा एक कार्रवाई का वर्णन करता है।
- इसलिए, सही उत्तर विकल्प 3 है।

सही वाक्य: *The French Revolution led to the end of monarchy in France.*

95. Answer: b

Explanation:

The correct answer is '**naturally**'.

★ **Key Points**

- The most appropriate word for the given fill in the blank is '**naturally**'.
- All the options given above are **adverbs**.
- Let's look at the meaning and examples of the given word:

○	Thoroughly	completely, very much	I thoroughly enjoyed the performance.
	Naturally	happening or existing as part of nature and not made or done by people	A healthy body will be able to fight off the illness naturally without the use of medicine.
	Fictitiously	in a false manner intended to mislead	He declared the whole legend was fictitious.
	Falsely	in a way that is not true	<i>He claimed, falsely, that he was married.</i>

- By reading the above explanation we find that the correct answer is **Option 2**.

Correct Sentence: Minerals are **naturally** occurring substances which have certain physical properties.

★ Additional Information

- Some words like:
 - Daily, weekly, timely, monthly, early, fast, straight, outright, direct, hard, late, high, safe, quiet, etc. are used as both 'adjectives and 'adverbs'.
 - Example: Mark visits his family weekly.
 - Example: Kapil takes the weekly test for SSC-CPO.

96. Answer: c

Explanation:

The correct answer is 'the'.

★ Key Points

- In the given fill in the blank, the most appropriate option is 'the'.
- The definite article 'the' is used before **singular and plural nouns** when **the noun is specific or particular**.
- The signals that **the noun is definite**.

- Example: **The** dog that bit me ran away.
- Here, we're talking about a specific dog, the dog that bit me.
- Here, the given question is talking about **a particular city**. Hence, the definite article '**the**' should be used.
- Therefore, the correct answer is **Option 3**.

Correct Sentence: "On the morning of 14 July, 1789, **the** city of Paris..."

97. Answer: d

Explanation:

The correct answer is '**alarm**'.

★ Key Points

- In the given fill in the blank, the word '**alarm**' should be used. The given passage is talking about a war.
- Here, in the given sentence '**alarm**' should be used.
- The meaning of '**alarm**' is **a warning of danger, usually a loud noise or flashing light**.
 - Example: The first two bomb alerts were false **alarms**, but the third was for real.
- Therefore, by reading the above explanation we find that the correct answer is **Option 4**.

Correct Answer: "Paris was in a state of **alarm**..."

★ Additional Information

- The meaning of other word given in the options as follows:

○	Peace	freedom from war and violence, especially when people live and work together happily without disagreements	<i>Peace lasted in Europe for just over 20 years after 1918 before war broke out again.</i>
	Disagreement	an argument or a situation in which people do not have the same opinion	<i>Literary critics were in total disagreement about the value of the book.</i>
	Ease	to make or become less severe, difficult, unpleasant, painful, etc.	<i>These pills should ease the pain.</i>

98. Answer: a

Explanation:

The correct answer is '**commanded**'.

★ Key Points

- In the given fill in the blank, the most appropriate word is '**commanded**'.
- The word '**commanded**' means ordered, especially by a soldier of a higher rank.
 - *Example: He hated being in the army because he had to obey **commands**.*
- We know that troops are commanded.
- Therefore, the correct answer is **Option 1**.

Correct Sentence: *The king had **commanded** troops to move into the city.*

★ Additional Information

- Let's look at the meaning and examples of the given words:

○	Urged	a strong wish, especially one that is difficult or impossible to control	<i>The two of them seem unable to control their sexual urges.</i>
	Expected	believed to be going to happen or arrive	<i>The expected counterattack never happened.</i>
	Announced	to make something known or tell people about something officially	<i>They announced the death of their mother in the local paper.</i>

99. Answer: a

Explanation:

The correct answer is 'open'.

★ Key Points

- The most appropriate word for the given fill in blank is 'open'. The given passage is about war.
- Here, the phrase 'Open fire' means to **begin to shoot**.
 - *Example: Troops **opened fire** on crowds armed with staves and knives.*
- Therefore, the correct answer is **Option 1**.

Correct Sentence: Rumours spread that he would soon order the army to **open fire** upon the citizens.

100. Answer: a

Explanation:

The correct answer is 'in front of'.

★ Key Points

- The most appropriate phrase for the given fill in the blank is 'in front of'.
- The phrase 'in front of' means 'in a position just ahead or at the frontal part of someone or something else'.
 - Example: The lawn **in front of** the house.
- By reading the above explanation we find that the correct answer is **Option 1**.

Correct Sentence: "Some 7,000 men and women gathered **in front of** the town hall."

★ Additional Information

- Let's look at the meaning and examples of the given words:

<ul style="list-style-type: none"> ◦ Besides 	in addition to; also	<i>She won't mind if you're late - besides, it's hardly your fault.</i>
Across	from one side to the other of something with clear limits, such as an area of land, a road, or a river	<i>They're building a new bridge across the river.</i>
On top of	in control of a situation and aware of changes	<i>The stock market has been unpredictable, and you really have to stay on top of things.</i>