



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 (10-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. Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. (+2, -0.5)

24 : 56

- a. 12 : 36
- b. 15 : 40
- c. 9 : 21
- d. 18 : 48

-
2. If HEAD is coded as 37 and BANK is coded as 57, then how will KITE be coded as? (+2, -0.5)

- a. 91
- b. 87
- c. 76
- d. 69

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

16, 24, 36, ?, 81

- a. 52
- b. 58
- c. 61

d. 54

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

a. 523

b. 734

c. 312

d. 953

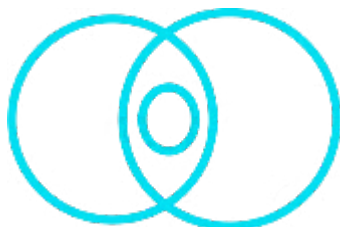
-
5. Select the Venn diagram that best illustrates the relationship between the following classes. (+2, -0.5)

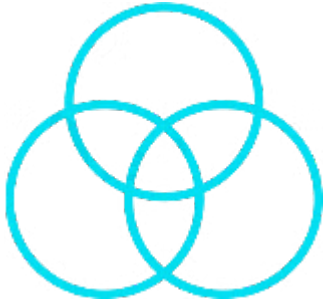
Indians, Females, Voters

a.



b.





6. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series. (+2, -0.5)

ca_bab_ad_ab_ad_ab

- a. dcabc
- b. dcbcb
- c. cdbcd
- d. bcdcb

7. Select the set in which the numbers are related in the same way as are the numbers of the following set. (+2, -0.5)

(5, 24, 7)

- a. (8, 80, 12)
- b. (6, 75, 11)

c. (10, 71, 13)

d. (9, 63, 14)

8. 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. DCBZ

b. TSRN

c. XVWZ

d. MLKP

9. Select the set in which the numbers are related in the same way as are the numbers of the following set. (+2, -0.5)

(17, 12, 7)

a. (42, 34, 27)

b. (39, 28, 19)

c. (15, 19, 23)

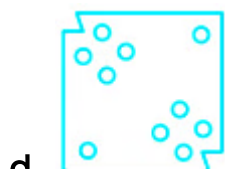
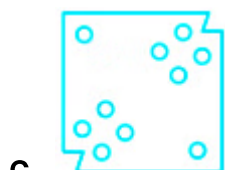
d. (23, 32, 39)

10. In a family of seven persons, B is the brother of A and the son of C. D is the son-in-law of C, who has two grandchildren, E and F. A is the mother of F, who is the niece of G. E is the son of G. If C has two children, how is E related to D? (+2, -0.5)

a. Nephew

- b. Son
- c. Cousin
- d. Brother-in-law

11. A square paper is folded and cut as shown below. How will it appear when unfolded? (+2, -0.5)



12. Arrange the following words in a logical and meaningful order.

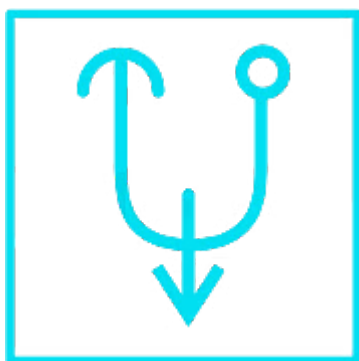
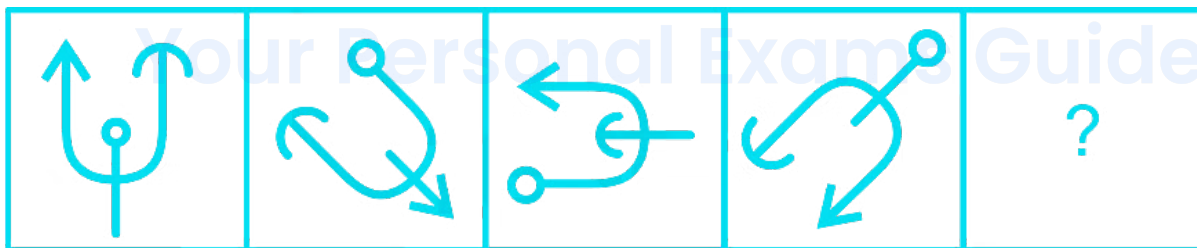
(+2, -0.5)

1. Child
2. Marriage
3. Infant
4. Employment
5. Education

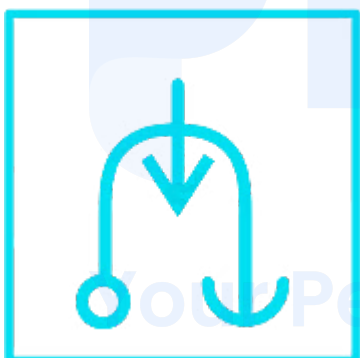
- a. 5, 2, 4, 1, 3
- b. 3, 5, 2, 4, 1
- c. 3, 1, 5, 4, 2
- d. 4, 1, 3, 5, 2

13. Select the figure that will come next in the following figure series.

(+2, -0.5)



a.



14. 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)

Statements:

Some carpenters are technicians.

All technicians are mechanics.

Conclusions:

- I. Some carpenters are mechanics.
 - II. Some mechanics are technicians.
 - III. All carpenters are mechanics.
- a. None of the conclusions follows
 - b. Only conclusions I and II follow
 - c. Only conclusion I follows
 - d. Only conclusions II and III follow

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

$$24 - 12 \div 4 + 8 \times 2 = 11$$

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

-
16. The average of 9 numbers is 40. If the average of the first five numbers is 38 and that of the last five is 50, then what is the fifth number? (+2, -0.5)

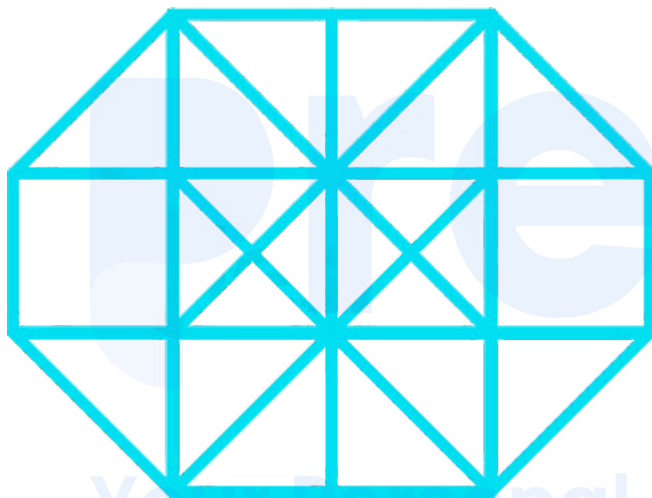
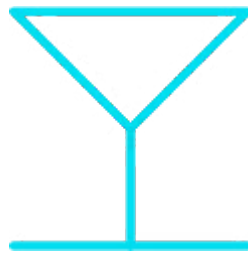
- a. 78
- b. 84

c. 80

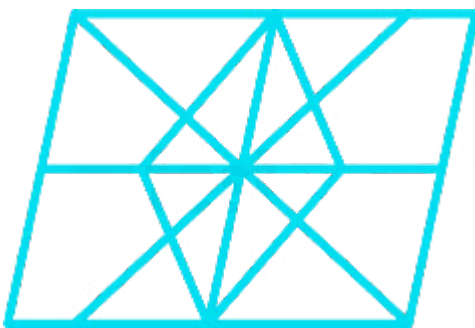
d. 90

17. Select the figure in which the given figure is embedded.

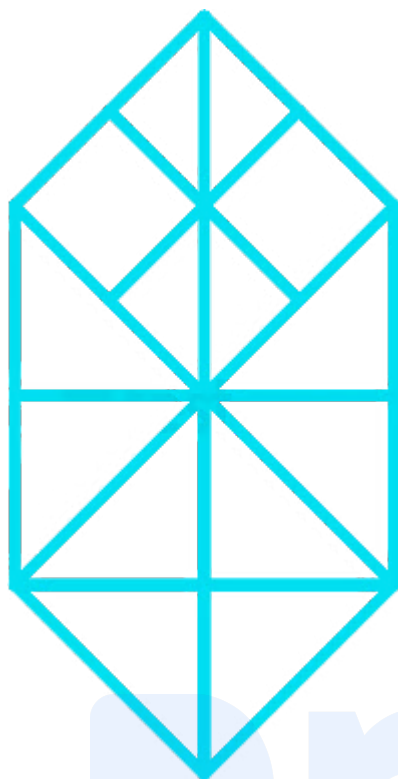
(+2, -0.5)



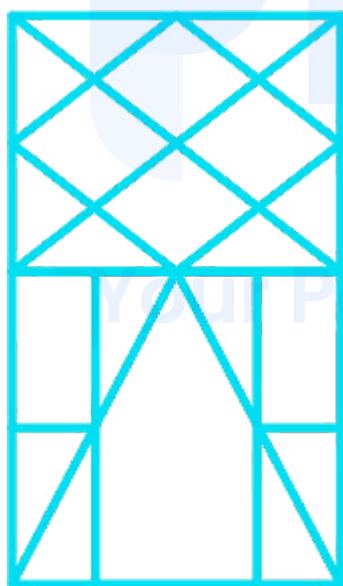
a.



b.



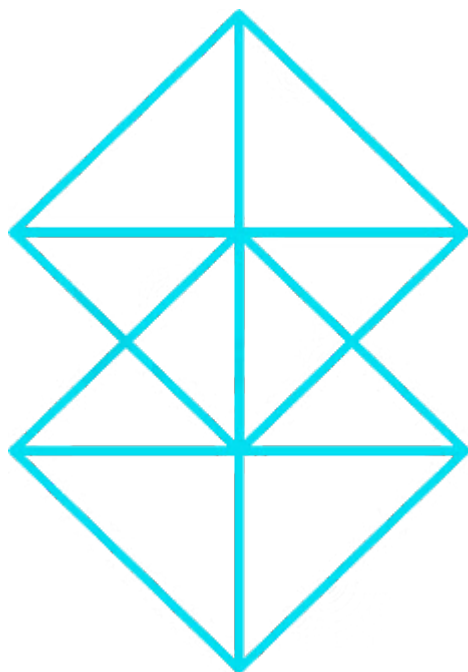
c.



d.

18. How many triangles are there in the following figure?

(+2, -0.5)



- a. 22
- b. 14
- c. 24
- d. 18

prepp

Your Personal Exams Guide

19. Select the mirror image of the given figure when the mirror is placed to the right of the figure. (+2, -0.5)





20. In a code language, PASTEUR is coded as TPRUASE. How would SEVENTY be coded in that language? (+2, -0.5)

a. ESYETNV

b. ENVETYS

c. NSYTEVN

d. ESYTEVN

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

DGIL : WTRO :: FHKM : ?

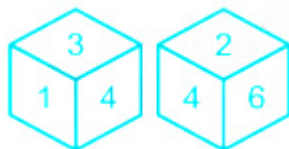
a. USPN

b. TRON

c. QPLJ

d. WTSP

22. Two different positions of the same dice are shown. Which number will be at the top if 5 is at the bottom? (+2, -0.5)



- a. 3
- b. 2
- c. 4
- d. 6

23. 'Geology' is related to 'Rocks' in the same way as 'Cytology' is related to '_____'. (+2, -0.5)

- a. Life
- b. Organism
- c. Cells
- d. Plants

24. 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. Arrest
- b. Impede

- c. Steal
- d. Hinder

25. In the following question, select the related word pair from the given alternatives. (+2, -0.5)

Commodity Exchange : Commodity

- a. Treatment : Disease
- b. Correspondence : letter
- c. Debate : Discussion
- d. Marching : Traffic

Prepp

Your Personal Exams Guide

General Awareness

26. Which of the following elements is a lanthanide? (+2, -0.5)

- a. Actinium
- b. Francium
- c. Cerium
- d. Polonium

27. Special Olympics held every _ _ _ _ _ years, is a global movement of people creating a new world of inclusion, where every single person is accepted and welcomed, regardless of their ability or disability. (+2, -0.5)

- a. two
- b. three
- c. four
- d. five

28. In March 2019, the Central Board of Secondary Education (CBSE) announced the introduction of skill subjects in the school curriculum for the academic session 2019-20. Which of the following is NOT one of them? (+2, -0.5)

- a. Yoga
- b. Early Childhood Care Education (ECCE)
- c. Artificial Intelligence (AI)
- d. Spiritual Enhancement

29. _____, activist-journalist from Karnataka, who was shot dead in September 2017, was posthumously conferred the Anna Politkovskaya Award 2017. (+2, -0.5)

- a. Sayed Mehdi
- b. Sudip Dutta Bhaumik
- c. Naveen Gupta
- d. Gauri Lankesh

30. _____ Strait separates the islands of Java (east) and Sumatra. (+2, -0.5)

- a. Sunda
- b. Cook
- c. Malacca
- d. Yucatan

31. The Global Business Summit, launched on 15 January 2015, is a flagship initiative of the _____ Group. (+2, -0.5)

- a. Economist
- b. Bhaskar
- c. Times
- d. Dutch

32. _____ pass connects Uttarakhand and Tibet and is situated in the north of Gangotri. (+2, -0.5)

- a. Zoji La
- b. Shipki La
- c. Bara Lacha La
- d. Muling La

33. Safdarjung's tomb, set in the middle of a garden, was built by Nawab Shuja-ud-Daulah in _____. (+2, -0.5)

- a. Delhi
- b. Bihar
- c. Uttarakhand
- d. Uttar Pradesh

34. _____ has been called the "architect king" as during his reign, the world witnessed a unique development of arts and culture of the Mughal Empire. (+2, -0.5)

- a. Akbar
- b. Shah Jahan
- c. Aurangzeb
- d. Jahangir

35. It was under the reign of _ _ _ _ _ that the Mughal Empire reached its peak in matter of area under the Mughal empire. (+2, -0.5)

- a. Aurangzeb
 - b. Shah Jahan
 - c. Jahangir
 - d. Akbar
-

36. A situation where the expenditure of the government exceeds its revenue is called _ _ _ _ _ . (+2, -0.5)

- a. Default Revenue
 - b. Default Financing
 - c. Deficit Revenue
 - d. Budget Deficit
-

37. Which of the following elements is an actinide? (+2, -0.5)

- a. Ytterbium
 - b. Curium
 - c. Lutetium
 - d. Erbium
-

38. In February 2019, Flight Lieutenant _____ created history by becoming the first Indian woman flight engineer. (+2, -0.5)

- a. Mohana Singh
 - b. Hina Jaiswal
 - c. Bhawana Seth
 - d. Anjali Gupta
-

39. One of the prominent Buddhist structures in India, _____ Stupa at Sarnath was constructed by the great Mauryan king, Ashoka. (+2, -0.5)

- a. Dhamekh
 - b. Lalitgiri
 - c. Dhauri
 - d. Bharhut
-

40. _____ died in 1605, nearly 50 years after his ascension to the throne. He was buried outside of Agra at Sikandra. (+2, -0.5)

- a. Jahangir
 - b. Akbar
 - c. Aurangzeb
 - d. Shah Jahan
-

41. In the periodic table, Mendeleev could NOT assign a correct position to _____ (+2, -0.5)

- a. Oxygen
- b. Nitrogen
- c. Carbon
- d. Hydrogen

42. Superstats, a new platform to analyse the game of cricket, comprises of three metrics. Which of the following is NOT one of them? (+2, -0.5)

- a. Forecaster
- b. Score Index
- c. Smart Stats
- d. Luck Index

43. _____ married Mehr-un-Nisa whom he gave the title of 'Nur Jahan' (light of the world). (+2, -0.5)

- a. Jahangir
- b. Aurangzeb
- c. Shah Jahan
- d. Akbar

44. Law of octaves says that if the chemical elements are arranged according to increasing atomic weight, those with similar physical and chemical properties occur after each interval of _ _ _ _ _ elements. (+2, -0.5)

- a. 7
- b. 9
- c. 10
- d. 5

45. Who among the following gave the 'Law of Octaves'? (+2, -0.5)

- a. Dobereiner
- b. Mendeleev
- c. Lavoisier
- d. Newlands

46. Indian origin campaigner _ _ _ _ _ was named UK's Most Influential Black Person of the Year on 25 October 2017. (+2, -0.5)

- a. David Olusoga
- b. Priti Patel
- c. Jonathan Marland
- d. Gina Miller

47. The power to summon the Houses of the Parliament is vested with the _____ . (+2, -0.5)

- a. Vice President
 - b. President
 - c. Prime Minister
 - d. Speaker
-

48. The Parliament of India consists of _____ . (+2, -0.5)

- a. House of the People and Council of States
 - b. House of the People
 - c. President, House of the People and Council of States
 - d. Council of States
-

49. Swaroop Rawal, an Indian teacher at Lavad Primary School in _____ (+2, -0.5)
was in the running for the prestigious Global Teacher Prize 2019 which
honours the world's best teacher.

- a. Tamil Nadu
 - b. Kerala
 - c. Maharashtra
 - d. Gujarat
-

50. A nautical mile is equal to _ _ _ _ _.

(+2, -0.5)

- a. 1672 metres
- b. 1852 metres
- c. 2000 metres
- d. 2450 metres

Prepp

Your Personal Exams Guide

Quantitative Aptitude

51. Let O be the centre of a circle and AC be its diameter. BD is a chord intersecting AC at E. Point B is joined to C and D. If $\angle BOC = 50^\circ$ and $\angle AOD = 110^\circ$, then $\angle BEC = ?$ (+2, -0.5)
- a. 80°
 - b. 90°
 - c. 70°
 - d. 55°
-
52. What is the ratio of the mean proportional between 4.8 and 10.8 and the third proportional to 0.4 and 2.4? (+2, -0.5)
- a. 1 : 2
 - b. 3 : 2
 - c. 2 : 1
 - d. 2 : 3
-
53. The speed of train A is 25 km/h more than the speed of train B. A takes 4 hours less time to travel a distance of 300 km than what train B takes to travel 250 km. What is the speed (in km/h) of A? (+2, -0.5)
- a. 50
 - b. 65
 - c. 60

d. 55

54. **Direction :** The table shows the production of different types of cars (in thousands). (+2, -0.5)

Cars/Year	2012	2013	2014	2015	2016
A	46	53	56	58	67
B	50	65	67	66	72
C	43	54	55	47	51
D	47	52	61	65	74
E	48	58	63	64	67

The average production of type A cars during the five years is what percent of the total production of type C cars during the five years?

- a. 21.8
- b. 18.7
- c. 20.6
- d. 22.4

55. If an 11-digit number $5y5884805x6$ is divisible by 72, then the value of $\sqrt{xy}$ is? where the value of x should be maximum: (+2, -0.5)

- a. $2\sqrt{7}$
- b. 3
- c. 7
- d. $\sqrt{7}$

56. If $4x^2 - 6x + 1 = 0$, then the value of $8x^3 + (8x^3)^{-1}$ is: (+2, -0.5)

- a. 18
- b. 36
- c. 13
- d. 11

57. In $\triangle ADC$, E and B are the points on the sides AD and AC respectively such that $\angle ABE = \angle ADC$. If $AE = 6$ cm, $BC = 2$ cm, $BE = 3$ cm and $CD = 5$ cm, then $(AB + DE)$ is equal to: (+2, -0.5)

- a. 14 cm
- b. $46/3$ cm
- c. 16 cm
- d. $49/3$ cm

58. The average of twelve numbers is 55.5. The average of the first four numbers is 53.4 and that of the next four numbers is 54.6. The 10th number is greater than the 9th number by 3 but lesser than the 11th and 12th numbers by 2 and 3, respectively. What is the average of the 10th and the 12th numbers? (+2, -0.5)

- a. 56
- b. 58
- c. 59.5
- d. 57.5

59. A sum of Rs. 12,000 amounts to Rs. 20,736 in 3 years at a certain rate percent per annum, interest compounded annually. What will amount of the same sum to in 2 years at the same rate on compound interest? (+2, -0.5)

- a. Rs. 17,280
- b. Rs. 15,640
- c. Rs. 17,820
- d. Rs. 14,520

60. Find the value of $\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9}$ of $1\frac{1}{5} + \frac{2}{23} \times 3\frac{5}{6} \div \frac{2}{7}$ of $2\frac{1}{3}$ (+2, -0.5)

- a. $4\frac{5}{6}$
- b. $1\frac{2}{3}$
- c. $3\frac{1}{2}$

d. $1\frac{5}{6}$

61. If $\frac{\tan \theta + \sin \theta}{\tan \theta - \sin \theta} = \frac{k+1}{k-1}$, then $k = ?$

(+2, -0.5)

a. $\cos \theta$

b. $\operatorname{cosec} \theta$

c. $\sin \theta$

d. $\sec \theta$

62. In a $\triangle ABC$, right angled at B, $AB = 7$ cm and $(AC - BC) = 1$ cm. The value of $(\sec C + \cot A)$ is:

(+2, -0.5)

a. $19/24$

b. 1

c. $4/3$

d. $3/4$

63. If $3\sin \theta = 2\cos^2 \theta$, $0^\circ < \theta < 90^\circ$, then the value of $(\tan^2 \theta + \sec^2 \theta - \operatorname{cosec}^2 \theta)$ is:

(+2, -0.5)

a. $-7/3$

b. 2

c. $7/3$

d. -2

64. **Direction :** The table shows the production of different types of cars (in thousands). (+2, -0.5)

Cars/Year	2012	2013	2014	2015	2016
A	46	53	56	58	67
B	50	65	67	66	72
C	43	54	55	47	51
D	47	52	61	65	74
E	48	58	63	64	67

The total production of type B cars in 2015 and type D cars 2016 is what percent less than the total production of type E cars in five years?

- a. $46\frac{2}{3}$
- b. $52\frac{2}{3}$
- c. $53\frac{1}{3}$
- d. $50\frac{1}{3}$

65. **Direction :** The table shows the production of different types of cars (in thousands). (+2, -0.5)

Cars/Year	2012	2013	2014	2015	2016
A	46	53	56	58	67
B	50	65	67	66	72
C	43	54	55	47	51
D	47	52	61	65	74
E	48	58	63	64	67

What is the ratio of the total production of type C and D cars in 2012 to the total production of type A cars in 2014 and type E cars in 2015?

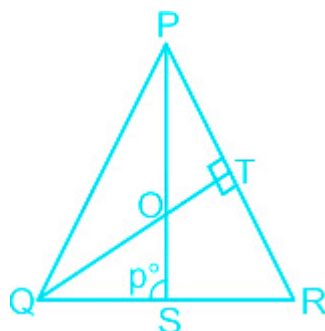
a. 9 : 11

b. 5 : 6

c. 11 : 12

d. 3 : 4

66. In $\triangle PQR$, $QT \perp PR$ and S is a point on QR such that $\angle PSQ = p^\circ$. If $\angle TQR = 46^\circ$ and $\angle SPR = 32^\circ$, then the value of p is: (+2, -0.5)



- a. 78°
- b. 72°
- c. 82°
- d. 76°

67. If $a^2 + b^2 + c^2 + 27 = 6(a + b + c)$, then what is the value of $\sqrt[3]{a^3 + b^3 + c^3}$? (+2, -0.5)

- a. 3
- b. 9
- c. 1
- d. 6

68. The income of A is 40% more than that of B. If A got a 25% rise in his income and B got a 40% rise in his income, then the percentage increase in the combined incomes of A and B is: (+2, -0.5)

- a. 31.25
- b. 28.25
- c. 34.5

d. 24.5

69. The curved surface area and the volume of a cylinder are 264 cm^2 and 924 cm^3 , respectively. What is the ratio of its radius to height? (Take $\pi = 22/7$) (+2, -0.5)

a. 3 : 2

b. 4 : 3

c. 7 : 6

d. 5 : 4

70. **Direction :** The table shows the production of different types of cars (in thousands). (+2, -0.5)

Cars/Year	2012	2013	2014	2015	2016
A	46	53	56	58	67
B	50	65	67	66	72
C	43	54	55	47	51
D	47	52	61	65	74
E	48	58	63	64	67

If the data related to the production of type B cars is represented by a pie chart, then the central angle of the sector representing the production of cars in 2016 is:

- a. 56°
- b. 75°
- c. 81°
- d. 73°

71. The ratio of the efficiencies of A, B and C, to do a certain work is $7 : 3 : 5$. (+2, -0.5)

Working together, they can complete the work in 21 days. A and C worked together for 15 days. The remaining work will be completed by B alone in:

- a. 60 days
- b. 63 days
- c. 45 days
- d. 54 days

72. A circle touches the side PQ of a $\triangle APQ$ at the point R and sides AP and AQ (+2, -0.5)

produced at the points B and C, respectively. If the perimeter of $\triangle APQ = 30$ cm, then the length of AB is:

- a. 15 cm
- b. 20 cm
- c. 12 cm

d. 10 cm

73. The marked price of an article is Rs. 550. A shopkeeper allows a discount of 20% and still gets a profit of 10%. If he sells it for Rs. 470, his profit percent will be: (+2, -0.5)

a. 16.8

b. 18

c. 17.5

d. 16

74. If $x + y + z = 0$, then the value of $(x^2 + y^2 + z^2) \div (z^2 - xy)$ is: (+2, -0.5)

a. 1

b. 2

c. -2

d. -1

75. A bought an article for Rs. 5,400 and sold it at a loss of 30%. With this amount, he bought another article and sold it at a gain of 60%. What was his overall percentage gain or percentage loss? (+2, -0.5)

a. Gain, 1.2%

b. Gain, 12%

c. Loss, 1.2%

d. Loss, 12%

Prepp

Your Personal Exams Guide

English Comprehension

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

SACRED

- a. profound
- b. perpetual
- c. profane
- d. pious

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

NOTORIOUS

- a. infamous
- b. vicious
- c. reputable
- d. disgraceful

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

Charles Dickens was different in his style of writing from most of his
_____ in the Victorian era.

- a. contemporaries
- b. critics
- c. confidants

d. cronies

79. Select the option that can be used as a one-word substitute for the given group of words/phrases. (+2, -0.5)

One who is indifferent to art and culture

- a. philistine
 - b. philanderer
 - c. scientist
 - d. cynic
-

80. 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)

Though many European t raders visit Puducherry in the sixteenth century onwards, what remains today is a relic of its French past.

- a. No improvement
 - b. traders visited Puducherry in a sixteenth century onward
 - c. trader visit Puducherry from the sixteenth century onwards
 - d. traders visited Puducherry from the sixteenth century onwards
-

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

The loyal watchman was cut to the quick when he was accused of theft.

- a. dismissed
 - b. imprisoned
 - c. severely punished
 - d. hurt intensely
-

82. 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)

Perhaps India should listen to her (1) _____ sages who taught the importance (2) _____ balance. This means we should be (3) _____ not to take anything too far (4) _____ be too radical. The unfortunate results of (5) _____ - too far are obvious in the environmental degradation.

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

- a. initial
 - b. antique
 - c. extinct
 - d. ancient
-

83. Select the option that can be used as a one-word substitute for the given group of words/phrases. (+2, -0.5)

One who embraces voluntary death for the sake of one's country

- a. martyr
- b. fanatic

- c. patriot
- d. diplomat

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

- A. For a split second, as the stranger stepped into the light, his furry head was clearly visible.
- B. At first, all seemed still outside the house, except for the sound of the rain.
- C. Recognizing him, Joe stood petrified staring at the man wearing a long coat, wet from rain.
- D. But then, footsteps approached the house and a stranger emerged out of the darkness.

- a. BDAC
- b. CABD
- c. DACB
- d. BCDA

85. 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)

Perhaps India should listen to her (1) _____ sages who taught the importance (2) _____ balance. This means we should be (3) _____ not to take anything too far (4) _____ be too radical. The unfortunate results of (5) _____ - too far are obvious in the environmental degradation.

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

- a. by
- b. of
- c. for
- d. in

86. Select the most appropriate option to fill in the blank.

(+2, -0.5)

She performs different roles very convincingly as she is a very _____ actor.

- a. versatile
- b. virtuous
- c. verbose
- d. voracious

87. 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)

Perhaps India should listen to her (1) _____ sages who taught the importance (2) _____ balance. This means we should be (3) _____ not to take anything too far (4) _____ be too radical. The unfortunate results of (5) _____ - too far are obvious in the environmental degradation.

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

- a. but
 - b. so
 - c. or
 - d. otherwise
-

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

It is unfortunate that most people in the country are still living from hand to mouth.

- a. saving for the future generations
 - b. earning wealth by selfish means
 - c. doing manual labour
 - d. consuming daily what little is earned
-

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

Most disputes can be solved amicably unless one are rigid.

- a. Most disputes
 - b. unless one are
 - c. rigid
 - d. can be solved amicably
-

90. 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)

The India consensus study highlight a benefits by adding domestic violence prevention approaches to current government policy

- a. highlight a benefit in addition
- b. No improvement
- c. highlights the benefits of adding
- d. highlight the benefits from added

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

She was seen sitting in the last row.

- a. We have seen her sitting in the last row.
- b. We saw her sitting in the last row.
- c. We see her sitting in the last row.
- d. We had seen her sitting in the last row.

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

PRECARIOUS

- a. dangerous
- b. valuable
- c. abundant

d. premature

93. Select the correctly spelt word.

(+2, -0.5)

a. mentainance

b. maintainence

c. maintenance

d. maintenence

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

(+2, -0.5)

STERILE

a. barren

b. productive

c. Fecund

d. sordid

95. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

(+2, -0.5)

A. The students often go about their business, singing along in the corridors.

B. But for the students of St. Ambrose High School, it no longer dictates their day.

C. A bell can sound gloomy or cheerful depending on when it is rung.

D. It has been scrapped in favor of music which now breaks up the timetable of the school

- a. BDAC
- b. CADB
- c. ACBD
- d. CBDA

-
96. 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)

Perhaps India should listen to her (1) _____ sages who taught the importance (2) _____ balance. This means we should be (3) _____ not to take anything too far (4) _____ be too radical. The unfortunate results of (5) _____ - too far are obvious in the environmental degradation.

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

- a. venturing
- b. pioneering
- c. risking
- d. climbing

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

In the northern suburbs of Bengaluru, home to the bulk of the information technology industry, the water crisis is even worst.

- a. is even worst
- b. the water crisis
- c. In the northern suburbs
- d. home to the bulk of

98. Select the correctly spelt word.

(+2, -0.5)

- a. Adolescence
- b. Adolesense
- c. Adolescence
- d. Adolescence

99. 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)

Perhaps India should listen to her (1) _____ sages who taught the importance (2) _____ balance. This means we should be (3) _____ not to take anything too far (4) _____ be too radical. The unfortunate results of (5) _____ - too far are obvious in the environmental degradation.

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

- a. caretaker

b. careless

c. careful

d. carefree

100. Select the correct passive form of the given sentence.

(+2, -0.5)

The enemy will have seized the fort before nightfall.

a. The fort will have been seized by the enemy before nightfall.

b. The fort would have been seized by the enemy before nightfall.

c. The enemy will seize the fort before nightfall

d. The enemy will be seized by the fort before nightfall

Prepp

Your Personal Exams Guide

Answers

1. Answer: c

Explanation:

Pattern followed is:

$$8 \times 3 = 24; 8 \times 7 = 56$$

Similarly,

$$3 \times 3 = 9; 7 \times 3 = 21$$

Hence, 9:21 is the correct answer.

2. Answer: a

Explanation:

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

$$H + E + A + D = 8 + 5 + 1 + 4 = 18, 18 \times 2 + 1 = 37$$

$$B + A + N + K = 2 + 1 + 14 + 11 = 28, 28 \times 2 + 1 = 57$$

Similarly

$$K + I + T + E = 11 + 9 + 20 + 5 = 45, 45 \times 2 + 1 = 91$$

Hence, "91" is the correct answer.

3. Answer: d

Explanation:

Pattern followed is:

$$16 \times 1.5 = 24$$

$$24 \times 1.5 = 36$$

$$36 \times 1.5 = 54$$

$$54 \times 1.5 = 81$$

Hence, "54" is the correct answer.

4. Answer: d

Explanation:

Pattern followed is:

$$2^{\text{nd}} \text{ term} + 3^{\text{rd}} \text{ term} = 1^{\text{st}} \text{ term}$$

$$312 \rightarrow 1 + 2 = 3$$

$$523 \rightarrow 2 + 3 = 5$$

$$734 \rightarrow 3 + 4 = 7$$

$$953 \rightarrow 5 + 3 = 8 \neq 9$$

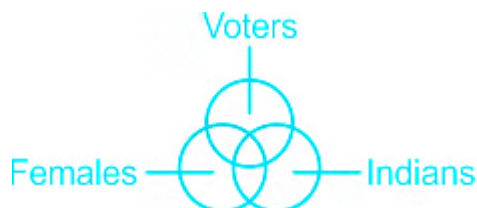
Hence, "953" is the correct answer.

5. Answer: c

Explanation:

Females can be Indians as well as voters.

And some voters also can be Indians.



Hence, option 3 is the correct answer.

6. Answer: b

Explanation:

Repeating series is "c a d b a b "

Complete series will be:

c a d b a b c a d b a b c a d b a b

Hence, the correct answer is "d c b c b"

7. Answer: a

Explanation:

The pattern followed here is:

$$(5, 24, 7) \rightarrow 7^2 - 5^2 = 49 - 25 = 24$$

$$(9, 63, 14) \rightarrow 14^2 - 9^2 \neq 63$$

$$(10, 71, 13) \rightarrow 13^2 - 10^2 \neq 71$$

$$(8, 80, 12) \rightarrow 12^2 - 8^2 = 144 - 64 = 80$$

Hence, (8, 80, 12) is the correct answer.

8. Answer: c

Explanation:

$$MLKP \rightarrow M - 1 = L, L - 1 = K.$$

$$XVWZ \rightarrow X - 2 = V, V + 1 = W.$$

$$TSRN \rightarrow T - 1 = S, S - 1 = R.$$

$$DCBZ \rightarrow D - 1 = C, C - 1 = B.$$

Hence, XVWZ is the odd one out.

9. Answer: c

Explanation:

Pattern followed is:

$$17 - 5 = 12, 12 - 5 = 7$$

Constant difference is there.

$$39 - 11 = 28, 28 - 11$$

$$15 + 4 = 19, 19 + 4 = 23$$

$$23 + 9 = 32, 32 + 9$$

$$42 - 8 = 34, 34 - 8$$

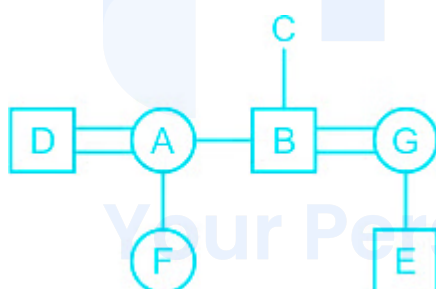
Hence, (15, 19, 23) is the correct answer.

10. Answer: a

Explanation:

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

Tree diagram:



Hence, E is the nephew of D.

11. Answer: b

Explanation:



Hence, option 2 is the correct answer.

12. Answer: c

Explanation:

The logical sequence is:

Infant – Child – Education – Employment – Marriage

Hence, (3, 1, 5, 4, 2) is the correct order.

13. Answer: d

Explanation:

Pattern followed is:

Whole figure is Rotated by 45° in anticlockwise direction after each step.

Symbols inside figure are interchanging positions after each step.

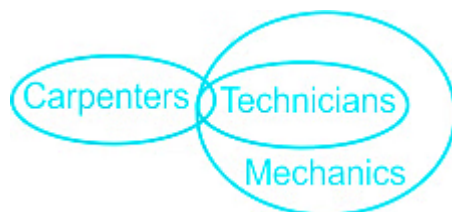
Hence, **Your Personal Exams Guide**



is the answer.

14. Answer: b

Explanation:



I. Some carpenters are mechanics → True

II. Some mechanics are technicians → True

III. All carpenters are mechanics → False (It is a case of possibility but not definitely true)

Hence, Only conclusions I and II follow.

15. Answer: a

Explanation:

Interchanging + and -

$$24 + 12 \div 4 - 8 \times 2 = 24 + 3 - 16$$

$$27 - 16 = 11$$

Interchanging + and ×

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

$$24 - 24 + 2 \neq 11$$

Interchanging - and ÷

$$24 \div 12 - 4 + 8 \times 2 = 2 - 4 + 16$$

$$-2 + 16 \neq 11$$

Interchanging + and $\div$

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

$$12 + 1 \neq 11$$

Hence, by interchanging + and - we get the correct equation.

16. Answer: c

Explanation:

$$\text{Total of 9 numbers} = 9 \times 40 = 360$$

$$\text{Total of first 5 numbers} = 5 \times 38 = 190$$

$$\text{Total of last 5 numbers} = 5 \times 50 = 250$$

$$\text{Total of 10 numbers} = 250 + 190 = 440$$

$$\text{Now 5}^{\text{th}} \text{ term} = 440 - 360 = 80.$$

Hence, 80 is the correct answer.

17. Answer: a

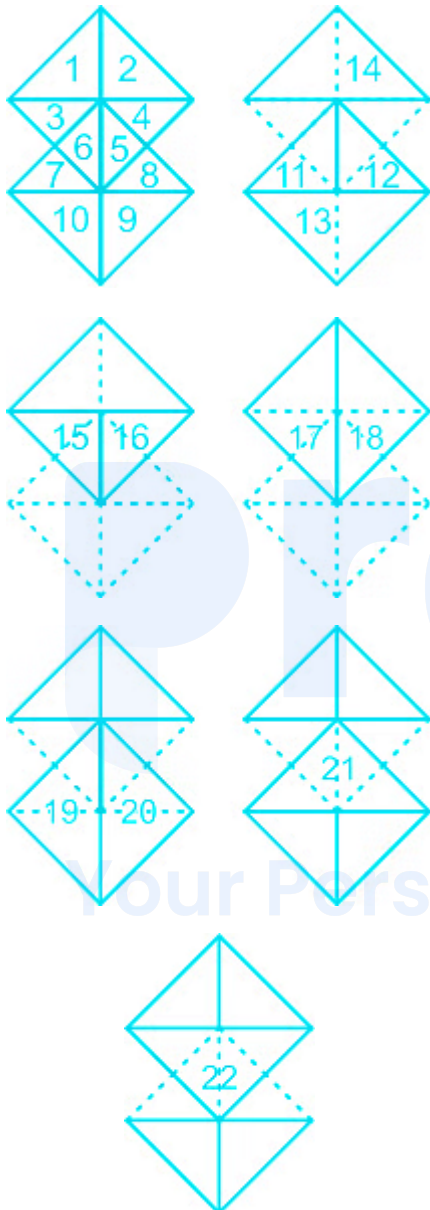
Explanation:



Hence, option 1 is the correct answer.

18. Answer: a

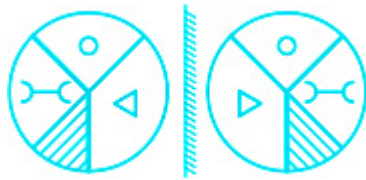
Explanation:



Hence, the correct answer is 22.

19. Answer: a

Explanation:



Hence, the correct answer is option 1.

20. Answer: d

Explanation:

Pattern followed is:

P A S T E U R
T P R U A S E

Similarly

S E V E N T Y
E S Y T E V N

Hence, the correct answer is "ESYTEVN".

21. Answer: a

Explanation:

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

(D, W) (G, T) (I, R) (L, O) are reverse alphabetical pairs.

Similarly,

(F, U) (H, S) (K, P) (M, N) are reverse alphabetical pairs.

Hence, "USPN" is the correct answer.

22. Answer: c

Explanation:

In 1st cube we see that 1 and 3 are adjacent to 4.

In 2nd cube we see that 2 and 6 are adjacent to 4.

Only remaining number 5 will be on opposite side of 4.

Hence, when 5 is at bottom 4 will be on top.

23. Answer: c

Explanation:

Study of the Earth is called Geology.

And Earth is a rock.

Similarly,

Cytology is the study of Cells.

Hence, "cells" is the correct answer.

24. Answer: c

Explanation:

Hinder means to restrict or prevent, Arrest and Impede are synonyms of the same.

Hence, Steal is odd among them.

25. Answer: b

Explanation:

Commodity Exchange is related with exchange of commodity.

Similarly,

Correspondence is exchange of letter.

Hence, "Correspondence : letter" is the correct answer.

26. Answer: c

Explanation:

- In a periodic table, lanthanoide or lanthanide are the series of chemical elements from atomic number 57 to 71 or from lanthanum to lutium .
- The lanthanoide elements have similar chemical properties and collectively they are called rare earth elements .
- The elements of this group are called lanthanides because their chemical properties are similar to lanthanum .

- Cerium , on second position of the lanthanoid series with atomic number 58 having masses 140.12 .
-

27. Answer: a

Explanation:

- **Special Olympics** , worldwide program to furnish people with intellectual **inabilities** who are **eight years old** or **more** seasoned with all year sports preparing and athletic challenge in excess of **20 Olympic-type summer and winter sports** .
 - Special Olympics was **inaugurated in 1968** and it was **officially recognized on February 15, 1988** .
 - It's International **headquarters are in Washington, D.C** .
 - It held **every two years alternating between winter and summer sports** and each **lasting for nine days** .
-

28. Answer: d

Explanation:

- The Central Board of Secondary Education (CBE) has declared that they will **introduce Artificial Intelligence (AI), Early Childhood Care Education (ECCE), and Yoga as skill subject** in all CBSE-affiliated schools curriculum for the academic session 2019-20.
 - AI will be introduced as **an optional sixth subject** for Class IX **whereas ECCE and Yoga are being introduced as elective subjects at senior secondary level** .
 - The **significance of Artificial Intelligence (AI)** has gain much importance in the last few years and a number of countries are striving to stay ahead with their policy initiatives to get their country ready.
-

29. Answer: d

Explanation:

- Gauri Lankesh was a **journalist-turned-social activist** from Bangalore, Karnataka.
- She was **posthumously honored with Anna Politkovskaya Award 2017** for speaking against right-wing Hindu extremism, campaigning for women's rights and opposing caste based discrimination.
- She was **shot dead** by assailants outside her home in Rajarajeshwari Nagar on 5 September 2017.
- The **Anna Politkovskaya Award** was established in 2006 **to remember** and **honor** the Russian campaigning journalist Anna Politkovskaya, murdered in Moscow on October 7, 2006 in order to silence her reporting about the **war in Chechnya**.

30. Answer: a

Explanation:

- The **Sunda Strait** is located between the Indonesian islands **Java** and **Sumatra**.
- Sunda Strait is dotted by a number of islands and it connects the **Java Sea to the Indian Ocean**.
- Many of islands in Sunda Strait have a **volcanic in origin**.
- The **name of this strait** came after the **Sunda Kingdom** that ruled the west part of the Java.

31. Answer: c

Explanation:

- The **fifth edition** of three-day **Global Business Summit 2019** was held in **New Delhi** from 22nd February 2019.

- The Global Business Summit was **launched on 15 January 2015** and it is a flagship initiative of the **Times Group** .
- The **aim** of the Global Business Summit is **to provide solutions to key microeconomic issues** being faced in the current context and put forth a blueprint **for sustainable development** .

32. Answer: d

Explanation:

Prepp

Your Personal Exams Guide

Passes	Significance (connects)	Location
Shipki La	Himachal Pradesh and Tibet	- Elevation: 6000 m - Remains closed in the winter season (Nov – Apr)
Muling La	Uttarakhand and Tibet	situated in the north of Gangotri at an elevation of 5669 m in the Great Himalayas
Zoji La	The important road link between Srinagar on one side and Kargil and Leh on the other side	- The road passing through this pass has been designated at the National Highway (NH-1D) - Border Road Organisation (BRO) is responsible for maintaining the road and cleaning it off the snow during winter. In spite of all these efforts, the road through this pass remains closed from December to mid-May
Bara Lacha La	Himachal Pradesh and Jammu and Kashmir	- Elevation: 4,890 m - The national highway connecting Mandi in Himachal Pradesh with Leh in Jammu and Kashmir passes through this pass. Being situated at high altitude, it remains snow-covered in winter and is not used as a transport route.

33. Answer: a

Explanation:

- Safdarjung's Tomb is a **late Mughal Empire** style tomb built for Nawab Safdarjung in the year 1754 .
- It is **made of sandstone and marble** has domed structured of arched red-brown and white colour located near the **Safdarjung airport** in Delhi .
- Safdarjung was the **Nawab of Oudh** , and also he was a **prime minister** of the **Mughal Empire** (Wazir ul-Mamlak-i-Hindustan) **when Ahmed Shah Bahadur ascended the throne** in 1748 .

34. Answer: b

Explanation:

- Shah Jahan, the actual name **Khurram** , was the **second son of Jahangir** and he **succeeded the throne** in 1628 .
- He further **expanded his Empire** to **Kandhar** in the north and conquered **most of Southern India** .
- The Mughal Empire **was at its zenith** during Shah Jahan's rule.
- During his reign, the world witnessed the **unique development of arts and culture of the Mughal Empire** .
- **Shah Jahan** also has been called the " **architect king** " .
- The **Red Fort** and the **Jama Masjid** , both in Delhi, stand out as towering achievements of both **civil engineering** and **art** .
- Shah Jahan is remembered today for the **Taj Mahal** , the massive white marble mausoleum constructed **for his wife Mumtaz Mahal** along the banks of the **Yamuna River** in **Agra** .

35. Answer: a

Explanation:

- Aurangzeb, the **son of Shah Jahan**, ascended the throne in 1658 and ruled till the year 1707 .
 - He almost equal the tally of **50 years ruled by Akbar** .
 - He is known for his **ambition of bringing the entire Sub-continent under one rule** .
 - During his rule, Mughal empire was **in peak in terms of the area** under the Mughal empire.
 - **Aurangzeb died in the year 1707** at the age of 90 years.
-

36. Answer: d

Explanation:

- A budget deficit is **a situation where the expenditure of the government exceeds the revenue** generated by the government.
 - A budget deficit **reflects the financial health of a country** .
 - In the case of the budget deficit, the **current expenses by the government exceed the amount of income received** through standard operations.
 - The **measures available** to a country to correct its budget deficit are:
 - The government can **cut its certain expenditures** ,
 - The government can **increase the volume of activities that can generate more revenue** ,
 - The government can apply **both of the measures simultaneously** .
-

37. Answer: b

Explanation:

- In the periodic table, **Actinoid element or the actinide element** , any of a series of **15 consecutive chemical elements** from actinium to lawrencium (atomic

numbers 89–103).

- As a group, Actinoid elements are significant largely because of their **property of being radioactive**.
- **Curium (Cm)**, a synthetic chemical element having atomic number 96 comes under the Actinoid series of the periodic table.
- **Actinoid elements are** actinium, thorium, protactinium, uranium, neptunium, plutonium, americium, curium, berkelium, californium, einsteinium, fermium, mendelevium, nobelium and lawrencium.

38. Answer: b

Explanation:

- **Hina Jaiswal ,flight lieutenant** , has created history by becoming the **first Indian woman flight engineer** .
- She achieved the feat after completing the prestigious **Flight Engineers' course 112 Helicopter Unit ,Air Force Station ,Yelahanka** .
- Commissioned on January 15, 2019, in the **engineering branch of the IAF** , she has served as **Chief of firing team** and **battery commander** in a frontline Surface to Air Missile squadron, before being selected for the prestigious Flight Engineers' Course.

Your Personal Exams Guide

39. Answer: a

Explanation:

- Dhamekh Stupa, built by the **Mauryan king Ashoka** , is located at **Sarnath** which is 13 km away from Varanasi.
- The Dhamekh Stupa is said to mark the place where **Buddha gave his first sermon his five disciples** after attaining enlightenment.
- The shape of the Dhamekh Stupa is **a solid cylindrical structure made of bricks and stone up to a height of 43.6 meters with a diameter of 28 meters** .

40. Answer: b

Explanation:

- Akbar, **son of Humayun**, was born in exile and **was throned at the age of 13 years** after the death of his father.
- Akbar is known for his actions during his rule and he was the Mughal ruler who **actually fortified the foundations of the Mughal Empire**.
- He set up a host of institutions that proved to be the foundation of an **administrative system** that operated even in British India.
- After ruling nearly about **50 years**, he **died in 1605** and was **buried outside of Agra at Sikandra Fort**.

41. Answer: d

Explanation:

- In the periodic table, **Mendeleev could not assign a correct position to Hydrogen**.
- This is considered as the **first limitation of the Mendeleev's periodic table** because:
 - Hydrogen has **1 valence electron** (electron in the outermost shell)
 - Hydrogen **belongs to halogen family** in which every element has **1 electron in the outermost shell**.
 - Hydrogen **does not have the properties of the halogen family**.
 - Hydrogen **also behaves as alkali metals**.
 - Due to so much confusion, **no fixed position can be given to hydrogen**.

42. Answer: b

Explanation:

- Superstats is a **combination of** stats metrics – **Luck Index ,Forecaster** and **Smart Stats** .
- It uses **data science** for the **first time** to give a context to every event in a game and also venture into new territories such as **luck and forecasting** .
- The metrics have been **derived from** ESPNcrinfo's rich ball-by-ball database and from complex algorithms developed by IIT Madras and **Gyan Data** , an IIT-M incubated company.

43. Answer: a

Explanation:

- **Mehr-un-Nissa** was the **twentieth and the last wife** of the Mughal emperor Jahangir.
- **Jahangir gave her the title of 'Nur Mahal '** ("Light of the Palace") in 1611 and ' **Nur Jahan '** ("Light of the World") five years later in 1616.
- Nur Jahan was considered the most powerful woman of the Mughal period.
- She was the **real force behind the Mughal throne** at that time.

44. Answer: a

Explanation:

- The British chemist **John Newland propounded the law of octave** in the year **1864** in which he **attempted 56 elements** known at that time.
- He arranged the available **elements in ascending order in terms of their atomic masses** that **every 8th element** had **similar physical and chemical properties** .
- He illustrated his experiment by comparing the **similarity between the elements to the octave of music** where **every eighth note** is comparable to the first .
- His experiment was **first based on the atomic number of each element** .

★ Additional Information

According to NCERT

- At the time of Newland Octaves
- It was assumed by Newlands that only 56 elements existed in nature and no more elements would be discovered in the future. But, later on, several new elements were discovered, whose properties did not fit into the Law of Octaves.

45. Answer: d

Explanation:

- The '**Law of Octaves**' was propounded by the **English chemist J.A.R. Newlands** in **1865**.
- The '**Law of Octaves**' states that if the chemical elements are **arranged according to increasing atomic weight**, those with **similar physical and chemical properties** occur **after each interval of seven elements**.
- J.A.R. Newlands was the **first to disclose a periodic pattern in the properties of the elements** and **anticipated later developments of the periodic law**.

46. Answer: d

Explanation:

- **Gina Nadira Miller, Brexit Campaigner**, named **UK's most influential black person of the year 2017**.
- She **won the Brexit legal battle against the government** and **challenged its authority to trigger Article 50** without parliamentary approval.
- The list of the **100 most influential people of African or African-Caribbean heritage in Britain** came into **afore** after **Powerful Media** published it in **October 2017**.

47. Answer: b

Explanation:

- The **power to summon and prorogue** either **House of Parliament** or to **dissolve the Lok Sabha** vests with the **President** .
- The Indian Constitution provides that the Parliament shall **consist of the President** and the **two houses** i.e. Council of States (Rajya Sabha) and the House of People (Lok Sabha).
- **Article 85 of the Constitution** empowers **President to summon each House of the Parliament** as he/she thinks fit.
- The President can summon the houses **at intervals not be more than six month's gap between the two sessions** .
- It is **mandatory** to Parliament **meet at least twice a year** as per the Constitution of India.

48. Answer: c

Explanation:

- In India, the **supreme legislative organ of the union of India** is **Parliament** .
- As per the Indian Constitution, **India is a Parliamentary Democracy** .
- Parliament of India is made from **Lok Sabha, Rajya Sabha and President** .
- **Articles 79-122 of the Indian Constitution** deal with the **composition, powers and procedures of the Parliament of India** .

49. Answer: d

Explanation:

- The **Global Teacher Prize** is a **US \$1 million award** presented annually to an exceptional teacher who has made an outstanding contribution to their

profession .

- The Global Teacher Prize **serves to underline the importance of educators** and the fact that **their efforts deserve to be recognised and celebrated throughout the world** .
- It seeks to acknowledge the impacts of the very best teachers – not only on their students but on the communities around them.
- **Swaroop Rawal** born on November 03, 1958 and **earned fame as an actor** .
- She **won the Miss India contest in 1979** .
- Currently, she is **teaching at Lavad Primary School in Gujarat** .

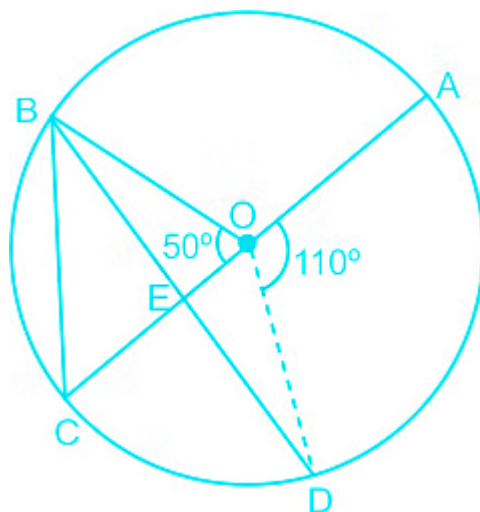
50. Answer: b

Explanation:

- A nautical mile is a unit of measurement used for measuring both **marine navigation** and **air** .
- It is also used **for defining territorial waters** and which can be defined as one minute ($1/60$ of a degree) of latitude along any line of longitude.
- As per the **international standard, a nautical mile is equal to 1852 meters** .
- There are internationally accepted various abbreviations used for the nautical mile by different organizations and agencies are **M, NM, nm, nmi and nq** .

51. Answer: a

Explanation:



As we know

The angle subtended by an arc at the centre of a circle is double the size of the angle subtended by the same arc at the circle circumference

$$\Rightarrow \angle BOC = 2 \angle BAC$$

$$\Rightarrow \angle BAC = 50^\circ / 2 = 25^\circ$$

Similarly,

$$\Rightarrow \angle AOD = 2 \angle ABD$$

$$\Rightarrow \angle ABD = 110^\circ / 2 = 55^\circ$$

In $\triangle ABE$

$$\Rightarrow \angle BAE + \angle ABE + \angle BEA = 180^\circ$$

$$\Rightarrow \angle BEA = 180^\circ - 25^\circ - 55^\circ = 100^\circ$$

$$\Rightarrow \angle BEC = 180^\circ - \angle BEA = 180^\circ - 100^\circ = 80^\circ$$

52. Answer: a

Explanation:

Mean proportional of 4.8 and 10.8

$$\Rightarrow 4.8 : x :: x : 10.8$$

$$\Rightarrow 4.8/x = x/10.8$$

$$\Rightarrow x^2 = 4.8 \times 10.8$$

$$\Rightarrow x = \sqrt{(4.8 \times 10.8)} = 7.2$$

Third proportional of 0.4 and 2.4

$$\Rightarrow 0.4 : 2.4 :: 2.4 : x$$

$$\Rightarrow 0.4/2.4 = 2.4/x$$

$$\Rightarrow x = (2.4 \times 2.4)/0.4$$

$$\Rightarrow x = 14.4$$

$$\text{Required ratio} = 7.2 : 14.4 = 1 : 2$$

53. Answer: a

Explanation:

Let the speed of B is x km/h. So, the speed of A will be $(x + 25)$ km/h.

According to the question

$$\Rightarrow 250/x - 300/(x + 25) = 4$$

Short trick :

Go through options, check option A

Speed of A = 50 km/h and speed of B = 25 km/hr

$$\Rightarrow 250/25 - 300/50 = 4$$

$$\Rightarrow 10 - 6 = 4$$

$\Rightarrow 4 = 4$ (Satisfies the given condition)

Detailed solution :

$$250/x - 300/x + 25 = 4$$

$$\Rightarrow [250(x + 25) - 300x]/x(x + 25) = 4$$

$$\Rightarrow (250x + 6250 - 300x)/(x^2 + 25x) = 4$$

$$\Rightarrow 4x^2 + 100x = -50x + 6250$$

$$\Rightarrow 4x^2 + 150x - 6250 = 0$$

$$\Rightarrow x = 25 \text{ or } x = -125/2$$

54. Answer: d

Explanation:

Average of type A cars during five years = $(46 + 53 + 56 + 58 + 67)/5 = 280/5 = 56$

Total production of type C cars in during five years = $43 + 54 + 55 + 47 + 51 = 250$

Required percentage = $[56/250] \times 100 = 22.4\%$

55. Answer: c

Explanation:

11 digit number 5y5884805x6 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

$\Rightarrow 5y5884805x6$ is divisible by 8 if $x = 7$

$\Rightarrow 5y588480576$ is divisible by 9 if $y = 7$

$\Rightarrow \sqrt{(xy)} = \sqrt{(7 \times 7)} = 7$

56. Answer: a

Explanation:

$$\Rightarrow 4x^2 - 6x + 1 = 0$$

Divide by $2x$

$$\Rightarrow 2x - 3 + (1/2x) = 0$$

$$\Rightarrow 2x + 1/2x = 3$$

As we know,

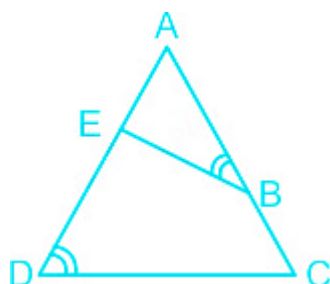
$$\Rightarrow x^3 + y^3 = (x + y)^3 - 3xy(x + y)$$

$$\Rightarrow (2x)^3 + (1/2x)^3 = (2x + 1/2x)^3 - 3(2x + 1/2x)$$

$$\Rightarrow 8x^3 + (8x)^{-3} = 3^3 - 3 \times 3 = 27 - 9 = 18$$

57. Answer: b

Explanation:



Given, $AE = 6$ cm, $BC = 2$ cm, $BE = 3$ cm and $CD = 5$ cm

$\angle ABE = \angle ADC$, $\angle EAB = \angle CAD$ (common) and $\angle AEB = \angle ACD$

Now, we can say, $\triangle ABE$ similar to $\triangle ADC$

$$\Rightarrow \frac{AE}{AC} = \frac{EB}{DC}$$

$$\Rightarrow \frac{6}{AC} = \frac{3}{5}$$

$$\Rightarrow AC = 10 \text{ cm}$$

$$\Rightarrow AC = AB + BC$$

$$\Rightarrow 10 = AB + 2$$

$$\Rightarrow AB = 10 - 2 = 8 \text{ cm}$$

$$\Rightarrow \frac{AB}{AD} = \frac{EB}{DC}$$

$$\Rightarrow AD = \frac{5}{3} \times 8$$

$$\Rightarrow AD = \frac{40}{3}$$

$$\Rightarrow AD = AE + DE$$

$$\Rightarrow \frac{40}{3} = 6 + DE$$

$$\Rightarrow DE = \frac{40}{3} - 6 = \frac{22}{3}$$

$$\Rightarrow AB + DE$$

$$\Rightarrow 8 + \frac{22}{3}$$

$$\Rightarrow 46\frac{2}{3} \text{ cm}$$

58. Answer: c

Explanation:

Average of twelve numbers = 55.5

$$\Rightarrow \text{Sum of twelve numbers} = 55.5 \times 12 = 666$$

Average of the first four numbers = 53.4

$$\Rightarrow \text{Sum of the first four numbers} = 53.4 \times 4 = 213.6$$

Average of next four numbers = 54.6

$$\text{Sum of next four numbers} = 54.6 \times 4 = 218.4$$

$$\text{Sum of 9}^{\text{th}}, 10^{\text{th}}, 11^{\text{th}} \text{ and } 12^{\text{th}} \text{ number} = 666 - 213.6 - 218.4 = 234$$

Let 10^{th} number be x .

$$\Rightarrow 9^{\text{th}} \text{ number} = x - 3$$

$$\Rightarrow 11^{\text{th}} \text{ number} = x + 2$$

$$\Rightarrow 12^{\text{th}} \text{ number} = x + 3$$

According to the Question

$$\Rightarrow x + (x - 3) + (x + 2) + (x + 3) = 234$$

$$\Rightarrow x = 58$$

$$10^{\text{th}} \text{ number} = 58$$

$$12^{\text{th}} \text{ number} = 58 + 3 = 61$$

$$\therefore \text{Average of } 10^{\text{th}} \text{ and } 12^{\text{th}} \text{ number} = (61 + 58)/2 = 119/2 = 59.5$$

59. Answer: a

Explanation:

As we know, $A = P (1 + r/100)^t$

$$\Rightarrow A = 20,736, P = 12,000, t = 3$$

$$\Rightarrow 20736 = 12000 (1 + r/100)^3$$

$$\Rightarrow (1 + r/100)^3 = 20736/12000$$

$$\Rightarrow \left(1 + \frac{r}{100}\right) = \sqrt[3]{\left(\frac{1728}{1000}\right)}$$

$$\Rightarrow 1 + r/100 = 12/10$$

$$\Rightarrow r = 20\%$$

$$\Rightarrow A = 12000(1 + 20/100)^2$$

$$\Rightarrow A = 12000 \times 6/5 \times 6/5$$

$$\Rightarrow A = 17280$$

Short trick

For three years

$$\Rightarrow \sqrt[3]{12000} : \sqrt[3]{20736}$$

$$\Rightarrow 10 : 12$$

For two years

$$\Rightarrow (10)^2 : (12)^2$$

$$\Rightarrow 100 : 144$$

$$\Rightarrow 100 \text{ unit} = 12000$$

$$\Rightarrow 144 \text{ unit} = 17280$$

60. 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.

$$\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9} \text{ of } 1\frac{1}{5} + \frac{2}{23} \times 3\frac{5}{6} \div \frac{2}{7} \text{ of } 2\frac{1}{3}$$

$$\Rightarrow \frac{3}{4} \times \frac{8}{3} \div \frac{5}{9} \times \frac{6}{5} + \frac{2}{23} \times \frac{23}{6} \div \frac{2}{7} \times \frac{7}{3}$$

$$\Rightarrow \frac{3}{4} \times \frac{8}{3} \div \frac{2}{3} + \frac{2}{23} \times \frac{23}{6} \div \frac{2}{3}$$

$$\Rightarrow \frac{3}{4} \times \frac{8}{3} \times \frac{3}{2} + \frac{2}{23} \times \frac{23}{6} \times \frac{3}{2}$$

$$\Rightarrow 3 + 1/2 = 3.5$$

61. Answer: d

Explanation:

$$\frac{\tan\theta + \sin\theta}{\tan\theta - \sin\theta} = \frac{k+1}{k-1}$$

Using Dividendo and Componendo

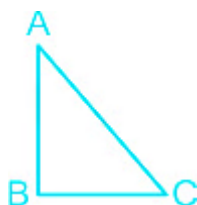
$$\Rightarrow \frac{\tan \theta}{\sin \theta} = \frac{k}{1}$$

$$\Rightarrow \frac{\sin \theta}{\cos \theta} \times \frac{1}{\sin \theta} = k$$

$$\Rightarrow k = \sec \theta$$

62. Answer: c

Explanation:



Given, $AB = 7$

Let BC be x cm

$$\Rightarrow AC - BC = 1$$

$$\Rightarrow AC = 1 + BC$$

$$\Rightarrow AC = 1 + x$$

In $\triangle ABC$

$$\Rightarrow (AC)^2 = (AB)^2 + (BC)^2 \text{ [Pythagoras theorem]}$$

$$\Rightarrow (x + 1)^2 = 7^2 + x^2$$

$$\Rightarrow x^2 + 1 + 2x = 49 + x^2$$

$$\Rightarrow x = 24 \text{ cm}$$

$$\Rightarrow BC = 24$$

$$\Rightarrow AC = 24 + 1 = 25$$

$$\Rightarrow \sec C = (\text{Hypotenuse} / \text{side adjacent to angle C}) = AC/BC = 25/24$$

$$\Rightarrow \cot A = (\text{Side adjacent to angle A} / \text{Side opposite to angle A}) = AB/BC = 7/24$$

$$\Rightarrow \sec C + \cot A$$

$$\Rightarrow 25/24 + 7/24$$

$$\Rightarrow 4/3$$

63. Answer: a

Explanation:

$$\Rightarrow 3\sin\theta = 2\cos^2\theta$$

$$\Rightarrow 3\sin\theta = 2(1 - \sin^2\theta)$$

$$\Rightarrow 3\sin\theta = 2 - 2\sin^2\theta$$

$$\Rightarrow 2\sin^2\theta + 3\sin\theta - 2 = 0$$

$$\Rightarrow 2\sin^2\theta + 4\sin\theta - \sin\theta - 2 = 0$$

$$\Rightarrow 2\sin\theta(\sin\theta + 2) - 1(\sin\theta + 2) = 0$$

$$\Rightarrow (2\sin\theta - 1)(\sin\theta + 2) = 0$$

$$\Rightarrow \sin\theta + 2 = 0$$

$$\Rightarrow \sin\theta = -2 \text{ (not possible)}$$

$$\Rightarrow 2\sin\theta - 1 = 0$$

$$\Rightarrow \sin\theta = 1/2$$

$$\Rightarrow \theta = 30^\circ$$

$$\Rightarrow \tan^2\theta + \sec^2\theta - \operatorname{cosec}^2\theta$$

$$\Rightarrow \tan^2 30^\circ + \sec^2 30^\circ - \operatorname{cosec}^2 30^\circ$$

$$\Rightarrow (1/\sqrt{3})^2 + (2/\sqrt{3})^2 - 2^2$$

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

$$\Rightarrow (1 + 4 - 12)/3$$

$$\Rightarrow -7/3$$

64. Answer: c

Explanation:

Total production of type B cars in 2015 and type D cars in 2016 = $66 + 74 = 140$

Total production of type E cars in five years = $48 + 58 + 63 + 64 + 67 = 300$

Required percentage = $[(300 - 140)/300] \times 100 = 53\frac{1}{3}$

65. Answer: d

Explanation:

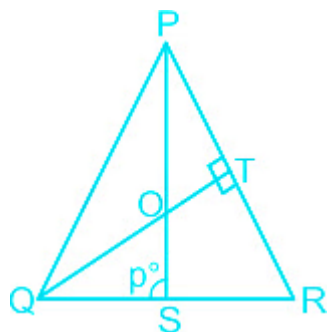
Average of type C cars and D cars in 2012 = $43 + 47 = 90$

Production of type A cars in 2014 and type E cars in 2015 = $56 + 64 = 120$

Required ratio = $90 : 120 = 3 : 4$

66. Answer: d

Explanation:



Suppose QT and PS intersecting at point O.

Given, $\angle PSQ = P^\circ$, and $\angle TQR = 46^\circ$

$\angle SPR = 32^\circ$ and $\angle QTP = 90^\circ$

In ΔPOT ,

$$\Rightarrow \angle P + \angle O + \angle T = 180$$

$$\Rightarrow \angle O = 180^\circ - 32^\circ - 90^\circ = 58^\circ$$

$$\Rightarrow \angle POT = \angle QOS = 58^\circ \text{ (Vertically opposite angle)}$$

In ΔQOS

$$\Rightarrow \angle O + \angle Q + \angle S = 180^\circ$$

$$\Rightarrow P^\circ = 180^\circ - 46^\circ - 58^\circ = 76^\circ$$

67. Answer: a

Explanation:

$$\Rightarrow a^2 + b^2 + c^2 + 27 = 6(a + b + c)$$

$$\Rightarrow a^2 + b^2 + c^2 + 27 - 6a - 6b - 6c = 0$$

$$\Rightarrow (a^2 - 2 \times a \times 3 + 3^2) + (b^2 - 2 \times b \times 3 + 3^2) + (c^2 - 2 \times c \times 3 + 3^2) = 0$$

$$\Rightarrow (a - 3)^2 + (b - 3)^2 + (c - 3)^2 = 0$$

$$\Rightarrow (a - 3)^2 = 0$$

$$\Rightarrow a = 3$$

$$\Rightarrow (b - 3)^2 = 0$$

$$\Rightarrow b = 3$$

$$\Rightarrow (c - 3)^2 = 0$$

$$\Rightarrow c = 3$$

$$\sqrt[3]{a^3 + b^3 - c^3}$$

$$\Rightarrow \sqrt[3]{3^3 + 3^3 - 3^3}$$

$$\Rightarrow \sqrt[3]{3^3}$$

$$\Rightarrow 3$$

68. Answer: a

Explanation:

Let the income of B be $100x$.

$$\therefore \text{Income of A} = 100x \times [140/100] = 140x$$

$$\text{New income of A} = 140x \times [125/100] = 175x$$

$$\text{New income of B} = 100x \times [140/100] = 140x$$

$$\text{Total income (A + B) after increment} = 175x + 140x = 315x$$

$$\text{Total income of A and B before increment} = 100x + 140x = 240x$$

$$\Rightarrow \text{Required percentage} = [(315x - 240x)/240x] \times 100 = 31.25\%$$

69. Answer: c

Explanation:

Given,

Curved surface area of cylinder $2\pi rh = 264 \text{ cm}^2$

Volume of cylinder $\pi r^2 h = 924 \text{ cm}^3$

$$\Rightarrow \pi r^2 h = 924 \text{ cm}^3$$

$$\Rightarrow 2\pi rh \times r = 924 \times 2$$

$$\Rightarrow 264 \times r = 924 \times 2$$

$$\Rightarrow r = (924 \times 2) / 264$$

$$\Rightarrow r = 7 \text{ cm}$$

Curved surface area of cylinder $= 2\pi rh = 264 \text{ cm}^2$

$$\Rightarrow 2 \times (22/7) \times 7 \times h = 264$$

$$\Rightarrow h = 6$$

Ratio of radius to height of cylinder = 7 : 6



Alternative Method to find the Radius

Volume of cylinder / CSA of Cylinder $= 924 / 264 = 3.5$

$$\Rightarrow \pi r^2 h / 2\pi rh = 3.5$$

$$\Rightarrow r = 7 \text{ cm}$$

70. Answer: c

Explanation:

Total production of type B cars = $50 + 65 + 67 + 66 + 72 = 320$ thousand

Production of type B cars in 2016 = 72 thousand

320 thousand represent = 360°

72 will represent = $[360^\circ/320] \times 72 = 81^\circ$

71. Answer: c

Explanation:

Ratio of efficiency of A, B and C = $7 : 3 : 5$

Total work = $(7 + 3 + 5) \times 21 = 15 \times 21 = 315$ days

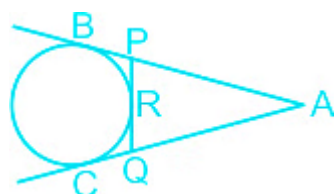
Work done by A and C in 15 days = $(7 + 5) \times 15 = 12 \times 15 = 180$

Remaining work = $315 - 180 = 135$

Remaining work B will complete in $135/3 = 45$ days

72. Answer: a

Explanation:



As we know,

$AB = AC$ (tangents)

Similarly, $PB = PR$ and $RQ = QC$

Perimeter of triangle = $AP + PQ + AQ$

$$AP + PR + RQ + AQ = 30 \quad [\because PQ = PR + RQ]$$

$$AP + PB + QC + AQ = 30 \quad [\because PR = PB \text{ and } RQ = QC]$$

$$AB + AC = 30 \quad [\because AB = AP + PB \text{ and } AC = AQ + QC]$$

$$2AB = 30 \quad [\because AB = AC]$$

$$AB = 15 \text{ cm}$$

73. Answer: c

Explanation:

MP of the article = 550

SP of the article after 20% discount = $550 \times [80/100] = 440$

CP of the article = $440 \times [100/110] = 400$

If he sells the article for 470, then

Required profit percent = $[(470 - 400)/400] \times 100 = 17.5\%$

74. Answer: b

Explanation:

$$x + y + z = 0$$

This is only one equation and three variables are asked so we can put $z = 0$

$$\Rightarrow x + y = 0$$

$$\Rightarrow x = -y$$

$$\Rightarrow (x^2 + y^2 + z^2) \div (z^2 - xy)$$

$$\Rightarrow [(-y)^2 + y^2] \div [-(-y)y]$$

$$\Rightarrow [y^2 + y^2] \div y^2$$

$$\Rightarrow 2y^2 \div y^2$$

$$\Rightarrow 2$$

75. Answer: b

Explanation:

Let the article was bought at Rs. $100x$

Article sold at 30% loss, then SP of the article = $100x \times [70/100] = 70x$

With $70x$, he bought another article and sold is at a 60% profit, then

SP of another article = $70x \times [160/100]$

$\therefore$ Required profit percentage = $[(112x - 100x)/100x] \times 100 = 12\%$

76. Answer: c

Explanation:

The correct answer is option 3.

Sacred means connected with God or dedicated to a religious purpose and so deserving veneration.

*For eg; Only the priest was allowed to visit the **sacred** place.*

Profound means **very great or intense**.

Perpetual means **never ending or changing**.

Profane means **not relating to that which is sacred or religious; secular**.

*For eg; The talk tackled topics that were both sacred and **profane**.*

It is clear that **sacred and profane are antonyms**.

Pious means **are devoutly religious**.

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

77. Answer: c

Explanation:

The correct answer is option 3.

Notorious means **famous or well known, typically for some bad quality or deed**.

*For eg; This place is **notorious** for its smog.*

Infamous means **well known for some bad quality or deed**.

Vicious means **deliberately cruel or violent**.

Reputable means **known by many people, usually for something good; having a good reputation; honorable; respectable**

It is clear that **notorious and reputable are antonyms**.

Disgraceful is **not suitable in the present context**.

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

78. Answer: a

Explanation:

The correct answer is option 1.

Contemporaries means a person or thing living or existing at the same time as another.

It is clear that **contemporaries** is the exact word as the sentence means that Charles Dickens had a different style of writing than most of the people of his time.

Critics means a person who judges the merits of literary or artistic works, especially one who does so professionally.

Confidants means a person with whom one shares a secret or private matter, trusting them not to repeat it to others.

Cronies means a close friend or companion.

So, options 2,3 and 4 are incorrect.

79. Answer: a

Explanation:

The correct answer is philistine

★ Key Points

- **Philistine** means a person who is hostile or indifferent to culture and the arts.
- It is clear that **philistine** is the most appropriate word.
 - **Philanderer** means a man who readily or frequently enters into casual sexual relationships with women; a womanizer.
 - **Scientist** means a person who is studying or has expert knowledge of one or more of the natural or physical sciences.

- **Cynic** means a person who believes that people are motivated purely by self-interest rather than acting for honourable or unselfish reasons.
- So, options **2,3 and 4** are **incorrect**.

80. Answer: d

Explanation:

The correct answer is **traders visited Puducherry from the sixteenth century onwards**

★ Key Points

- In the given sentence, it is clear that the speaker is talking first about an event of the past that is being continued till date because the word **onwards** is used. So, the past form of the verb **visit** i.e. **visited** will be used.
- Also, **from** will be used in place of **in** because **from** is used to indicate initiation of an action which is the traders visiting Puducherry starting from the sixteenth century.
- You can use '**from**' when you are talking about the beginning of a period of time.

Examples:

- *She studied painting from 1926 and also worked as a commercial artist.*
- *Breakfast is available to fishermen from 6 a.m.*
- *From 1922 till 1925 she lived in Prague.*
- You can use '**in**' to refer to something happens in a particular year, month, or other period of time, it happens during that time.

Example:

- *Export orders improved in the last month.*
- Also, **from** will be used in place of **in** because **from** is used to indicate initiation of an action which is the traders visiting Puducherry starting from the sixteenth century.

The correct sentence would be " *Though many European **traders visited Puducherry from the sixteenth century onwards**, what remains today is a relic of its French past.*"

81. Answer: d

Explanation:

The correct answer is hurt intensely.

★ Key Points

- **Cut to the quick** means to **distress someone or injure someone emotionally** by the use of words or action.
- The given statement means that the loyal watchman was hurt emotionally when he was accused of theft.
- So, options **1,2, and 3** are **incorrect**.

82. Answer: d

Explanation:

The correct answer is ancient.

★ Key Points

- *Perhaps India should listen to her (1) **ancient** sages*
- **Initial** means **existing or occurring at the beginning**.
- **Antique** means **having a high value because of age and quality**.
- **Extinct** means **no longer in existence**.
- **Ancient** means **belonging to the very distant past and no longer in existence**.
 - It is clear that **ancient** will be used because the statement talks about **sages** that lived in the past.
- So, options **1,2 and 3** are **incorrect**.

83. Answer: a

Explanation:

The correct answer is martyr

★ Key Points

- **Martyr** means one who embraces voluntary death for the sake of one's country.
- **Fanatic** means a person filled with excessive and single-minded zeal, especially for an extreme religious or political cause.
- **Patriot** means a person who vigorously supports their country and is prepared to defend it against enemies or detractors.
- **Diplomat** means an official representing a country abroad.
- So, options 2,3, and 4 are incorrect.

84. Answer: a

Explanation:

The correct answer is option 1.

The first statement is B. *At first, all seemed still outside the house, except for the sound of the rain.* This is because the sentence begins with **at first** and out of all other statements, it clearly describes the starting of the situation described.

After B, it should be D *But then, footsteps approached the house and a stranger emerged out of the darkness* as it is in continuation with the first statement and describes the next event that takes place.

After D, it should be A, as the speaker gives a brief account of the stranger and then finally recognizes him in statement C.

The order is BDAC.

So, options 2,3 and 4 are incorrect.

85. Answer: b

Explanation:

The correct answer is of

★ Key Points

- *who taught the importance (2) **of** balance.*
- **By** is used to show how something is done.
 - *For eg; I went by train.*
- **Of** is used to show belonging, relation or connection.
 - *For eg; Read the first page of this book.*
 - It is clear that 'of' will be used as the statement means that the sages taught the importance 'of' balance. 'Sages' are connected with 'balance'.
- **For** is used to show purpose.
 - *For eg; I made this for you.*
- **In** is used to something enclosed within an area.
 - *For eg; She lives in London.*
- So, options 1,3, and 4 are **incorrect**.

86. Answer: a

Explanation:

The correct answer is versatile

★ Key Points

- **Meaning of the words given in the options are:**
 - **Virtuous** means having or showing high moral standards.
 - **Verbose** means using or expressed in more words than are needed.
 - **Voracious** means wanting or devouring great quantities of food.

Your Personal Exams Guide

- Versatile means able to adapt or be adapted to many different functions or activities.
- It is clear that versatile is the appropriate word as the subject is able to perform different roles.
- **So, options 2,3, and 4 are incorrect.**
- **Thus, the complete sentence is:** *She performs different roles very convincingly as she is a very **versatile** actor.*

87. Answer: c

Explanation:

The correct answer is or

★ Key Points

- (4) *or* be too radical
- You use **or** to link two or more alternatives.
 - **Example:** *Spread the inside of the loaf with olive paste or pesto sauce for extra flavour.*
- You use **but** to introduce something which contrasts with what you have just said, or to introduce something which adds to what you have just said.
- You use **so** to refer back to something that has just been mentioned.
- You use **otherwise** after stating a situation or fact, in order to say what the result or consequence would be if this situation or fact was not the case.
- Here we are linking two alternatives, so options **1,2 and 4** are **incorrect**.

88. Answer: d

Explanation:

The correct answer is option 4.

Living from hand to mouth means to **just have enough money to live on** and nothing extra.

The sentence means that most people just have enough money to live on for a particular day i.e they consume daily whatever little they earn.

So, options **1,2 and 3** are **incorrect**.

89. Answer: b

Explanation:

The correct answer is option 2.

*Most disputes can be solved amicably **unless one are** rigid.*

The singular noun **one** does not agree with the plural verb **are**. Instead of **are**, it should be **is**. A singular noun requires a singular verb whereas a plural noun requires a plural verb for subject-verb agreement in a sentence.

The correct sentence is -- *Most disputes can be solved amicably unless one is rigid.*

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

Your Personal Exams Guide

90. Answer: c

Explanation:

The correct answer is option 3.

*The India consensus study **highlights the benefits of adding** domestic violence prevention approaches to current government policy.*

The subject should agree with the verb in the sentence. **The study** is a singular noun so it will take the singular form of the verb i.e **highlights**.

A is used when we are referring to a group in general but **the** is used when we are talking about a specific thing. So, **the** should come before **benefits**. Also, **of** should be used instead of **by** because the study highlights what the benefits **of** adding the approaches.

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

91. Answer: b

Explanation:

The correct answer is option 2.

We saw her sitting in the last row.

The subject **she** will become the object while changing from passive to active voice. The given question contains **was seen sitting** which means that the active voice will be in the **past continuous tense**. So, we change the past participle form of the verb **seen** to the **simple past tense** i.e **saw** .

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

Your Personal Exams Guide

92. Answer: a

Explanation:

The correct answer is option 1.

Precarious means **not securely held or in position; dangerously likely to fall or collapse**.

*For eg; That ladder was **precarious**.*

Dangerous means **able or likely to cause harm or injury**.

*For eg; It looked like a **dangerous** animal.*

It is clear that **precarious** and **dangerous** are synonyms.

Valuable means **worth a great deal of money**.

Abundant means **existing or available in large quantities; plentiful**.

Premature means **occurring or done before the usual or proper time; too early**.

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

93. Answer: c

Explanation:

The correct answer is **maintenance**

★ Key Points

- The correct spelling is **maintenance**.
- The **maintenance** of a building, vehicle, road, or machine is the process of keeping it in good condition by regularly checking it and repairing it when necessary.
- **Example:** *The window had been replaced last week during routine **maintenance***

94. Answer: a

Explanation:

The correct answer is **Barren**

★ Key Points

- **Sterile** means too poor in quality to produce crops.
- **Barren** means too poor to produce much or any vegetation.
- **For eg;** *The plains were **barren***.

- It is clear that **sterile and barren** are synonyms.

★ Additional Information

- **Productive** means producing or able to produce large amounts of goods, crops, or other commodities.
- **Fecund** means producing or capable of producing an abundance of offspring or new growth; highly fertile.
- **Sordid** means involving immoral or dishonourable actions and motives; arousing moral distaste and contempt.
- So, options **2,3, and 4** are **incorrect**.

95. Answer: d

Explanation:

The correct answer is CBDA

★ Key Points

- The first statement is ***A bell can sound gloomy or cheerful depending on when it is rung*** because it mainly describes the topic which is going to be talked about in the following statements.
- After **C**, it should be **B** -- ***But for the students of St. Ambrose High School, it no longer dictates their day*** because, in the first statement, the bell and its sound have been described. So, the second statement is stating how the bell no more controls the day of students in St. Ambrose High School.
- After **B**, it should be **D** as it states that reason as to why the bell has been scrapped and it no more controls the day of students.
- **A** finally concludes, how students enjoy the bell being scrapped

Thus, the sentences when arranged will appear in the following way: *A bell can sound gloomy or cheerful depending on when it is rung. But for the students of St. Ambrose High School, it no longer dictates their day. It has been scrapped in favor of music which now breaks up the timetable of the school. The students often go about their business, singing along in the corridors.*

96. Answer: a

Explanation:

The correct answer is venturing

★ Key Points

- *The unfortunate results of (5) **venturing** – too far are obvious in environmental degradation.*
 - **Venturing** means **undertake a risky or daring journey or course of action.**
 - It is clear that **venturing** will be used as the statement means that the results of taking a risky course of action are obvious in environmental degradation.
- **Pioneering** means **involving new ideas or methods.**
- **Risking** means **expose (someone or something valued) to danger, harm, or loss.**
- **Climbing** means **to go or come up a (slope or staircase); ascend.**
- So, options 2,3, and 4 are incorrect.

97. Answer: a

Explanation:

The correct answer is option 1.

*In the northern suburbs of Bengaluru, home to the bulk of the information technology industry, the water crisis **is even worse***

The third degree of the adjective is used when a thing is surpassing all others in property or effect whereas the second degree is used when we do a comparison. In the given sentence, second degree of adjective should be used i.e **worse** instead of **worst** because it is preceded by the word **even** which means that the speaker is making a comparison with another place.

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

98. Answer: c

Explanation:

The correct answer is **Adolescence** .

★ Key Points

- The correct spelling is **Adolescence** and it means the period of your life in which you develop from being a child into being an adult .
- So, options **1,2 and 4** are **incorrect**.

*The correct choice is **option 3**.*

99. Answer: c

Explanation:

The correct answer is careful

★ Key Points

- *This means we should be (3) **careful** not to take anything too far*
- **Caretaker** means **a person employed to look after a building.**
- **Careless** means **not giving sufficient attention or thought to avoid harm or errors.**
- **Careful** means **making sure of avoiding potential danger, mishap, or harm; cautious.**
 - It is clear that **careful** will be used as the sentence means that we should be cautious about not taking anything too far.
- **Carefree** means **free from anxiety or responsibility.**
- So, options **1,2 and 4** are **incorrect**.

100. Answer: a

Explanation:

The correct answer is option 1.

The fort will have been seized by the enemy before nightfall.

The given sentence is in future perfect tense identified by **will have**. Firstly, we interchange the subject and the object while converting it to the passive form. **The fort** will become the subject and the **enemy** will become an object in the passive voice. Also, **been** will be added according to the rules.

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

Prepp

Your Personal Exams Guide