



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC CGL 2018 (Tier-I) Previous Year Paper (12-Jun-2019) (Shift 1)

Total Time: 1 Hour

Total Marks: 200

Instructions

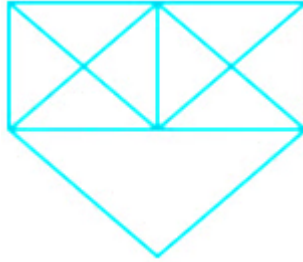
Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	25	50	0.5	2
2	General Awareness	25	50	0.5	2
3	Quantitative Aptitude	25	50	0.5	2
4	English Comprehension	25	50	0.5	2

- 1.) A total of 60 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

General Intelligence and Reasoning

1. How many triangles are present in the following figure?

(+2, -0.5)



- a. 20
- b. 17
- c. 18
- d. 19

2. Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

(+2, -0.5)

- a. Inquire
- b. Examine
- c. Deliberate
- d. Explore

3. The sum of the current ages of Vishal and Armaan is 70 years. 5 years ago, Vishal was twice as old as Armaan. What is Armaan's current age?

(+2, -0.5)

- a. 45 years

- b. 10 years
- c. 25 years
- d. 20 years

4. Which letter will replace the question mark (?) in the following series? (+2, -0.5)

X, R, ?, I, F, D, C

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

5. Which two signs should be interchanged to make the following equation correct? (+2, -0.5)

$$4 \times 5 - 24 \div 12 + 8 = 14$$

- a. + and $\div$
- b. $\div$ and $\times$
- c. $\times$ and +
- d. + and -

6. Select the missing number from the below options. (+2, -0.5)

$\left(\begin{array}{*{20}{c}} 9 \& \{11\} \& 8 \\ 6 \& 8 \& 3 \\ \{45\} \& \{57\} \& ? \end{array} \right)$

- a. 53
 - b. 54
 - c. 52
 - d. 55
-

7. Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest. (+2, -0.5)

- a. 13 : 170
 - b. 5 : 24
 - c. 7 : 48
 - d. 11 : 120
-

8. 'A + B' means 'A is the sister of B' (+2, -0.5)

'A - B' means 'A is the brother of B'

'A × B' means 'A is the mother of B'

'A ÷ B' means 'A is the father of B'

If $V + S \times Q - P \div T + R \times U$, then how is R related to S?

- a. Daughter
- b. Grandson
- c. Grand-daughter
- d. Maternal grandmother

9. Arrange the following words in a logical and meaningful order. (+2, -0.5)

1. Writing

2. Book

3. Seller

4. Idea

5. Feedback

6. Reader

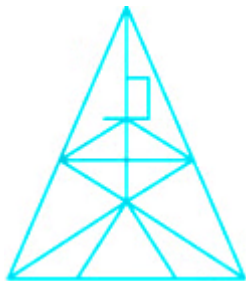
a. 4, 1, 2, 3, 6, 5

b. 4, 1, 2, 6, 5, 3

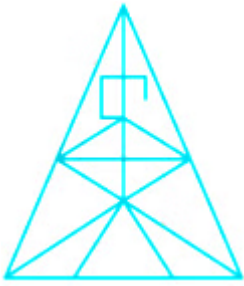
c. 4, 1, 2, 6, 3, 5

d. 4, 1, 3, 6, 5, 2

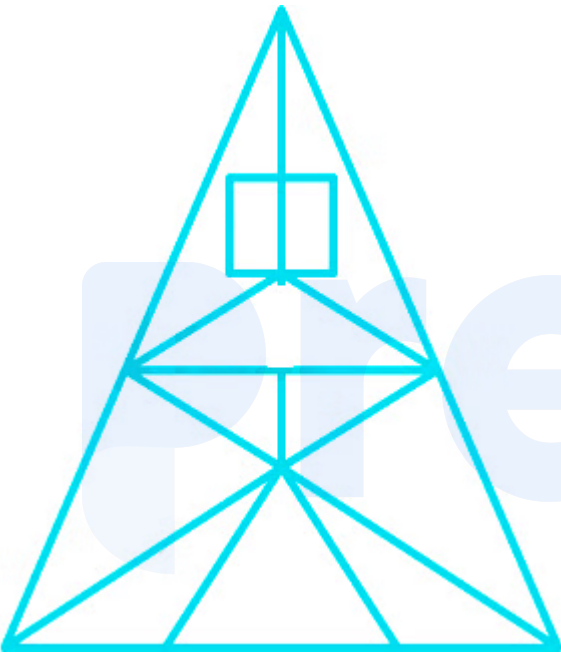
10. Select the figure in which the given figure is embedded. (Rotation is not allowed). (+2, -0.5)



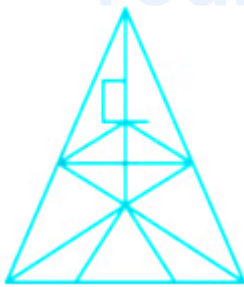
a.



b.



c.



d.

11. Three different positions of the same dice are shown. Which number will be on the face opposite to the one having 3? (+2, -0.5)



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

12. Select the word-pair in which the two words are related in the same way as the two words in the following word pair. (+2, -0.5)

Suitcase : Cloak Room

- a. Salary : Credit
- b. Money : Bank
- c. Bag : Luggage
- d. Chair : Furniture

13. In a code language, PERMANENT is written as EPMRBENTN. How will TECHNICAL be written as in that language? (+2, -0.5)

- a. ETHCOCILA
- b. ETHCPCILA
- c. ETCHOCILA
- d. TEHCOCIAL

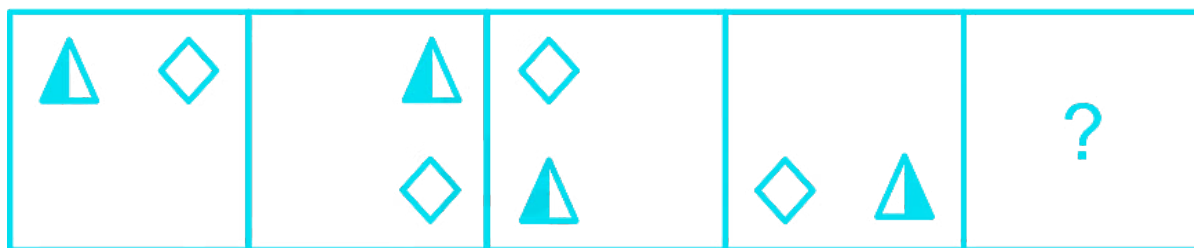
14. 'Political Science' is related to 'Social Science' in the same way as 'Chemistry' is related to '_____'. (+2, -0.5)

- a. Science
- b. Elements
- c. Humanities
- d. Equations

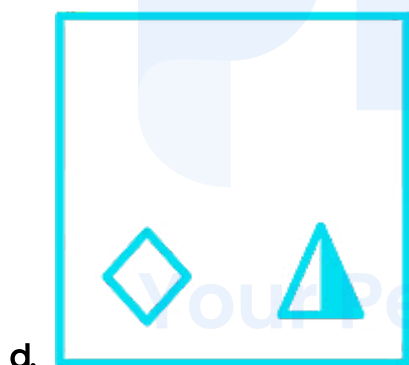
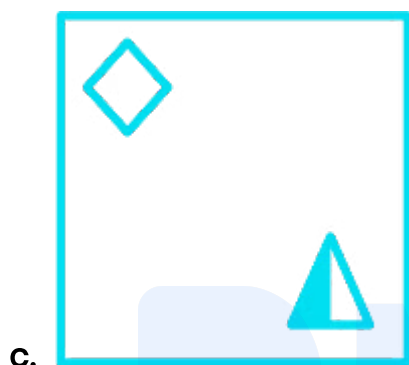
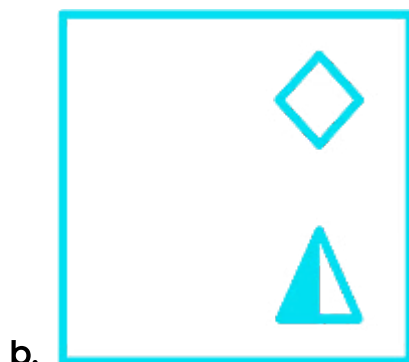
15. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out. (+2, -0.5)

- a. JKNRV
- b. UUYCH
- c. GHKOT
- d. PQTXC

16. Select the figure that will come next in the following figure series. (+2, -0.5)



- a. 



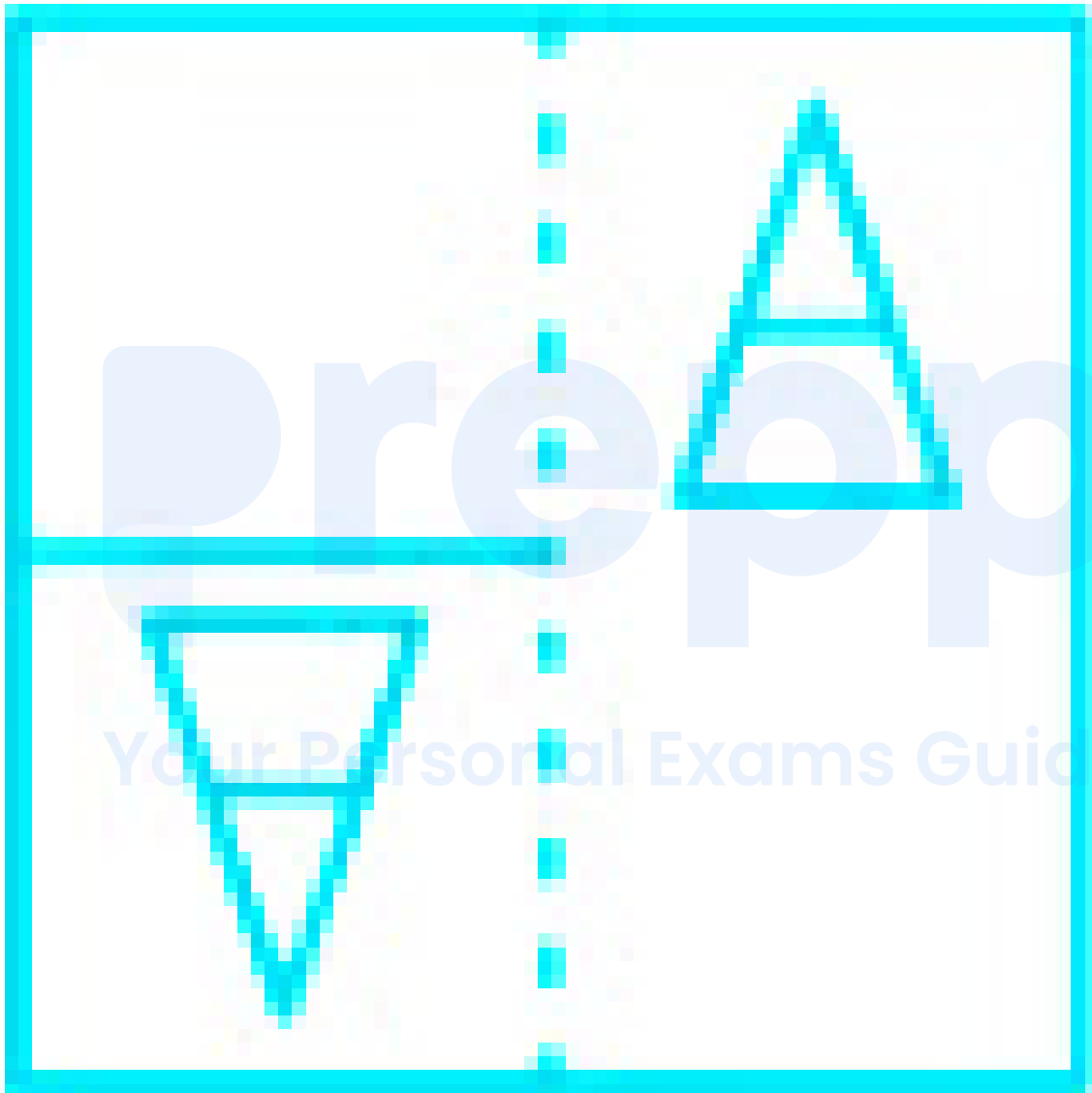
17. Which number will replace the question mark (?) in the following series? (+2, -0.5)

115, ?, 134, 145, 157, 170

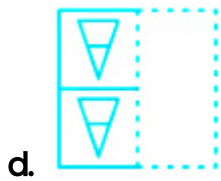
- a. 122
- b. 127
- c. 125

d. 124

18. Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line. (+2, -0.5)



a.



19. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

(+2, -0.5)



a.



b.



c.



d.

20. Select the missing number from the below options.

(+2, -0.5)

$$\begin{array}{*{20}{c}} \{11\} \& \{17\} \& 8 \\ \{16\} \& \{36\} \& 4 \\ \{15\} \& \{23\} \& ? \end{array}$$

a. 12

b. 14

c. 11

d. 10

21. Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true. Even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

(+2, -0.5)

Statement:

All drums are sticks.

Some drums are boxes.

Conclusions:

I. Some boxes are sticks.

II. Some sticks are drums.

III. All sticks are drums.

- a. Only conclusions I and III follow
- b. All the conclusions, I, II and III follow
- c. Only conclusions II and III follow
- d. Only conclusions I and II follow

22. In a code language, YOGHURT is written is written as 251578211820. How will DEVELOP be written as in that language? (+2, -0.5)

- a. 45225121515
- b. 45225121516
- c. 45215121516
- d. 45225111516

23. Which letter-cluster will replace the question mark (?) in the following series? (+2, -0.5)

FKP, HNT, JQX, LTB, ?

- a. NXF
- b. NWF
- c. MWF

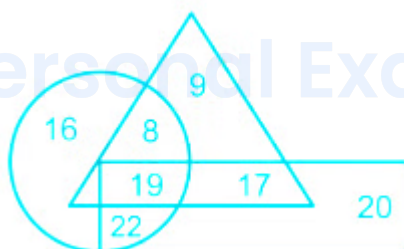
d. NWG

24. Select the option that is related to the third number in the same way as the second number is related to the first number. (+2, -0.5)

9 : 90 :: 12 : ?

- a. 156
- b. 150
- c. 152
- d. 158

25. In the given Venn diagram, the circle represents 'businessmen', the triangle represents 'Landlords' and the rectangle represents 'income tax payers'. The numbers given in the diagram represent the number of persons in that category. (+2, -0.5)



How many businessmen are taxpayers but NOT landlords?

- a. 8
- b. 22
- c. 17
- d. 19

General Awareness

26. Which state of India has the longest mainland coastline? (+2, -0.5)

- a. Gujarat
 - b. Maharashtra
 - c. Odisha
 - d. Kerala
-

27. The term 'Dolphin Kick' is associated with which sport? (+2, -0.5)

- a. Football
 - b. Swimming
 - c. Cricket
 - d. Rugby
-

28. Blue litmus paper turns _ _ _ _ _ on contact with an acidic solution. (+2, -0.5)

- a. yellow
 - b. brown
 - c. green
 - d. red
-

29. Which Indian badminton player was runner-up at the 2019 Swiss Open tournament? (+2, -0.5)

- a. Chetan Anand
- b. Sai Praneeth
- c. Kidambi Srikanth
- d. Parupalli Kashyap

30. Which of the following is the highest mountain peak in Maharashtra? (+2, -0.5)

- a. Kalsubai Shikhar
- b. Salher
- c. Taramati
- d. Anjaneri

31. Dashain is the grandest festival of _____. (+2, -0.5)

- a. Bhutan
- b. Bangladesh
- c. Nepal
- d. Sri Lanka

32. Which of the following is called the 'popular chamber'? (+2, -0.5)

- a. Rajya Sabha
 - b. State Assembly
 - c. Gram Sabha
 - d. Lok Sabha
-

33. Which of the following Indian film-makers was given the title of 'Ambassador of Interlaken' in 2011 at Switzerland? (+2, -0.5)

- a. Yash Johar
 - b. Subhash Ghai
 - c. Raj Kapoor
 - d. Yash Chopra
-

34. Which Indian batsman was the first to hit six consecutive sixes in first-class cricket? (+2, -0.5)

- a. Ravi Shastri
 - b. Virat Kohli
 - c. Sunil Gavaskar
 - d. Sachin Tendulkar
-

35. _____ has been established as the annual 'International Day of Happiness'. (+2, -0.5)

- a. 20th March

- b. 23rd February
 - c. 15th January
 - d. 31st March
-

36. What is the dominant chemical present in detergent powder? (+2, -0.5)

- a. Sodium carbonate
 - b. Calcium carbonate
 - c. Sodium alkyl sulphate
 - d. Hydrochloric acid
-

37. During World War II, the Battles of Kohima and Imphal were fought in the year _____. (+2, -0.5)

- a. 1942
 - b. 1943
 - c. 1944
 - d. 1945
-

38. What effect will a decrease in demand and an increase in supply have on equilibrium price? (+2, -0.5)

- a. Equilibrium price will fall
- b. Equilibrium price will be constant

- c. Equilibrium price will rise
 - d. Sometimes price will rise and sometimes it will fall
-

39. Which article for the Constitution of India provides that each Indian state will have a governor? (+2, -0.5)

- a. Article 151
 - b. Article 154
 - c. Article 152
 - d. Article 153
-

40. In the year _____, the Maratha Empire ceased to exist with the surrender of the Marathas to the British, ending the Third Anglo-Maratha War. (+2, -0.5)

- a. 1818
 - b. 1792
 - c. 1806
 - d. 1811
-

41. Who is the author of the book 'India Shashtra: Reflections on the Nation in our Time'?

- a. Shashi Tharoor
- b. Narendra Modi

- c. Manmohan Singh
 - d. A P J Abdul Kalam
-

42. What was India's rank among 156 countries in the Global Happiness Index 2019? **(+2, -0.5)**

- a. 124th
 - b. 140th
 - c. 137th
 - d. 132nd
-

43. Which of the following countries is the largest producer of wheat in the world? **(+2, -0.5)**

- a. Bangladesh
 - b. China
 - c. Myanmar (Burma)
 - d. India
-

44. _____ is well-known for the golden beautification of the Harmandir Sahib Gurdwara in Amritsar, famously known as the Golden Temple. **(+2, -0.5)**

- a. Duleep Singh
- b. Charat Singh

- c. Maha Singh
 - d. Ranjit Singh
-

45. To which of the following Indian states does the tribe of 'Nyishi' belong? **(+2, -0.5)**

- a. Arunachal Pradesh
 - b. Tamil Nadu
 - c. Bihar
 - d. Chhattisgarh
-

46. What is the distinctive characteristic of 'marsupials'? **(+2, -0.5)**

- a. They migrate from one place to another
 - b. They hibernate in winter
 - c. They lay eggs
 - d. They carry young ones in pouches
-

47. Rajat has hypermetropia. What type of lens will the ophthalmologist recommend to correct his vision? **(+2, -0.5)**

- a. Convex
- b. Bifocal
- c. Concave
- d. Progressive

48. A substantial increase in capital expenditure or revenue deficit leads to ----- (+2, -0.5)

- a. Primary Deficit
- b. Budgetary Deficit
- c. Fiscal Deficit
- d. Revenue Deficit

49. Name the tissue that transports food to various parts of a plant. (+2, -0.5)

- a. Xylem
- b. Parenchyma
- c. Phloem
- d. Sclerenchyma

50. Who was the last ruler of the Vaghela Dynasty of Gujarat after whose defeat the kingdom was passed to Alauddin Khilji? (+2, -0.5)

- a. Karandev
- b. Saranga Deva
- c. Arjuna Deva
- d. Rama

Quantitative Aptitude

51. What is the value of x so that the seven digit number $91876x2$ is divisible by 72? (+2, -0.5)
- a. 5
 - b. 2
 - c. 3
 - d. 0

52. In $\triangle ABC$, P is a point on BC such that $BP : PC = 2 : 3$ and Q is the midpoint of BP . Then $\ar(\triangle ABQ) : \ar(\triangle ABC)$ is equal to: (+2, -0.5)
- a. 1 : 5
 - b. 1 : 4
 - c. 2 : 5
 - d. 2 : 3

53. Chords AB and CD of a circle intersect at a point P inside the circle. If $AB = 10$ cm, $AP = 4$ cm and $PC = 5$ cm, then CD is equal to: (+2, -0.5)
- a. 6.8 cm
 - b. 7.8 cm
 - c. 4.8 cm
 - d. 9.8 cm

54. The price of sugar is increased by 17%. A person wants to increase his expenditure by 7% only. By what percentage, correct to one decimal place, should he reduce his consumption? (+2, -0.5)

- a. 8.7%
- b. 8.5%
- c. 8.1%
- d. 8.3%

55. If $\cos\theta = 4/5$, then $\sin^2\theta \cos\theta + \cos^2\theta \sin\theta$ is equal to: (+2, -0.5)

- a. $82/125$
- b. $14/25$
- c. $84/125$
- d. $16/25$

56. **Directions:** The following table shows the percentage distribution of students in various disciplines from five different colleges. (+2, -0.5)

Disciplines	Colleges				
	A	B	C	D	E
Science	25	35	45	28	35
Economics	35	40	20	42	25
Mathematics	40	25	35	30	40
Total students	8,000	10,000	15,000	9,000	11,000

If the data of the total students' college wise is represented by a pie-chart what is the central angle of the sector representing college E (to nearest whole number)?

- a. 79°
- b. 73°
- c. 78°
- d. 75°

57. **Directions:** The following table shows the percentage distribution of students in various disciplines from five different colleges. (+2, -0.5)

Disciplines	Colleges				
	A	B	C	D	E
Science	25	35	45	28	35
Economics	35	40	20	42	25
Mathematics	40	25	35	30	40
Total students	8,000	10,000	15,000	9,000	11,000

The number of students from the discipline of Economics from college B is approximate what percentage of the number of students from the discipline of science from college C?

- a. 59
- b. 56
- c. 61
- d. 58

58. The difference between the compound interest and simple interest on Rs. $(+2, -0.5)$ X at 12% per annum for 2 years is Rs. 43.20. What is the value of x?

- a. 2,800

b. 2,500

c. 3,000

d. 2,400

59. If $(a + b) = 6$ and $ab = 8$, then $(a^3 + b^3)$ is equal to: (+2, -0.5)

a. 144

b. 72

c. 216

d. 108

60. A train without stoppage travels with an average speed of 80 km/h and with stoppage, it travels with an average speed of 64 km/h. For how many minutes does the train stop on an average per hour? (+2, -0.5)

a. 7

b. 12

c. 8

d. 9

61. If $\sqrt{x} + \frac{1}{\sqrt{x}} = 2\sqrt{2}$, then $x^2 + \frac{1}{x^2}$ is equal to: (+2, -0.5)

a. 34

b. 32

c. 64

d. 36

62. $\triangle ABC \sim \triangle RQP$ and $PQ = 10$ cm, $QR = 12$ cm and $RP = 16$ cm, If $\text{ar}(\triangle PQR)/\text{ar}(\triangle ABC) = 9/4$, then BC is equal to: (+2, -0.5)

a. 6 cm

b. $20/3$ cm

c. $32/3$ cm

d. 8 cm

63. **Directions:** The following table shows the percentage distribution of students in various disciplines from five different colleges. (+2, -0.5)

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Disciplines	Colleges				
	A	B	C	D	E
Science	25	35	45	28	35
Economics	35	40	20	42	25
Mathematics	40	25	35	30	40
Total students	8,000	10,000	15,000	9,000	11,000

What is the average number of students from the science discipline of all the colleges taken together?

- a. 3642
- b. 3762
- c. 3748
- d. 3724

64. A is 50% more efficient than B and C is 40% less efficient than B. Working together, they can complete a task in 20 days. In how many days will C alone complete 30% of that task? (+2, -0.5)
- a. 35

b. 33

c. 31

d. 29

65. If $\tan 4\theta = \cot (40^\circ - 2\theta)$, then θ is equal to: (+2, -0.5)

a. 35°

b. 20°

c. 25°

d. 30°

66. Two articles are sold for Rs. 4,956 each. On one, the seller gains 18% and on the other he loses 16%. What is his overall gain or loss percent to nearest one decimal place? (+2, -0.5)

a. 1.9% gain

b. 2.1% loss

c. 2.1% gain

d. 1.9% loss

67. **Directions:** The following table shows the percentage distribution of students in various disciplines from five different colleges. (+2, -0.5)

Disciplines	Colleges				
	A	B	C	D	E
Science	25	35	45	28	35
Economics	35	40	20	42	25
Mathematics	40	25	35	30	40
Total students	8,000	10,000	15,000	9,000	11,000

What is the percentage of students from the discipline of Mathematics for colleges A and C taken together, (nearest to one decimal place)?

- a. 37.2
- b. 37.5
- c. 36.7
- d. 36.9

68. In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 28^\circ$, then $\angle CAD$ is equal to: (+2, -0.5)

- a. 34
- b. 24

c. 48

d. 36

69. The radii of the two circular faces of the frustum of a cone of height 21 cm are 5 cm and 3 cm. What is its volume in cm^3 ? ($\pi = 22/7$) (+2, -0.5)

a. 1058

b. 1078

c. 1025

d. 1020

70. If $a : b = 2 : 3$, then $(5a - 2b) : (5a + 2b)$ is equal to: (+2, -0.5)

a. 3 : 7

b. 1 : 3

c. 1 : 4

d. 2 : 7

71. An article is sold for Rs. 547.40 after successive discounts of 30% and 15%. What is the marked price of the article? (+2, -0.5)

a. Rs. 920

b. Rs. 900

c. Rs. 960

d. Rs. 940

72. If $a + b + c = 6$ and $ab + bc + ca = 5$, then $a^3 + b^3 + c^3 - 3abc$ is equal to: (+2, -0.5)

a. 126

b. 98

c. 108

d. 116

73. The value of $\sin 44^\circ / \cos 46^\circ + \sin^2 60^\circ - \cos^2 45^\circ + \sec 60^\circ$ is equal to: (+2, -0.5)

a. $11/4$

b. $11/3$

c. $13/4$

d. $7/4$

74. In a class of 60 students, 40% are girls. The average weight of the boys is 62 kg and that of the girls is 55 kg. What is the average weight of the whole class? (+2, -0.5)

a. 59.2 kg

b. 58.6 kg

c. 59 kg

d. 58.8 kg

75. The value of $3.8 + (8.2 \div 4.1 \times 2) - 4 \times 3 \div 1.2$

(+2, -0.5)

- a. 2.2
- b. 1.2
- c. -2.2
- d. -1.2

Prepp

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English Comprehension

76. Select the most appropriate option to fill in the blank. (+2, -0.5)

I sat _ _ _ _ _ my life as nothing seemed to be working for me.

- a. cursing
- b. invoking
- c. blessing
- d. tormenting

77. Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement. (+2, -0.5)

Ishwar Chand Vidyasagar use the ancient text to suggestion that widows could remarry.

- a. used the ancient texts suggests
- b. No improvement
- c. used the ancient texts to suggest
- d. use the ancient texts for suggestion

78. Select the most appropriate synonym of the given word. (+2, -0.5)

DEVOUT

- a. revered
- b. respectable

c. pious

d. loyal

79. Select the most appropriate synonym of the given word.

(+2, -0.5)

RENOWN

a. obscurity

b. wisdom

c. conceit

d. fame

80. **Direction:** In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

(+2, -0.5)

English is not a language that (1) _____ in India. But it is used extensively in (2) _____ country. India comes second in the list of countries (3) _____ most English speakers, albeit not as the first language. English is more (4) _____ than any single Indian language! It has managed to (5) _____ the entire world.

Select the most appropriate option to fill in blank No.(5)

a. pervade

b. persuade

c. invade

d. saturate

81. Select the most appropriate antonym of the given word.

(+2, -0.5)

ASCENT

- a. depression
- b. descent
- c. decent
- d. distant

82. Select the most appropriate meaning of the underlined idiom in the given sentence.

(+2, -0.5)

The man heaved a sigh of relief when he was sure he was out of the woods.

- a. out of the forest
- b. discharged from hospital
- c. out of danger
- d. released from prison

83. **Direction:** In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

(+2, -0.5)

English is not a language that (1) _____ in India. But it is used extensively in (2) _____ country. India comes second in the list of countries (3) _____ most English speakers, albeit not as the first language. English is more (4) _____ than any single Indian language! It has managed to (5) _____ the entire world.

Select the most appropriate option to fill in blank No.(4)

- a. prevalent
- b. frequented
- c. extended
- d. comprehensive

84. Given below are four jumbled sentences. Select the option that gives their correct order. (+2, -0.5)

- A. Lyrics help in creating a distinctive narrative, some conventions of which have been carried over from the talkies era.
- B. Thus, songs have outlived films in people's memories.
- C. However, songs seem to have acquired a musical grammar of their own, establishing an emotional chord with the listeners.
- D. In popular Indian cinema, lyrics are to music what the heart is to the body.

- a. ABCD
- b. DACB
- c. DCBA
- d. ADBC

85. Select the correctly spelt word. (+2, -0.5)

- a. exilerate

- b. exilarate
- c. exhilerate
- d. exhilarate

86. Select the most appropriate meaning of the underlined idiom in the given sentence. (+2, -0.5)

Many people join politics to feather their own nest.

- a. promote their own interest
- b. make others' life comfortable
- c. serve their country
- d. utilize black money

87. Select the word which means the same as the group of words given. (+2, -0.5)

A state of perfect balance

- a. Equinox
- b. Equivalent
- c. Equilateral
- d. Equilibrium

88. Select the correctly spelt word. (+2, -0.5)

- a. propotion

- b. proportion
 - c. preportion
 - d. proporsion
-

89. Select the word which means the same as the group of words given. (+2, -0.5)

One who walks in sleep

- a. Philanthropist
 - b. Omnipotent
 - c. Pedestrian
 - d. somnambulist
-

90. In the sentence identify the segment which contains the grammatical error. (+2, -0.5)

Not complying by any of the laws can land you into serious trouble.

- a. can land you
 - b. Not complying by
 - c. into serious trouble
 - d. any of the laws
-

91. In the sentence identify the segment which contains the grammatical error. (+2, -0.5)

Raja Ravi Varma was one of the first artist who tried to create a style that was both modern and traditional.

- a. both modern and traditional.
 - b. to create a style that was
 - c. one of the first artist
 - d. Raja Ravi Varma was
-

92. Select the most appropriate option to fill in the blank. (+2, -0.5)

The roads at 15000 feet are not easily navigable and the air is _ _ _ _ _ and freezing.

- a. intensified
 - b. elevated
 - c. rarefied
 - d. exalted
-

93. Select the correct passive form of the given sentence. (+2, -0.5)

Credit cards are replacing cash transactions.

- a. Cash transactions are replaced by credit cards.
 - b. Cash transactions have been replaced by credit cards.
 - c. Cash transactions are being replaced by credit cards.
 - d. Cash transactions had been replaced by credit cards.
-

94. **Direction:** In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. (+2, -0.5)

English is not a language that (1) _____ in India. But it is used extensively in (2) _____ country. India comes second in the list of countries (3) _____ most English speakers, albeit not as the first language. English is more (4) _____ than any single Indian language! It has managed to (5) _____ the entire world.

Select the most appropriate option to fill in blank No.(2)

- a. the
- b. an
- c. one
- d. a

95. Select the most appropriate antonym of the given word. (+2, -0.5)

FOREIGN

- a. Native
- b. Indian
- c. Rural
- d. Rustic

96. Select the correct active form of the given sentence. (+2, -0.5)

We were given very little time to prepare the presentation.

- a. They have given us very little time to prepare the presentation.
- b. They give us very little time to prepare the presentation.
- c. They will give us very little time to prepare the presentation.
- d. They gave us very little time to prepare the presentation.

97. Given below are four jumbled sentences. Select the option that gives their correct order. (+2, -0.5)

- A. So, I had thoughts of setting up an Indian restaurant there with my wife's support.
- B. It took us two months to redesign the place to suit our needs.
- C. One of the things I really missed when I set up home in Maryland, was a restaurant that served authentic Indian food.
- D. I decided to pursue this idea seriously and bought an old building in the downtown.

- a. DACB
- b. BCDA
- c. CBAD
- d. CADB

98. Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement. (+2, -0.5)

I have not saw him since I last leave town.

- a. seen him since I last left

- b. No improvement
- c. seen him for I last left
- d. see him since I last left

99. **Direction:** In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. (+2, -0.5)

English is not a language that (1) _____ in India. But it is used extensively in (2) _____ country. India comes second in the list of countries (3) _____ most English speakers, albeit not as the first language. English is more (4) _____ than any single Indian language! It has managed to (5) _____ the entire world.

Select the most appropriate option to fill in blank No.(3)

- a. among
- b. with
- c. by
- d. from

100. **Direction:** In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. (+2, -0.5)

English is not a language that (1) _____ in India. But it is used extensively in (2) _____ country. India comes second in the list of countries (3) _____ most English speakers, albeit not as the first language. English is more (4) _____ than any single Indian language! It has managed to (5) _____ the entire world.

Select the most appropriate option to fill in blank No.(1)

- a. originated
- b. derived
- c. developed
- d. created

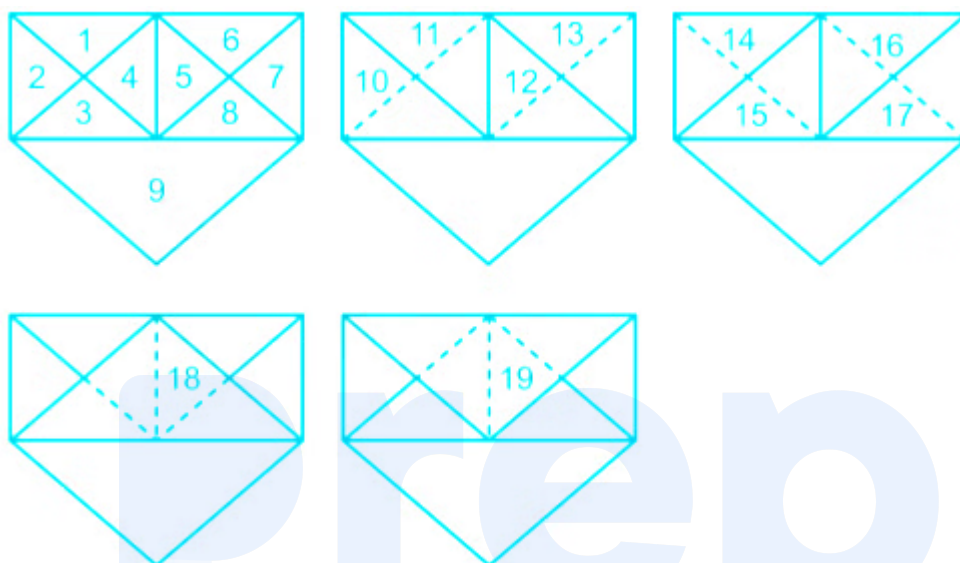
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Your Personal Exams Guide

Answers

1. Answer: d

Explanation:



Hence, the number of total triangles is 19.

2. Answer: c

Explanation:

Words Examine, explore, inquire are synonyms to each other.

While deliberate means done consciously and intentionally.

Hence deliberate is the odd among the given words.

3. Answer: c

Explanation:

Let Arman's current age is = X

Vishal's current age = $70 - X$

Arman's age 5 years ago = $X - 5$

Vishal's age 5 years ago = $70 - X - 5 = 65 - X$

According to condition given is question

$$2(X - 5) = 65 - X$$

$$2X - 10 = 65 - X$$

$$3X = 75$$

$$X = 25$$

Hence, Arman's current age is 25 years.

4. Answer: c

Explanation:

Pattern followed is:

$$X - 6 = R$$

$$R - 5 = M$$

$$M - 4 = I$$

$$I - 3 = F$$

$$F - 2 = D$$

$$D - 1 = C$$

Hence, M is the answer.

5. Answer: d

Explanation:

Interchanging + and -

$$4 \times 5 + 24 \div 12 - 8 = 20 + 2 - 8$$

$$22 - 8 = 14$$

Interchanging $\div$ and $\times$

$$4 \div 5 - 24 \times 12 + 8 = \frac{4}{5} - 288 + 8$$

$$\frac{4}{5} - 296 \neq 14$$

Interchanging $\times$ and +

$$4 + 5 - 24 \div 12 \times 8 = 9 - 2 \times 8$$

$$9 - 16 \neq 14$$

Interchanging + and $\div$

$$4 \times 5 - 24 + 12 \div 8 = 20 - 24 + \frac{3}{2}$$

$$-4 + \frac{3}{2} \neq 14$$

Hence by interchanging + and - we get correct equation.

6. Answer: d

Explanation:

Pattern followed is:

$$9^2 - 6^2 = 81 - 36 = 45$$

$$11^2 - 8^2 = 121 - 64 = 57$$

Similarly

$$8^2 - 3^2 = 64 - 9 = 55$$

Hence, the answer is 55.

7. Answer: a

Explanation:

Pattern followed is:

$$5^2 - 1 = 24$$

$$13^2 + 1 = 170$$

$$7^2 - 1 = 48$$

$$11^2 - 1 = 120$$

Hence, 13 : 170 is the different from the rest.

8. Answer: c

Explanation:

V + S means V is the sister of S

S × Q means S is the mother of Q

Q - P means Q is the brother of P

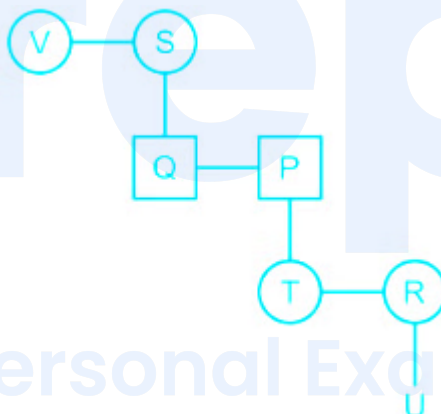
P ÷ T means P is the father of T

T + R means T is the sister of R

$R \times U$ means R is the mother of U

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

Tree diagram:



By looking at family tree diagram we know that R is the granddaughter of S.

9. Answer: a

Explanation:

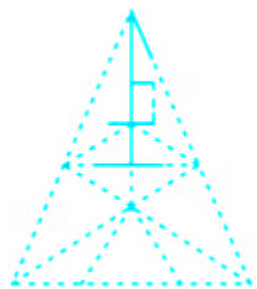
Sequence followed is:

Idea - writing - book - seller - reader - feedback

Hence answer is 4, 1, 2, 3, 6, 5.

10. Answer: a

Explanation:



Hence, option 1) is the correct answer.

11. Answer: a

Explanation:

In given diagrams we can see that 1, 4, 2, 5 are adjacent to 3 hence 6 will be on opposite face of 3.

12. Answer: b

Explanation:

Pattern followed is:

Clock Room is place where we can keep Suitcase.

Similarly,

Bank is a place where we can keep **Money**.

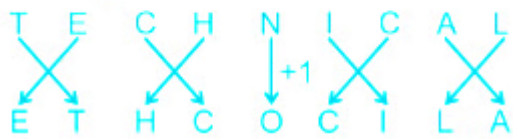
13. Answer: a

Explanation:

Pattern followed is:



Similarly



Hence, ETHCOCILA is the answer.

14. Answer: a

Explanation:

Political Science is a part of Social Science

Similarly, Chemistry is a part of Science.

Hence, Science is the correct answer.

15. Answer: a

Explanation:

Pattern followed is:

$$J + 1 = K, K + 3 = N, N + 4 = R, R + 4 = V$$

$$G + 1 = H, H + 3 = K, K + 4 = O, O + 5 = T$$

$P + 1 = Q, Q + 3 = T, T + 4 = X, X + 5 = C$

$U + 1 = V, V + 3 = Y, Y + 4 = C, C + 5 = H$

Hence JKNRV is the odd among the given letters.

16. Answer: d

Explanation:

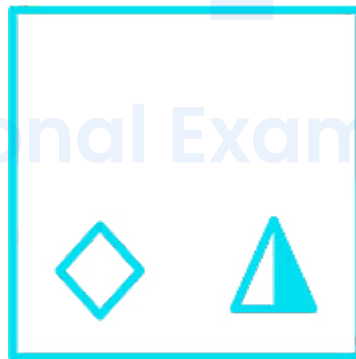
Pattern followed is:

Rectangle and triangle are moved by 1 place in clockwise direction after 1st image.

After 2nd image they both are moved by 2 place in clockwise direction

After 3rd image they are moved by 3 places in clockwise direction

After 4th image they are moved by 4 places in clockwise direction and hence rectangle and triangle both come to original positions.



Is final position after 4th image.

Hence, option 4) is the correct answer.

17. Answer: d

Explanation:

Pattern followed is:

$$115 + 9 = 124$$

$$124 + 10 = 134$$

$$134 + 11 = 145$$

$$145 + 12 = 157$$

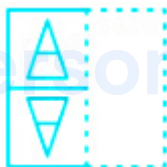
$$157 + 13 = 170$$

Hence 124 is answer.

18. Answer: b

Explanation:

If we fold the transparent sheet of paper from dotted line:



Hence, option 2) is the correct answer.

19. Answer: c

Explanation:



Hence, the correct answer is option 3).

20. Answer: d

Explanation:

The pattern followed in each column :

$$15 - 11 = 4^2 = 16$$

$$23 - 17 = 6^2 = 36$$

Similarly,

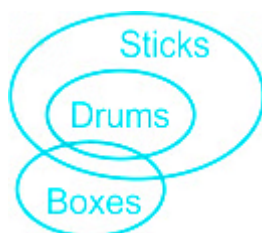
$$10 - 8 = 2^2 = 4$$

Hence, the correct answer is 10.

21. Answer: d

Explanation:

Venn diagram:



Conclusions:

I. Some boxes are sticks $\rightarrow$ True.

II. Some sticks are drums $\rightarrow$ True.

III. All sticks are drums $\rightarrow$ False (It is possible but not definite).

Hence, only conclusions I and II follow.

22. Answer: b

Explanation:

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

Pattern followed is:

Y = 25, O = 15, G = 7, H = 8, U = 21, R = 18, T = 20

YOGHURT = 251578211820

Similarly,

D = 4, E = 5, V = 22, E = 5, L = 12, O = 15, P = 16.

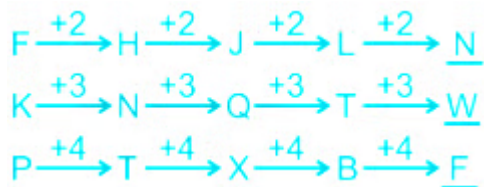
DEVELOP = 45225121516

Hence, the correct answer is 45225121516.

23. Answer: b

Explanation:

Pattern followed is:



Hence NWF is the answer.

24. Answer: a

Explanation:

Pattern followed is:

Second number = First number $\times$ (First number + 1)

$$9 \times 10 = 90$$

Similarly

$$12 \times 13 = 156$$

Hence 156 is the correct answer.

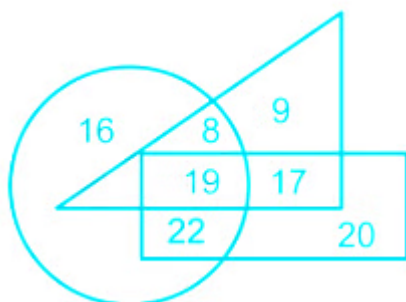
25. Answer: b

Explanation:

The circle represents 'businessmen',

The triangle represents 'Landlords' and

The rectangle represents 'income taxpayers'



We choose intersection of circle and rectangle outside of triangle.

Hence, the correct answer is 22.

26. Answer: a

Explanation:

- Gujrat has the longest mainland coastline in India having a length of 1214.7 Km.
- India has a land boundary of about 15,200 km whereas the total length of the **coastline of the mainland**, including Andaman and Nicobar and Lakshadweep, is 7,516.6 km, of this the mainland coastline length is 5422.6 kilometers whereas Island territories coastline length is 2094 kilometers.
- The States/UTs having coastlines are Gujarat, Maharashtra, Goa, Daman and Diu, Karnataka, Kerala, Tamil Nadu, Puducherry, Andhra Pradesh, Odisha, and West Bengal. Island territories having coastlines are – Andaman & Nicobar Islands and Lakshadweep Islands.
- **Andhra Pradesh** has the second-longest mainland coastline with a total length of 974 kilometers and with 906.9 kilometer-long coastline, **Tamil Nadu** is the third biggest mainland coastline state.

★ Additional Information

- The Important ports of Gujarat are – Alang, Kandla, Mandavi, Okha, Porbandar, Veraval, Jafarabad, Pipavav, Bhavnagar, Dahej, Magadalla, Hazira, Mandvi (Surat), Mundra and Maroli.
- Among them, **Kandla** is the Major port in Gujarat which is also the **largest port of India**, when measured by the volume of cargo handled.

- The **Jawaharlal Nehru Port** in Mumbai is the largest container port in India handling around half of the containers of all major ports and is also known by the name Nhava Sheva.
-

27. Answer: b

Explanation:

- The Dolphin kick is associated with the Swimming.
- The Dolphin kick technique is used by professional swimmers, they use that motion that propels them forward underwater after diving in, and at the underwater turns.
- This technique is not just about the legs but It requires a swimmer's entire body to crack like a whip, creating a fluid wave that starts at the chest and increases in amplitude as it travels all the way through the toes, and it seems like a dolphin that's why it is called **Dolphin kick**.
- The Dolphin Kick is assumed as the fastest way to get from one point to another underwater but it needs a lot of practice as it is a very difficult move.

Extra Information :

- The international rules for swimming disciplines are laid down by Federation Internationale de Natation (International Swimming Federation) FINA.
 - There are four standard strokes in swimming a front crawl, backstroke, breaststroke, and butterfly.
-

28. Answer: d

Explanation:

- Litmus paper test is done to find whether a solution is Acidic or Basic in nature.
- Litmus paper is a type of pH paper made by treating paper with natural dyes from lichens.

- The blue litmus paper turns red or pink when it comes into contact with an acidic solution of pH value below pH 4.5
- It becomes purple if the pH of the solution is between 4.5 and 8.3 and if the pH is above 8.3 it stays blue.
- The solution which is Basic in nature having a pH range between 8.5 and 14 changes the colour of red litmus paper to blue.

29. Answer: b

Explanation:

- The 2019 Swiss Open badminton tournament officially known as the YONEX Swiss Open 2019 was held in March 2019 in St. Jakobshalle, Munchenstein, Switzerland.
- The Swiss Open badminton tournament is an annual badminton tournament held in Switzerland since 1955.
- Indian badminton player Sai Praneeth was runner-up at the 2019 Swiss Open tournament.
- **Shi yuqi** won the men's singles and **Chen Yufei** was the winner of the women's singles in this tournament.

30. Answer: a

Explanation:

- Kalsubai Shikhar is the highest mountain peak in Maharashtra.
- It is also called Everest of Maharashtra having an elevation of 5400 feet (1636 m).
- The mountain range and peak lies inside the Kalsubai Harishchandragad sanctuary, situated at an elevation of 5400 feet.
- **Salher** is the second highest peak in Maharashtra at an elevation of 5,141 feet after the Kalsubai peak. It is also the site of the highest fort in Maharashtra, situated in the Sahyadri mountains in Nasik.

- **Anjaneri** is one of the beautiful attractions in the Nasik city and an important fort in the Trimbakeshwar region. It is the birthplace of Lord Hanuman and also home to 108 Jain caves.
 - **Taramati** peak is also one of the highest peaks in Maharashtra, it is one of two peaks on Harishchandragad and offers a great trekking experience in the state.
-

31. Answer: c

Explanation:

- Dashain is the biggest festival of Nepal which is also celebrated in several parts of India.
- It is mainly celebrated for two weeks with prayers and offerings to Durga, the Universal Mother Goddess.
- The famous festival **Fulpati** is also celebrated during these days. It is observed on the 7th day of the Dashain festival.

Extra Information :

- Nepal is a landlocked country whose capital is Kathmandu and currency is Nepalese rupee (NPR).
 - Bidhya Devi Bhandari is the current president and Sher Bahadur Deuba is the current prime minister of Nepal (2022)
 - The world's tallest mountain Mount Everest is located in Nepal. Its height is 8,848 metres (29,029 ft).
 - Recently Kajin Sara lake is discovered in Singarkharka area of Chame in Manang district of Nepal.
 - Surya Kiran is a joint military exercise between India and Nepal.
-

32. Answer: d

Explanation:

- The Lok Sabha or House of the People is the lower house of India's bicameral Parliament with a maximum strength of 545 members who represent the people of India.
- **The lower house of a parliament or Lok sabha is called a Popular Chamber** because it is composed of representatives of the people chosen by direct election on the basis of universal adult suffrage.
- **Universal Adult Suffrage** means all the adult citizens of a country have the right to vote without any discrimination of class, caste, colour, religion, and gender.
- The Lok Sabha is elected for a period of five years.

Extra Information :

- Lok Sabha is **not permanent chamber** and it is also known as ' **temporary house** '.
- **Om Birla** is the current speaker of the Lok Sabha (2019).
- The age of voting is different in different countries, In Denmark and Japan one can vote after attaining the age of 25 years while in Norway, the age limit is 23 and in Britain, the United States, Russia, and Turkey it is 18.
- The **61st Amendment Act** lowered the voting age from 21 to 18 years in India.

33. Answer: d

Explanation:

- **The famous Indian filmmaker Yash Chopra was given the honorary title of 'Ambassador of Interlaken' in 2011 in Switzerland.**
- **Interlaken** is a small town in mountainous Bernese Oberland region of central Switzerland.
- A 250 kg bronze statue was made in the year 2016 in Kursaal garden in Interlaken, Switzerland by the government of Switzerland for his work in the cinema industry and boosting the popularity of alpine nation among Indian tourist. This statue is a replica of the one in Chopra's film studio in Mumbai.
- Yash raj Chopra was a famous film director and producer of the Indian film industry who is also known as the 'king of the romance' of Indian cinema.

- He was honored with **Dada Sahib Phalke** (2001) and **Padam Bhushan** (2005) by the government of India.
- **Bern** is the capital and **Swiss franc** is the currency of Switzerland.

34. Answer: a

Explanation:

- Ravi Shastri was the first Indian batsman to hit six consecutive sixes in first-class cricket.
- He scored six sixes in an over against left-arm spinner Tilak Raj in the year 1984 in a Ranji Trophy match between Bombay and Baroda.
- Ravi Shastri also scored the fastest ever double century in first-class cricket history in the same match.
- Before Ravi Shastri **Garfield Sobers** an all-rounder player of West Indies was the first batsman to smash 6 sixes in a single over in first-class cricket.

35. Answer: a

Explanation:

- 20th March has been established as the annual 'International Day of Happiness'.
- The International Day of Happiness is celebrated worldwide on 20th of March every year to recognize happiness as a “fundamental human goal” and call for “a more inclusive, equitable and balanced approach to economic growth that promotes the happiness and well-being of all peoples.
- The Idea of this day was given by Philonthipist, activist and prominent United Nations special advisor **Jayme Illien** to inspire, mobilize, and advance the global happiness movement.
- The first International Day of Happiness was celebrated on 20 March 2013.
- The theme for the 2019 International Day of Happiness was " **Happier Together**"

36. Answer: a

Explanation:

The correct answer is Sodium carbonate

★ Key Points

- Sodium carbonate (Na_2CO_3), also known as soda ash is a sodium product primarily used to make detergents and soaps.
- Sodium carbonate (Na_2CO_3) is an inorganic compound found in large natural deposits and mines. Its common name is washing soda and it is manufactured by the **Solvay-ammonia process**.

★ Additional Information

- Detergents are generally ammonium or sulphonate salts of long-chain carboxylic acids. They have almost the same properties as soaps but they are more effective in hard water.
- Amine Oxide, Carboxymethyl Cellulose (CMC), Citric Acid, Cyclodextrin, Alcohol Ethoxylate (AE) Non-ionic surfactant, Alkyl (or Alcohol) Ethoxy Sulphate (AES) and Alkyl Sulphate (AS) Anionic surfactant are some other chemicals present in detergents.
- Detergents with the straight chain of hydrocarbons are preferred over the branched chain as the latter are non-biodegradable and consequently cause environmental pollution.

Name	Chemical Formula
Calcium carbonate	CaCO_3
Hydrochloric acid	HCl
Sodium alkyl sulphate	$\text{C}_n\text{H}_{2n+1}\text{OSO}_2\text{ONa}$

37. Answer: c

Explanation:

- The Battles of Kohima and Imphal were fought between 8 March and 18 July 1944.
- In 1944, during the rise of the Second World War, the Japanese forces attacked the northeast region of India through Burma. They attacked Imphal first and then they move towards Kohima the capital city of Nagaland.
- The British and Indian forces fought valiantly and prevented the ambitious plans of Japan, resulting in the fiercest battles of Kohima and Imphal.

Extra Information :

- World War II was a global war that lasted from 1939 to 1945.
- World War II was fought between two groups of countries one side was Germany with Italy and Japan and opposite side were Britain, France, Australia, Canada, New Zealand, India, the Soviet Union, China and the United States of America.
- World War II was started due to the invasion of Germany on Poland on September 1, 1939, then Britain and France responded to the Germany move and they declared war on Germany on September 3.
- The Battle of Stalingrad was the most important battle of World war II it was the bloodiest battle in history as it caused about two million casualties.

38. Answer: a

Explanation:

The correct answer is option 1, i.e. Equilibrium price will fall.

★ Key Points

- A decrease in demand and an increase in supply will cause a fall in Equilibrium price.
- **Equilibrium** is a state of no change and clearly, at the equilibrium price, both buyers and sellers are in a state of no change.
- Technically, at the equilibrium price, the quantity demanded by the buyers is equal to the quantity supplied by the sellers.
- The equilibrium price is determined by the market forces of demand and supply in a perfectly competitive market.
- **Market Demand** is the sum total of demand for a commodity by all the buyers in the market whereas **Market Supply** is the sum total of supplies of a commodity by all the firms in the market.

39. Answer: d

Explanation:

- Article 153 in the Constitution of India provides that there shall be a Governor for each State.
- The 7th Constitutional Amendment Act of 1956 facilitated the appointment of the same person as governor for two or more states.
- Governor is the chief executive head of the state but like the president, he is the nominal head (titular or constitutional head)

Article	Subject - matter
151	Audit Reports
152	Definition (the expression "State" does not include the State of Jammu and Kashmir)
154	The executive power of the State

40. Answer: a

Explanation:

- The Third Anglo-Maratha War ended in 1818 with the surrender of the Marathas to the British.
- The Third Anglo-Maratha War took place in Maharashtra and its neighboring areas in 1817 and 1818.
- The main reason for the Third Anglo-Maratha war was British conflict with the **Pindaris** whom the British suspected were being protected by the Marathas.
- The **Treaty of Mandasor** was signed between the British and the Holkar chief in 1818.
- Main reasons for the loss of Marathas were lack of unity among the Maratha chiefs themselves, lack of good relations with other Indian princes and ruling dynasties and failure to understand the British political and diplomatic strengths.

41. Answer: a

Explanation:

- 'India Shastra: Reflections on the Nation in our Time' book is written by well known Indian politician, writer, and a former career international diplomat.
- The government of India changed in 2014 and BJP came to power after winning the 16th Lok Sabha elections. This book was published in the year 2015 and it is basically about the transformation of India's politics, economy, foreign policy, media, civil rights, governance, etc.
- Sashi Tharoor is currently serving as Member of Parliament of Lok Sabha from Thiruvananthapuram, Kerala.
- Inglorious Empire, An Era of Darkness, Why I am a Hindu, and India from midnight to millennium are some other famous books written by Shashi Tharoor.

42. Answer: b

Explanation:

- India was ranked 140th position in a list of 156 nations in the Global Happiness Index 2019.
- The global happiness report was released on March 20, 2019, on World Happiness Day by the United Nations Sustainable Development Solutions Network.
- India fell seven spots in the ranking in 2019 as compared to 2018, India's rank was 132nd in 2018, 122nd in 2017 and 118th in 2016.
- **Finland** topped the index for the second year in a row. Finland is followed by Denmark, Norway, Iceland, and the Netherlands.
- India's neighbors seem to do good with Pakistan (67), China (93), Bhutan (95), Nepal (100), Bangladesh (125) and Sri Lanka (130) all towering above it.

43. Answer: b

Explanation:

★ Important Points

- China is the largest producer of wheat in the world according to FAOSTAT (Food and Agriculture Organization Corporate Statistical Database) with a production of near about 134,340,630 tonnes of wheat.
- India is the second-largest producer of wheat in the world after China with a production of 98,510,000 Tonnes having about 12% share in total world Wheat production.
- Kalyansona, Sonalika, Lerma Rojo, Chhoti Lerma, Arjun, Sujata, etc. are some of the important wheat varieties produced in India.

★ Additional Information

- Wheat is **Rabi** crop and the Rabi cropping season is from October–March (winter) therefore wheat is sown in the months of October – November and harvested in the month of March – April.

- Uttar Pradesh is the largest Wheat producing state of India, followed by Punjab, Haryana and Madhya Pradesh.
- Recently in April 2019, the government has raised import duty on wheat from existing 30% to 40% to support local farmers interest.

44. Answer: d

Explanation:

The correct answer is Ranjit Singh.

★ Key Points

- Sri Harmandir Sahib, also known as Sri Darbar Sahib or Golden Temple is a gurdwara located in the city of **Amritsar, Punjab**, and is a central religious place of the Sikhs, named after Hari(God) the temple of God.
- Sri Harmandir Sahib was built by the fifth Sikh Guru, **Guru Arjan Dev Ji**, and Adi Granth, the holy scripture of Sikhism was installed in Harmandar Sahib in 1604.
- A Muslim saint Hazrat **Mian Mir Ji** laid the foundation of the Sri Harmandir Sahib (Golden Temple), at the request of Guru Arjan Dev Ji.
- The golden beautification of the Harmandir Sahib Gurdwara with 750 kg of gold was done under the aid of Maharaja Ranjit Singh (1801–39).

45. Answer: a

Explanation:

- Nyishi is one of the major ethnic groups and major tribes in the northeastern state of Arunachal Pradesh.
- It is also known by the name **Bangni** and **Dafila** in some areas of Arunachal Pradesh.
- The people belonging to the Nyishi tribe are also found in eastern Bhutan and they speak Tibeto-Burman language of the Sino-Tibetan family. They support

themselves with slash-and-burn agriculture and with hunting and fishing.

- Adis, Buguns, Hrusso, Singphos, Mishmis, Sherdukpens, Tagins, Wanchos, Noctes, and Khambas and Membas are other major tribes of the Arunachal Pradesh.

46. Answer: d

Explanation:

- **Marsupials** are the mammal of an order whose members are born incompletely developed and are typically carried and suckled in a pouch on the mother's belly.
- The distinctive characteristic of 'Marsupials' is that they carry their young ones in pouches.
- They take their name Marsupials from the word 'Marsupium' means pouch which protects eggs, offspring, or reproductive structures.
- The main examples of Marsupials animals are kangaroos, wallabies, koalas, possums, opossums, wombats, and Tasmanian devils.

47. Answer: a

Explanation:

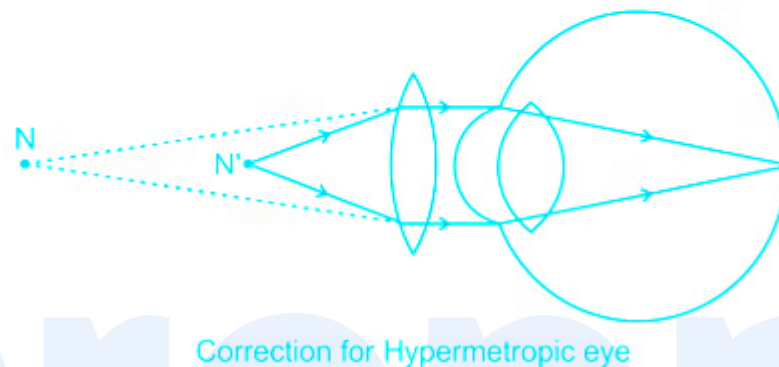
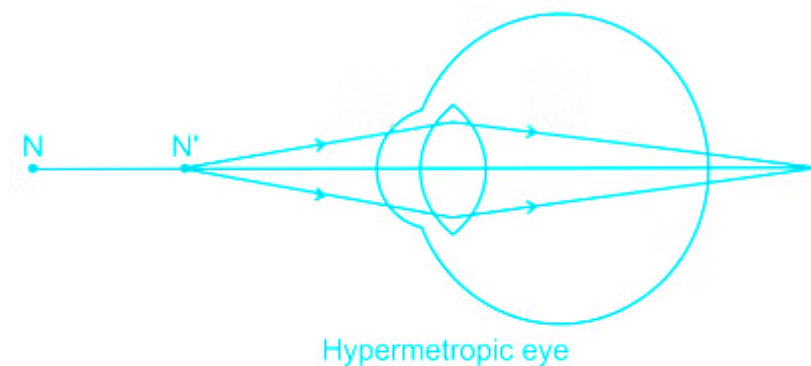
Concept:

Defects of Vision	Details	Corrections
Hypermetropia or Farsightedness	The human eye can see distant objects clearly but cannot see nearby objects clearly .	Convex Lens
Presbyopia	In this defect both near and far objects are not clearly visible . It is an old age disease and it is due to the losing power of accommodation .	Bifocal lenses
Astigmatism	In this defect, the eye cannot see horizontal and vertical lines clearly, simultaneously . It is due to the imperfect spherical nature of the eye lens .	Cylindrical lens

Explanation:

From the above explanation, we can see that,

- A person with hypermetropia can see distant objects clearly but cannot see nearby objects distinctly.
- Hypermetropia is also known as **farsightedness**. Such a person has to keep a reading material much beyond 25 cm from the eye for comfortable reading.
- Hypermetropia defect can arise mainly due to two reasons (i) the focal length of the eye lens become too long or (ii) the eyeball becomes too small.
- This defect can be corrected by using a **convex lens of appropriate power**.



- A concave lens is used for the correction of Myopia which is also known as near-sightedness.
- The bifocal lens can be used for the correction of Presbyopia (a person suffering from both myopia and hypermetropia).
- Progressive lenses also called multifocal lenses are the lenses that have a seamless progression of added magnifying power for intermediate and near vision.

48. Answer: c

Explanation:

The correct answer is Option 3 i.e. Fiscal Deficit.

- **Fiscal Deficit** is the sum of **revenue and capital expenditure minus(-) all revenue and capital received other than the loan is taken**. A substantial increase in **capital expenditure or revenue deficit** leads to **Fiscal Deficit**
- **Fiscal Deficit = Revenue Received + Capital Received - Total Expenditure**
- **Revenue Deficit = Revenue Expenditure - Revenue Received**

- The **Primary deficit** is defined as the fiscal deficit of current year minus interest payments on previous borrowings.
- **Primary Deficit = fiscal Deficit – Interest Payment.**
- **Budgetary deficit** is the sum of deficits of revenue account and the capital account.

49. Answer: c

Explanation:

- Phloem is a vascular tissue through which the food prepared by the leaves is transported to various organs of the plants.
- Phloem is a composition of four types of cells Sieve tubes, Companion cells, Phloem parenchyma, and phloem fibers.
- **Xylem** is a water-conducting tissue of vascular plants which consists of dead hollow cells in the form of fibers and sclereids.
- **Parenchyma** are the simple permanent tissues whose cells are usually isodiametric but in various organs, due to pressure and surface tension of the neighborhood cells, their shapes sometimes change. These tissues store the foodstuffs and the parts of the leaf mesophyll, endosperms, fruit pulp etc are made from the parenchyma.
- **Sclerenchyma** are also the simple permanent tissues which are scattered in the organs of the plants to provide mechanical support and rigidity to the plant organs.

★ Important Points

Difference between Phloem and Xylem:-

Characteristic	Xylem	Phloem
Conduction	Water and minerals from root to body parts	Prepared Food from leaves to body parts
Strength	Provides mechanical strength	Do not provide mechanical strength
Elements live	Xylem parenchyma only	Sieve tubes, companion cell and phloem parenchyma
Conduction direction	Unidirectional	Bidirectional
Conducting channel	Tracheids	Sieve tubes

50. Answer: a

Explanation:

- The **Vaghela dynasty** was an Indian dynasty that ruled Gujarat for a short time period in the 13th century CE.
- The Vaghela's were the last Hindu kings to rule large parts of Gujarat, with capital **Dholka** before the Alauddin Khilji's army conquest of the region.
- In 1304, a second attack by Alauddin's forces defeated Karandev, the last ruler of the Vaghela Dynasty of Gujarat and permanently ended the Vaghela dynasty. This resulted in the annexation of Gujarat to the Delhi Sultanate.

51. Answer: c

Explanation:

Number $91876x2$ is divisible by 72, so we can say number also divisible by both 8 and 9

Divisibility law of 8 $\Rightarrow$ A number divisible by 8 if its last three digit is divisible by 8

Divisibility law of 9 $\Rightarrow$ A number is divisible by 9 if sum of its digit is divisible by 9.

$\Rightarrow 91876x2$ is divisible by 8 and 9 if $x = 3$

52. Answer: a

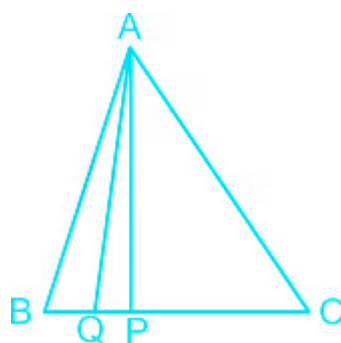
Explanation:

Concept Used:

If the height of two triangles are same then

The Ratio of area = Ratio of their base

Calculation:



Given, $BP : PC = 2 : 3$

Suppose $BP = 2$ unit and $PC = 3$ unit

$BC = BP + PC = 2 + 3 = 5$ unit

If Q is the midpoint of BP, then $BQ = QP$

$$BQ = BP/2 = 2/2 = 1 \text{ unit}$$

$$\text{ar } \triangle ABQ : \text{ar } \triangle ABC = BQ : BC$$

$$\therefore \text{ar } \triangle ABQ : \text{ar } \triangle ABC = 1 : 5$$

★ Confusion Points

This is not a case of similarity

So, Here ratio of area = ratio of base of triangle [As height of triangle is constant]

53. Answer: d

Explanation:



Given, $AB = 10 \text{ cm}$, $AP = 4 \text{ cm}$, $PC = 5 \text{ cm}$

$$\Rightarrow AB = AP + PB$$

$$\Rightarrow 10 = 4 + PB$$

$$\Rightarrow PB = 10 - 4 = 6 \text{ cm}$$

$$\Rightarrow CD = PC + PD$$

As we know,

$$\Rightarrow AP \times PB = PC \times PD$$

$$\Rightarrow 4 \times 6 = 5 \times PD$$

$$\Rightarrow PD = 24/5 = 4.8 \text{ cm}$$

$$\Rightarrow CD = PC + PD = 5 + 4.8 = 9.8 \text{ cm}$$

54. Answer: b

Explanation:

Let the initial price of sugar be $100x$.

$$\text{Price of sugar after increased} = 100x \times [117/100] = 117x$$

Person wants his expenditure increase by 7% only, so his expenditure should be = $100x \times [107/100] = 107x$

$$\text{Required percentage} = [(117 - 107x)/117] \times 100 = 8.54\% \approx 8.5\%$$

55. Answer: c

Explanation:

$$\Rightarrow \cos \theta = \text{base/hypotenuse} = 4/5$$

Using Pythagoras theorem

$$\Rightarrow (\text{Hypotenuse})^2 = (\text{Base})^2 + (\text{Perpendicular})^2$$

$$\Rightarrow 5^2 = (\text{Perpendicular})^2 + 4^2$$

$$\Rightarrow \text{Perpendicular} = \sqrt{(25 - 16)} = 3$$

$$\Rightarrow \sin^2 \theta \cos \theta + \cos^2 \theta \sin \theta$$

$$\Rightarrow (3/5)^2 (4/5) + (4/5)^2 \times (3/5) [\sin \theta = P/H, \cos \theta = B/H \text{ and } \tan \theta = P/B]$$

$$\Rightarrow 9/25 \times 4/5 + 16/25 \times 3/5$$

$$\Rightarrow [36/125] + [48/125]$$

$$\Rightarrow 84/125$$

56. Answer: d

Explanation:

Total students of all five college = $8,000 + 10,000 + 15,000 + 9,000 + 11,000 = 53,000$

Number of students of college E = 11,000

53,000 students represents = 360°

11,000 students will represent = $[360^\circ/53,000] \times 11,000 = 74.7 \approx 75^\circ$

57. Answer: a

Explanation:

Total students from the Economics discipline of college B = $10,000 \times 40/100 = 4,000$

Total students from the science discipline of college C = $15,000 \times 45/100 = 6,750$

Required percentage = $[4,000/6,750] \times 100 = 59.25\% = 59\%$ (approx)

58. Answer: c

Explanation:

As we know,

Difference between the compound interest and simple interest for 2 years formula,

Given, $r = 12\%$, time = 2 years and $P = x$

$$\Rightarrow \frac{Pr^2}{(100)^2} = \text{difference}$$

$$\Rightarrow \frac{(P \times 12 \times 12)}{100 \times 100} = 43.20$$

$$\Rightarrow P = 3,000$$

59. Answer: b

Explanation:

As we know,

$$\Rightarrow (a + b)^3 = a^3 + b^3 + 3ab(a + b)$$

Given, $a + b = 6$ and $ab = 8$

$$\Rightarrow 6^3 = (a^3 + b^3) + 3 \times 8 \times 6$$

$$\Rightarrow (a^3 + b^3) = 216 - 144 = 72$$

60. Answer: b

Explanation:

Given:

A train without stoppage travels with an average speed of 80 km/h and with the stoppage, it travels with an average speed of 64 km/h

Calculation:

Without stoppage average speed = 80 km/h

With stoppages average speed = 64 km/h

As we know,

The time of rest per hour is equal to the difference in average speed divided by the speed without stoppage.

$$\text{Required time} = [(80 - 64)/80] \times 60 = 12$$

Hence, the train stops at an average of 12 minutes/hr.

61. Answer: a

Explanation:

As we know,

$$\Rightarrow (x + 1/x)^2 = x^2 + 1/x^2 + 2$$

$$\text{Given, } \sqrt{x} + 1/\sqrt{x} = 2\sqrt{2}$$

$$\Rightarrow (\sqrt{x} + 1/\sqrt{x})^2 = (\sqrt{x})^2 + (1/\sqrt{x})^2 + 2$$

$$\Rightarrow [2\sqrt{2}]^2 = x + 1/x + 2$$

$$\Rightarrow x + 1/x = 8 - 2 = 6$$

$$\Rightarrow (x + 1/x)^2 = x^2 + (1/x)^2 + 2$$

$$\Rightarrow 6^2 = x^2 + 1/x^2 + 2$$

$$\Rightarrow x^2 + 1/x^2 = 36 - 2 = 34$$

62. Answer: b

Explanation:

Given $\triangle ABC \sim \triangle RPQ$,

$$\Rightarrow PQ = 10 \text{ cm}, QR = 12 \text{ cm}, RP = 16 \text{ cm and } \ar(\Delta PQR)/\ar(\Delta ABC) = 9/4$$

As we know,

$$\Rightarrow (PQ/BC)^2 = \ar(\Delta PQR)/\ar(\Delta ABC)$$

$$\Rightarrow 10^2/BC^2 = 9/4$$

$$\Rightarrow BC^2 = 10^2 \times 4/9$$

$$\Rightarrow BC = 10 \times 2/3 = 20/3 \text{ cm}$$

63. Answer: d

Explanation:

$$\text{Total students from the science discipline of college A} = 8,000 \times 25/100 = 2,000$$

$$\text{Total students from the science discipline of college B} = 10,000 \times 35/100 = 3,500$$

$$\text{Total students from the science discipline of college C} = 15,000 \times 45/100 = 6,750$$

$$\text{Total students from the science discipline of college D} = 9,000 \times 28/100 = 2,520$$

$$\text{Total students from the science discipline of college E} = 11,000 \times 35/100 = 3,850$$

$$\text{Total students from the science discipline of all the colleges} = 2,000 + 3,500 + 6,750 + 2,520 + 3,850 = 18,620$$

$$\text{Required average} = 18,620/5 = 3724$$

64. Answer: c

Explanation:

Let the efficiency of B be 100

Efficiency of A will be = $100 \times [150/100] = 150$

Efficiency of C will be = $100 \times [60/100] = 60$

Efficiency ratio of A, B and C = $150 : 100 : 60 = 15 : 10 : 6$

Total work = $(15 + 10 + 6) \times 20 = 620$

30% of total work = $620 \times [30/100] = 186$

30% of total work C will complete in = $186/6 = 31$ days

65. Answer: c

Explanation:

$$\Rightarrow \tan 4\theta = \cot(40^\circ - 2\theta),$$

$$\Rightarrow \tan 4\theta = \tan[90^\circ - (40^\circ - 2\theta)] \quad [\tan(90^\circ - \theta) = \cot \theta]$$

$$\Rightarrow 4\theta = 90^\circ - 40^\circ + 2\theta$$

$$\Rightarrow \theta = 25^\circ$$

66. Answer: d

Explanation:

SP of each article = Rs. 4,956

CP of the first article = $4,956 \times [100/118] = 4,200$

CP of the second article = $4,956 \times [100/84] = 5,900$

Total SP of both article = $4,956 \times 2 = 9,912$

Total CP of both article = $4,200 + 5,900 = 10,100$

$$\text{Total loss} = 10,100 - 9,912 = 188$$

$$\text{Loss percentage} = \left[\frac{188}{10,100} \right] \times 100 = 1.86\% \approx 1.9\%$$

67. Answer: c

Explanation:

$$\text{Total students from the discipline of Mathematics for college A} = 8,000 \times \frac{40}{100} = 3,200$$

$$\text{Total students from the discipline of Mathematics for college C} = 15,000 \times \frac{35}{100} = 5,250$$

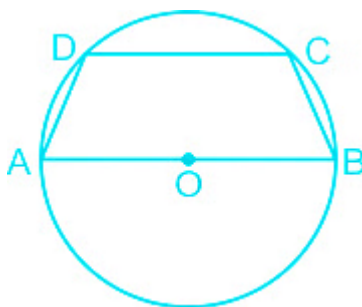
$$\text{Total students from Mathematics discipline of college A and C} = 3,200 + 5,250 = 8,450$$

$$\text{Total students of college A and C} = 8,000 + 15,000 = 23,000$$

$$\text{Required percentage} = \left[\frac{8,450}{23,000} \right] \times 100 = 36.7\%$$

68. Answer: a

Explanation:



$$\text{Given, } \angle BAC = 28^\circ$$

$$\Rightarrow \angle ACB = 90^\circ \text{ [Angle in a semicircle is } 90^\circ]$$

In $\triangle ACB$

$$\Rightarrow \angle ACB + \angle CBA + \angle BAC = 180^\circ$$

$$\Rightarrow \angle CBA = 180^\circ - 90^\circ - 28^\circ = 62^\circ$$

$$\Rightarrow \angle DCA = \angle CAB = 28^\circ \text{ [Alternate interior angle]}$$

$$\Rightarrow \angle DCA = \angle ABD = 28^\circ \text{ and } \angle CAD = \angle DBC$$

$\therefore$ Two inscribed angles forming the same arc or forming two equal arcs are equal

$$\Rightarrow \angle CBA = \angle DBC + \angle ABD$$

$$\Rightarrow 62^\circ = \angle DBC + 28^\circ$$

$$\Rightarrow \angle DBC = 62^\circ - 28^\circ = 34^\circ$$

$$\Rightarrow \angle CAD = \angle DBC = 34^\circ$$

69. Answer: b

Explanation:

Radii of two circular faces of the frustum of a cone are 5 cm and 3 cm

Height of the circular frustum of cone $H = 21$ cm

As we know,

$$\text{Volume of the frustum of cone} = \frac{1}{3} \times \pi [R^2 + r^2 + Rr] H$$

$$\Rightarrow \frac{1}{3} \times \frac{22}{7} \times [5^2 + 3^2 + 5 \times 3] \times 21$$

$$\Rightarrow 22 \times [25 + 9 + 15]$$

$$\Rightarrow 22 \times 49$$

$$\Rightarrow 1078$$

70. Answer: c

Explanation:

$$\Rightarrow a : b = 2 : 3$$

Suppose $a = 2$ and $b = 3$

$$\Rightarrow (5a - 2b) : (5a + 2b)$$

$$\Rightarrow (5 \times 2 - 2 \times 3) : (5 \times 2 + 2 \times 3)$$

$$\Rightarrow (10 - 6) : (10 + 6)$$

$$\Rightarrow 4 : 16 = 1 : 4$$

71. Answer: a

Explanation:

Let the MP of the article be Rs. x

According to the question

$$\Rightarrow x \times [70/100] \times [85/100] = 547.40$$

$$\Rightarrow x = 920$$

MP of the article = Rs. 920

72. Answer: a

Explanation:

Given, $a + b + c = 6$ and $ab + bc + ca = 5$

As we know,

$$\Rightarrow a^3 + b^3 + c^3 - 3abc = (a + b + c) [(a + b + c)^2 - 3(ab + bc + ca)]$$

$$\Rightarrow 6 [6^2 - 3 \times 5]$$

$$\Rightarrow 6 (36 - 15)$$

$$\Rightarrow 6 \times 21$$

$$\Rightarrow 126$$

73. Answer: c

Explanation:

$$\Rightarrow \sin 44^\circ / \cos 46^\circ + \sin^2 60^\circ - \cos^2 45^\circ + \sec 60^\circ$$

$$\Rightarrow [\sin 44^\circ / \cos(90^\circ - 44^\circ)] + (\sqrt{3}/2)^2 - (1/\sqrt{2})^2 + 2$$

$$\Rightarrow [\sin 44^\circ / \sin 44^\circ] + 3/4 - 1/2 + 2 [\because \cos(90^\circ - \theta) = \sin \theta]$$

$$\Rightarrow 1 + 3/4 - 1/2 + 2$$

$$\Rightarrow (4 + 3 - 2 + 8)/4$$

$$\Rightarrow 13/4$$

74. Answer: a

Explanation:

$$\text{Number of girls in class} = 60 \times 40/100 = 24$$

$$\text{Number of boys in class} = 60 - 24 = 36$$

$$\text{Average weight of girls is} = 55$$

Sum of weight of girls is = $55 \times 24 = 1320$

Average weight of boys is = 62

Sum of weight of boys is = $62 \times 36 = 2232$

Total sum of weight of all class = $1320 + 2232 = 3552$

Average weight of whole class = $3552/60 = 59.2$ kg

75. Answer: c

Explanation:

Follow BODMAS rule to solve this question, as per the order given below :

Step-1: Parts of an equation enclosed in 'Brackets' must be solved first, and in the bracket,

Step-2: Any mathematical 'Of' or 'Exponent' must be solved next,

Step-3: Next, the parts of the equation that contain 'Division' and 'Multiplication' are calculated,

Step-4: Last but not least, the parts of the equation that contain 'Addition' and 'Subtraction' should be calculated.

$$\Rightarrow 3.8 + (8.2 \div 4.1 \times 2) - 4 \times 3 \div 1.2$$

$$\Rightarrow 3.8 + (2 \times 2) - 4 \times 3/1.2$$

$$\Rightarrow 3.8 + 4 - 10$$

$$\Rightarrow 7.8 - 10$$

$$\Rightarrow -2.2$$

76. Answer: a

Explanation:

The correct answer is cursing

★ Key Points

- Meaning of the words given in the options are:
 - **Invoking** means call on (a deity or spirit) in prayer, as a witness, or for inspiration.
 - **Blessing** means a prayer asking for divine favour and protection.
 - **Tormenting** means inflicting severe physical or mental suffering.
 - **Cursing** means utter offensive words in anger or annoyance.
 - For eg; He cursed him loudly as she burned his hand.
- It is clear that cursing will be used as the person was annoyed because nothing was working for him.
- So, options 2,3, and 4 are incorrect.
- Thus, the complete sentence is: I sat cursing my life as nothing seemed to be working for me.

77. Answer: c

Explanation:

The correct answer is option 3.

Ishwar Chand Vidyasagar used the ancient texts to suggest that widows could remarry.

In the given question, it is clear that we are talking about something in the past so the **past tense of the verb** should be used i.e. **used** instead of **use**. Also, before **suggestion**, **to** is placed which means that an action is performed. So, instead of the noun **suggestion**, we must use the verb **suggest**.

So, options 1,2 and 4 are incorrect.

78. Answer: c

Explanation:

The correct answer is option 3.

Devout means having or showing deep religious feeling or commitment.

*For eg; She was a **devout** catholic.*

Revered means feeling or showing deep and solemn respect.

Respectable means regarded by society to be good, proper, or correct.

Pious means devoutly religious.

*For eg; My grandmother was a deeply **pious** person.*

It is clear that **devout** and **pious** are synonyms.

Loyal means giving or showing firm and constant support or allegiance to a person or institution.

So, options 1,2 and 4 are incorrect.

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79. Answer: d

Explanation:

The correct answer is option 4.

Renown means the condition of being known or talked about by many people; fame.

*For eg; He was a **renown** author.*

Obscurity means the state of being unknown, inconspicuous, or unimportant.

Wisdom means the quality of having experience, knowledge, and good judgement; the quality of being wise.

Conceit means excessive pride in oneself.

Fame means the state of being known or talked about by many people, especially on account of notable achievements.

*For eg; Winning the medal bought him **fame** and fortune.*

It is clear that **fame** and **renown** are synonyms.

So, options 1,2 and 3 are incorrect.

80. Answer: a

Explanation:

The correct answer is option 1.

It has managed to (5) **pervade** the entire world.

Pervade means spread through and be perceived in every part of.

It is clear that **pervade** is the appropriate word as the statement suggests that English has managed to spread in every part of the world.

Persuade means cause (someone) to believe something, especially after a sustained effort; convince.

Invade means enter (a country or region) so as to subjugate or occupy it.

Saturate means fill (something or someone) with something until no more can be held or absorbed.

So, options 2,3 and 4 are incorrect.

81. Answer: b

Explanation:

The correct answer is option 2.

Ascent means an upward slope or path that one may walk or climb.

*For eg; The **ascent** grew steeper which scared me.*

Depression means feelings of severe despondency and dejection.

Descent means an act of moving downwards, dropping, or falling.

*For eg; The plane had gone into a steep **descent** because of which there was utter chaos.*

It is clear that **ascent** and **descent** are antonyms.

Decent means conforming with generally accepted standards of respectable or moral behaviour.

Distant means far away in space or time.

So, options 1,3 and 4 are incorrect.

82. Answer: c

Explanation:

The correct answer is out of danger

★ Key Points

- **Out of the woods** means when one comes out of danger, difficulty or trouble.
- The given sentence means that the man was relaxed when he was sure that he was out of danger.

- So, options 1,2 and 4 are incorrect.

83. Answer: a

Explanation:

The correct answer is option 1.

*English is more (4) **prevalent** than any single Indian language!*

Prevalent means **widespread in a particular area or at a particular time.**

It is clear that **prevalent** is the appropriate word as the statement suggests that English is the most widespread language than any other Indian language.

Frequented means **visited often or habitually.**

Extended means **cause to cover a wider area; make larger.**

Comprehensive means **including or dealing with all or nearly all elements or aspects of something.**

So, options 2,3 and 4 are incorrect.

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84. Answer: b

Explanation:

The correct answer is option 2.

The first statement should be ***In popular Indian cinema, lyrics are to music what the heart is to the body.*** This gives a brief account or introduction of what is going to be talked about in the following statements.

After D, it should be ***A Lyrics help in creating a distinctive narrative, some conventions of which have been carried over from the talkies era .*** This is because

the first statement talks about lyrics so, **A** should be in continuation with **D**. Also, **B** and **C** talk about songs so, they cannot come after **D**.

The correct order is **DACB**.

So, options **1,3 and 4** are **incorrect**.

85. Answer: d

Explanation:

The correct answer is exhilarate

★ Key Points

- The correct spelling of the given word is **exhilarate**.
 - **Exhilarate** means to make lively and cheerful; gladden; elate
 - **Example:** *She was exhilarated by the day's events.*
 - So, options **1,2, and 3** are **incorrect**.
-

86. Answer: a

Explanation:

The correct answer is option 1.

To feather their own nest means to **utilize one's own position at work for own monetary gain**.

It is clear that the sentence means that many people join politics to promote their own interests or to gain for themselves.

So, options **2,3 and 4** are **incorrect**.

87. Answer: d

Explanation:

The correct answer is **Equilibrium**.

★ Key Points

- **Equinox** means the time or date (twice each year) at which the sun crosses the celestial equator when day and night are of equal length (about 22 September and 20 March)
- **Equivalent** means equal in value, amount, function, meaning, etc.
- **Equilateral** means having all its sides of the same length.
- **Equilibrium** means a state in which opposing forces or influences are balanced or a state of perfect balance.
- After understanding the meanings, options 1, 2, and 3 can be easily eliminated.

Hence, the correct choice is **option 4**.

88. Answer: b

Explanation:

The correct answer is option 2.

The correct spelling is a **proportion**.

So, options **1, 3 and 4** are **incorrect**.

89. Answer: d

Explanation:

The correct answer is option 4.

Philanthropist means a person who seeks to promote the welfare of others, especially by the generous donation of money to good causes.

Omnipresent means widely or constantly encountered; widespread.

Pedestrian means a person walking rather than travelling in a vehicle.

Somnambulist means a person who walks in sleep.

So, options 1,2 and 3 are incorrect.

90. Answer: b

Explanation:

The correct answer is option 2.

*Not complying **by** any of the laws can land you into serious trouble.*

By is used mostly to state proximity, purpose or method while **with** is used to state : together, involved, having, using, feeling, agreement, understanding. In the given statement, **complying** should be followed by **with** as the statement describes the action of **agreement with laws**.

So, options 1,3 and 4 are incorrect.

91. Answer: c

Explanation:

The correct answer is option 3.

Raja Ravi Varma was **one of the first artist** who tried to create a style that was both modern and traditional.

The singular noun **artist** is followed by the quantifier **one of the** which always requires a plural form of the verb. Instead of **artist** , it should be **artists**.

So, options **1,2 and 4** are **incorrect**.

92. Answer: c

Explanation:

The correct answer is **rarefied**.

★ Key Points

- **Meaning** of the words given in the options are:
 - **Intensified** means of extreme force, degree, or strength.
 - **Elevated** means situated or placed higher than the surrounding area.
 - **Exalted** means raise to a higher rank or position.
 - **Rarefied** means (of air, especially that at high altitudes) of lower pressure than usual; thin.
- It is clear that rarefied is the appropriate word as rarefied is specifically used to describe air.
- So, options **1,2 and 4** are incorrect.
- **Thus, the complete sentence is:** *The roads at 15000 feet are not easily navigable and the air is rarefied and freezing.*

93. Answer: c

Explanation:

The correct answer is option 3.

Cash transactions **are being replaced** by credit cards.

While changing from active to passive form, we interchange the subject and the object of the sentence. The given sentence is in present continuous tense identified by **are replacing** so, we change the form of the main verb to the past participle form i.e **replaced** and add **being**.

So, options **1,2 and 4** are **incorrect**.

94. Answer: a

Explanation:

The correct answer is option 1.

*But it is used extensively in (2) **the** country.*

The is used before specific plural and singular nouns. Here, the **country** is a specific noun, so **the** will be used.

A is used when we are referring to any member of a group and not a specific thing.

For eg; I need a knife.

An is used before **vowels**.

For eg; I want an apple.

So, options **2,3 and 4** are **incorrect**.

95. Answer: a

Explanation:

The correct answer is **native**

★ Key Points

- **Foreign** means of, from, in, or characteristic of a country or language other than one's own.
- For eg; *She visited a **foreign** island.*
- **Native** means a person born in a specified place or associated with a place by birth, whether subsequently resident there or not.
- For eg; *She is a **native** of North America.*
- Foreign and native are antonyms.

★ Additional Information

- **Indian** means a person born in a specified place or associated with a place by birth, whether subsequently resident there or not.
- **Rural** means in, relating to, or characteristic of the countryside rather than the town.
- **Rustic** means relating to the countryside; rural.
- So, options 2,3, and 4 are incorrect.

96. Answer: d

Explanation:

The correct answer is They gave us very little time to prepare the presentation.



Key-Points

- In **Active Voice**, a sentence emphasizes the subject, performing an action.
- In **Passive Voice**, a sentence emphasizes the action or the object of the sentence.
- The **given sentence** is in the **passive voice** and 'We' is the **subject** and the **object** is hidden.
- When we convert this sentence into **active voice**, the subject 'We' of the **passive voice** becomes the **object** (objective case for 'we' is 'us'), the hidden **object** 'they' becomes the **subject**.

- The passive format "**were + V3 (given)**" should be changed into the active format "**V2 (gave)**".
- This is the active and passive voice **rule** for the **past simple tense**.
- **Hence**, the correct answer is **option 4**.



Additional Information

Verbs of passive format have a different set of tenses (*V3 – Past participle or Third form of the Verb) as given below in the table:

prepp

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TENSE	ACTIVE	PASSIVE	PASSIVE CONVERSION
Present Simple	He plays football	am/is/are + V3	Football is played by him
Present Continuous	He is playing football	am/is/are + being + V3	Football is being played by him
Present Perfect	He has played football	Has/have + been + V3	Football has been played by him
Present Perfect Continuous	He has been playing football	Not used and unusual.	Not used and unusual
Past Simple	He played football	Was/were + V3	Football was played by him
Past Continuous	He was playing football	Was/were + being + V3	Football was being played by him
Past Perfect	He had played football	Had + been + V3	Football had been played by him
Past Perfect Continuous	He had been playing football	Not used and unusual	Not used and unusual

Future Simple	He will play football	Will + be + V3	Football will be played by him
Future Continuous	He will be playing football	Not used and unusual	Not used and unusual
Future Perfect	He will have played football	Will have been + V3	Football will have been played by him
Future Perfect Continuous	He will have been playing football	Not used and unusual	Not used and unusual

97. Answer: d

Explanation:

The correct answer is option 4.

The first statement should be *One of the things I really missed when I set up home in Maryland, was a restaurant that served authentic Indian food.* This is because all other statements are in continuation with other statements as **A** starts with **so**,

B is talking about a place which is not been mentioned till now and

D uses **this idea** but the reader does not know which idea is being talked about.

The next statement is *So, I had thoughts of setting up an Indian restaurant there with my wife's support.* This is because in the first statement the speaker misses authentic Indian food so, after that the correct order should be the thought of setting up an Indian restaurant.

After **A**, it should be **D**. e after having the thought, he decided to pursue the idea.

The correct order is **CADB**.

So, options 1,2 and 3 are incorrect.

98. Answer: a

Explanation:

The correct answer is seen him since I last left

★ Key Points

- When **since** introduces an action or event at a point of time in the past, we use the past simple after **since** and the **present perfect in the main clause**.
 - **Example:** *They haven't received any junk mail since they moved house.*
- '**left**' is the past indefinite form of '**leave**'

The correct sentence is: *I have not **seen him since I last left** town.*

99. Answer: b

Explanation:

The correct answer is option 2.

*India comes second in the list of countries (3) **with** most English speakers, albeit not as the first language.*

With is used when we include something with another.

For eg; The meal with wine was delicious.

It is clear that **with** is the most appropriate word as it is used to state that India includes most English speakers.

Among is used when we are talking about a group or to indicate that something belongs to a group.

For eg; She was always comfortable when she was among them.

By is used to indicate a method or an action with a purpose.

For eg; He has gone by train.

From is used to show the origin of something or who sent/gave something.

For eg; This is from my mother.

So, options 1,3 and 4 are incorrect.

100. Answer: a

Explanation:

The correct answer is option 1.

*English is not a language that (1) **originated** in India.*

Originated means to come from a particular time, place, situation, etc.:

It is clear that **originated** is the most appropriate word as the statement suggests that **English does not come or originate from India.**

Derived means obtain something from (a specified source).

Developed means to grow or cause to grow and become more mature, advanced, or elaborate.

Created means to bring (something) into existence.

So, options 2,3 and 4 are incorrect.