



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 (04-Jun-2019) (Shift 2)

Total Time: 1 Hour

Total Marks: 200

Instructions

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

- 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. Three of the following four letter - clusters are alike in a certain way and one is different. Select the odd one out. (+2, -0.5)
- a. MPNO
 - b. TWUV
 - c. DGEF
 - d. HNLJ
-
2. P is the father of Q and the grandfather of R. R is the brother of S. S's mother, T, is married to V. T is the sister of Q. How is V related to P? (+2, -0.5)
- a. Son
 - b. Brother-in-law
 - c. Nephew
 - d. Son-in-law
-
3. Three of the following four words are alike in a certain way and one is different. Select the odd word out. (+2, -0.5)
- a. Perseverance
 - b. Firmness
 - c. Tenacity
 - d. Tendency

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. 56
b. 12
c. 30
d. 14

5. In a code language, TEMPLE is written as DKOLDS. How will WORSHIP be written as in that language? (+2, -0.5)

a. VNQGHOR
b. OHGRQNV
c. QJITSPX
d. OGHQRVN

6. Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom? (+2, -0.5)



a. 2
b. 4
c. 1

d. 3

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)

(7, 13, 21)

a. (2, 8, 16)

b. (9, 16, 25)

c. (17, 22, 30)

d. (12, 18, 25)

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

1. Medicine

2. Diagnosis

3. Prescription

4. Illness

5. Recovery

6. Doctor

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

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

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

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

9. 'Action' is related to 'Reaction' in the same way as 'Stimulus' is related to '-----'. (+2, -0.5)

- a. Reception
- b. Response
- c. Vision
- d. Feedback

10. 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 cars are vehicles.

No vehicle is a four-wheeler.

Conclusions:

I. No car is a four-wheeler.

II. All four-wheelers are cars.

III. Some vehicles are cars.

- a. All conclusions follow
- b. Only conclusions I and II follow
- c. Only conclusion I follows
- d. Only conclusion III follows

11. Select the option in which the given figure is embedded.

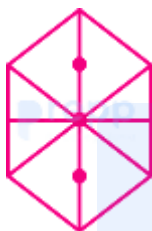
(+2, -0.5)



a.



b.



c.

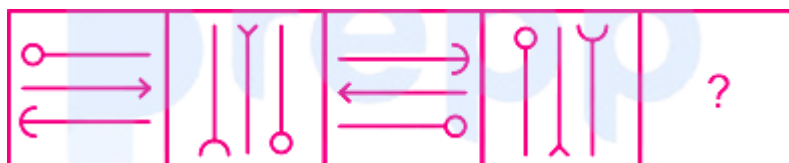


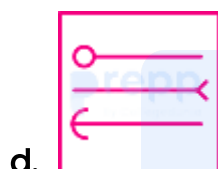
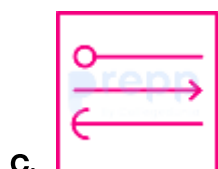
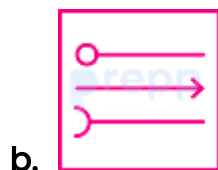
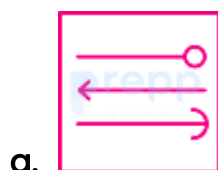
d.



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

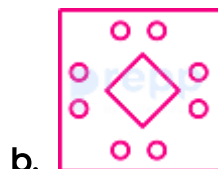
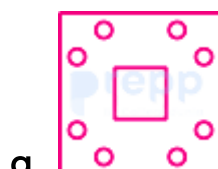
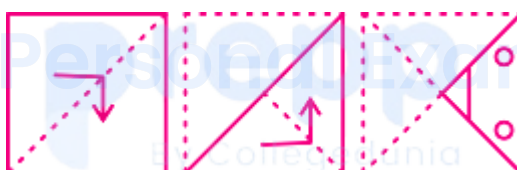
(+2, -0.5)

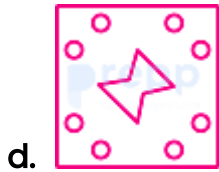
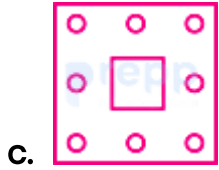




13. A paper is folded and cut as shown below. How will it appear when unfolded?

(+2, -0.5)





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

2, 5, 11, 23, 44, ?

- a. 77
- b. 63
- c. 66
- d. 51

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

ac_d_b_cbdd_a_bddb

- a. bdcab
- b. bdabc
- c. cbdbc
- d. bdbca

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

(+2, -0.5)



a. 18

b. 14

c. 16

d. 20

17. Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

(+2, -0.5)

Heat : Sun

a. Ride : Car

b. Atmosphere : Humidity

c. Vitamin : Fruit

d. Home : Terrace

18. Which two signs should be interchanged in the following equation to make it correct?

(+2, -0.5)

$$18 + 6 - 6 \div 3 \times 3 = 6$$

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

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

4 : 32

- a. 10 : 160
 - b. 6 : 108
 - c. 8 : 248
 - d. 5 : 62
-

20. 10 years ago, a father's age was $3\frac{1}{2}$ times that of his son, and 10 years from now, the father's age will be $2\frac{1}{4}$ times that of the son. What will be the sum of the ages of the father and the son at present? $(+2, -0.5)$

- a. 115 years
 - b. 100 years
 - c. 110 years
 - d. 120 years
-

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

(10, 18, 38)

a. (12, 22, 46)

b. (14, 12, 8)

c. (4, 12, 22)

d. (18, 6, 14)

22. If BACK is coded as 11312 and CAKE is coded as 51113, then how will MADE be coded as? (+2, -0.5)

a. 51413

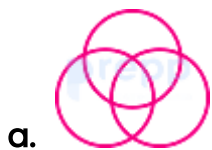
b. 54113

c. 31145

d. 13145

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

Parents, Rich Person, Farmers



b.



c.



d.

24. 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.

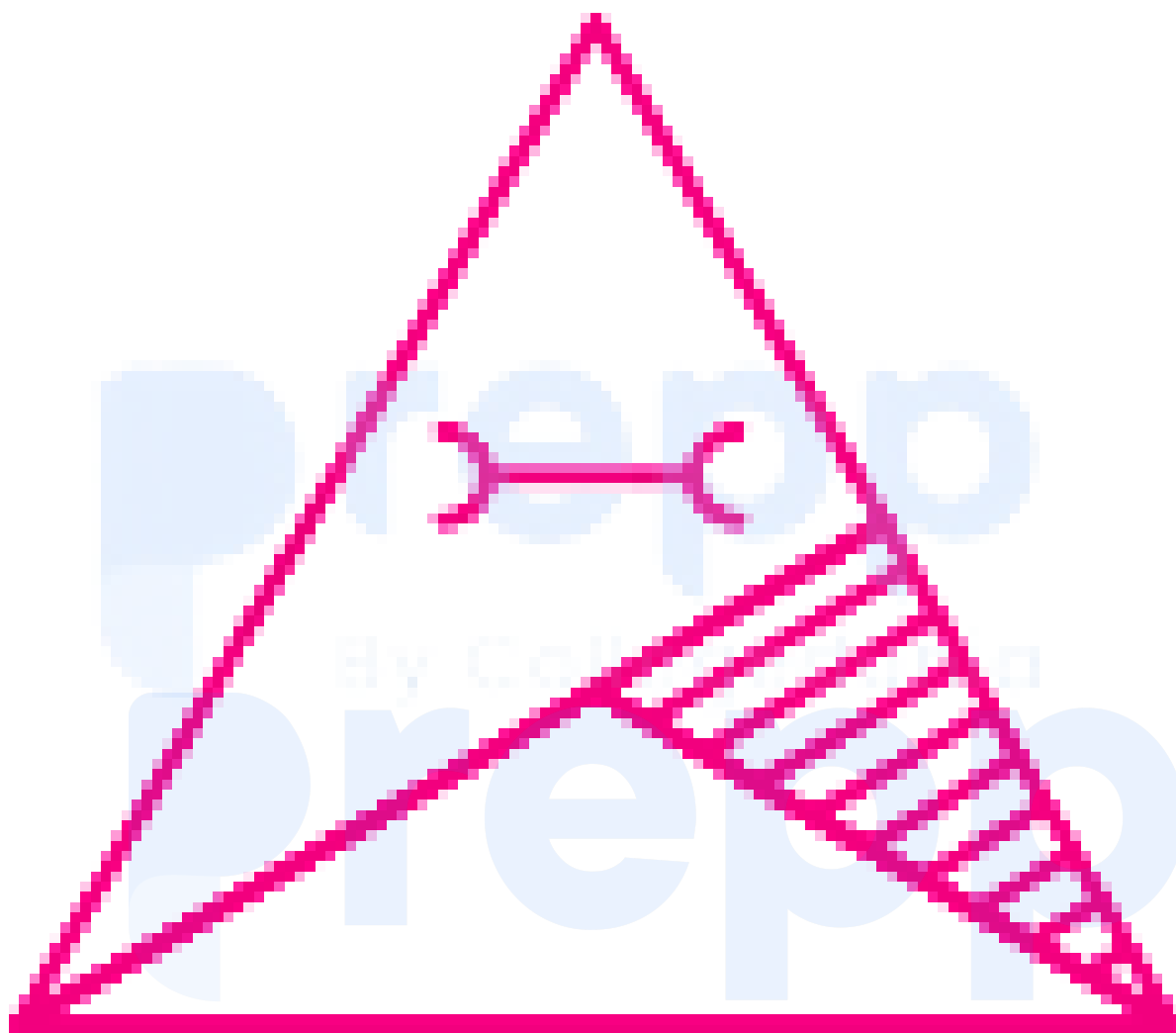
(+2, -0.5)

BECD : YVXW :: DGEF : ?

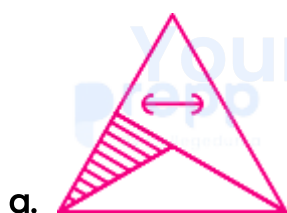
- a. WUTV
- b. VRTS
- c. WTVU
- d. XUWV

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

(+2, -0.5)



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c.



d.



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General Awareness

26. The Special Olympics World Games 2019 was inaugurated at _____. (+2, -0.5)

- a. Austria
- b. Germany
- c. Abu Dhabi
- d. Sweden

27. Which of the following Articles of the Constitution of India deals with the Uniform Civil Code? (+2, -0.5)

- a. Article 43
- b. Article 45
- c. Article 44
- d. Article 46

28. Who was the founder of the Badami Chalukya dynasty ? (+2, -0.5)

- a. Mangalesa
- b. Pulakesin I
- c. Narasimhavarman
- d. Kirtivarman

29. Name the gland that controls the functioning of other endocrine glands. (+2, -0.5)

- a. Pancreas
 - b. Thymus gland
 - c. Adrenal gland
 - d. Pituitary gland
-

30. Name the first Indian budget carrier to join the International Air Transport Association (IATA). (+2, -0.5)

- a. Jet Airways
 - b. SpiceJet
 - c. Indigo
 - d. GoAir
-

31. Who was the first ever female secretary general of SAARC (South Asian Association for Regional Cooperation)? (+2, -0.5)

- a. Madeleine Albright
 - b. Fathimath Dhiyana Saeed
 - c. Jeremiah Nyamane Kingsley
 - d. António Guterres
-

32. Buckminsterfullerene is an allotrope of _____. (+2, -0.5)

- a. Boron

- b. Iron
 - c. Carbon
 - d. Phosphorus
-

33. Which of the following is an aldehyde? (+2, -0.5)

- a. Propanal
 - b. Propanol
 - c. Propine
 - d. Propanone
-

34. In India, Project Tiger started in _____. (+2, -0.5)

- a. 1992
 - b. 1979
 - c. 1982
 - d. 1973
-

35. Which of the following is NOT one of the monarchical states that existed in the 7th and early 6th centuries BC in India? (+2, -0.5)

- a. Kosala
- b. Avanti
- c. Vaishali

d. Magadha

36. _____ is the traditional musical instrument of the Limboo community of Sikkim. (+2, -0.5)

- a. Naumati
 - b. Chyap-Brung
 - c. Chutkay
 - d. Jeurum Silly
-

37. Which of the following states passed the Maintenance of Household Registers Bill in March 2019? (+2, -0.5)

- a. Mizoram
 - b. Odisha
 - c. Assam
 - d. West Bengal
-

38. The idea of residual powers in Indian constitution has been taken from the constitution of _____ (+2, -0.5)

- a. South Africa
- b. Japan
- c. USA
- d. Canada

39. Which of the following has a strong fruity fragrance? (+2, -0.5)

- a. Ethyl acetate
 - b. Methanoic acid
 - c. Methyl chloride
 - d. Methanol
-

40. Which of the following Public Sector Undertakings was accorded the Maharatna status in February 2013? (+2, -0.5)

- a. BHEL
 - b. OIL
 - c. CIL
 - d. ONGC
-

41. Which panel set up by the Government of India suggested total decontrol of the sugar industry? (+2, -0.5)

- a. RamSevak Panel
 - b. Sri Krishna Panel
 - c. Rangarajan Panel
 - d. RadheShyam Panel
-

42. Name the pass in Uttarakhand which is used by pilgrims to Kailash-Mansarovar Yatra. (+2, -0.5)

- a. Khardung La
 - b. Pensi La
 - c. Banihal Pass
 - d. Lipu Lekh
-

43. How many great powers (Mahajanpadas) existed in the 7th and early 6th centuries BC, during the life time of Lord Gautam Buddha? (+2, -0.5)

- a. 17
 - b. 16
 - c. 13
 - d. 11
-

44. Name the state Chandragupta-I got in dowry from the Lichhavis. (+2, -0.5)

- a. Pataliputra
 - b. Saketa
 - c. Ujjain
 - d. Prayaga
-

45. Which team won the Ranji Trophy final 2017? (+2, -0.5)

- a. Mumbai
 - b. Punjab
 - c. Vidarbha
 - d. Delhi
-

46. Which of the following is the first working prototype of Internet? (+2, -0.5)

- a. APNET
 - b. PANET
 - c. ANET
 - d. ARPANET
-

47. Which of the following Biosphere Reserves was the first to be established by the Government of India? (+2, -0.5)

- a. Sundarbans Biosphere Reserve
 - b. Nilgiri Biosphere Reserve
 - c. Gulf of Mannar Biosphere Reserve
 - d. Nanda Devi Biosphere Reserve
-

48. _____ is a group folk dance of Sikkim performed in honour of Mount Khangchendzonga, the guardian deity of the Sikkimese people. (+2, -0.5)

- a. Zo-Mal-Lok

- b.** Chu-Faat
 - c.** Tendong Lo Rum Faat
 - d.** Kinchum-Chu-Bomsa
-

49. Name the first ever female prime minister in the world. (+2, -0.5)

- a.** Golda Meir
 - b.** Indira Gandhi
 - c.** Sirimavo Bandaranaike
 - d.** Elisabeth Domitien
-

50. In March 2019, social media platforms and the Internet and Mobile Association of India (IAMAI) presented a _____ for the General Election 2019 to the Election Commission of India. (+2, -0.5)

- a.** Detailed To Do List
- b.** Voluntary Code of Ethics
- c.** Centre of Voting List
- d.** Precautionary Code

Quantitative Aptitude

51. If $[8(x + y)^3 - 27(x - y)^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$, then the value of $(A + B + C)$ is: (+2, -0.5)
- 26
 - 19
 - 16
 - 13
-
52. The ratio of the efficiencies of A, B and C is 4 : 5 : 3. Working together, they can complete that work in 25 days. A and C together will complete 35% of that work in: (+2, -0.5)
- 15 days
 - 18 days
 - 12 days
 - 10 days
-
53. The marked price of an article is Rs. 315. It is sold for Rs. 288. If there is a loss of 4%, then by what percent above the cost is the article marked? (+2, -0.5)
- 5
 - $5\frac{1}{2}$
 - 8
 - $6\frac{1}{2}$

54. If the 8-digit number $789x531y$ is divisible by 72, then the value of $(5x - 3y)$ is: (+2, -0.5)

- a. 2
- b. 1
- c. -1
- d. 0

55. Renu bought an article for Rs. 1,240 and sold it at a loss of 25%. With this amount, she bought another article and sold it at a gain of 40%. Her overall percentage profit is: (+2, -0.5)

- a. 12
- b. $6\frac{2}{3}$
- c. 5
- d. 15

56. The value of $5 \div 5$ of $5 \times 2 + 2 \div 2$ of $2 \times 5 - (5 - 2) \div 6 \times 2$ is: (+2, -0.5)

- a. $19/10$
 - b. $23/2$
 - c. $9/5$
 - d. 19
-

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

Cars/Year	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

The ratio of the total production of cars of type C and E taken together in 2013 to the total production of cars of type D in 2014 and 2016 and type E in 2017 taken together is:

- a. 8 : 13
- b. 13 : 32
- c. 8 : 11
- d. 5 : 8

58. If $16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$, then the value of $(xy + 2z)$ is: (+2, -0.5)

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

59. In $\triangle ABC$, $AD \perp BC$ and $BE \perp AC$. AD and BE intersect each other at F . If $BF = AC$, then the measure of $\angle ABC$ is: (+2, -0.5)

- a. 50°
- b. 60°
- c. 45°
- d. 70°

60. If $0^\circ < \theta < 90^\circ$ and $\cos^2 \theta = 3 (\cot^2 \theta - \cos^2 \theta)$ then the value of $(\frac{1}{2} \times \sec \theta + \sin \theta)^{-1}$ is: (+2, -0.5)

- a. $\sqrt{3} + 2$
- b. $2(2 - \sqrt{3})$
- c. $\sqrt{3} + 1$
- d. $2(\sqrt{3} - 1)$

61. The compound interest on a certain sum in $2\frac{1}{2}$ years at 10% p.a., interest compounded yearly, is Rs. 1,623. The sum is: (+2, -0.5)

- a. Rs. 7,200

- b. Rs. 5,000
- c. Rs. 6,500
- d. Rs. 6,000

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

Cars/Year	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

If the data regarding the production of cars of type B is represented by a pie-chart, then the angle of the sector representing the production of cars in 2016 will be:

- a. 72°
- b. 60°
- c. 96°

d. 80°

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

Cars/Year	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

The total production of cars of type B in 2013, 2014, 2015 and 2017 taken together is what percent less than the total production of all types of cars in 2017? (Correct to one decimal place)

- a. 17.6
- b. 18.4
- c. 18.2
- d. 15.8

64. If x is subtracted from each of 23, 39, 32 and 56, the numbers so obtained, in this order, are in proportion. What is the mean proportional between $(x + 4)$ and $(3x + 1)$? (+2, -0.5)

- a. 15
- b. 14
- c. 12
- d. 10

65. A takes 30 minutes more than B to cover a distance of 15 km at a certain speed. But if A doubles his speed, he takes one hour less than B to cover the same distance. What is the speed (in km/h) of B? (+2, -0.5)

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

66. Two circles of radii 10 cm and 8 cm intersect at the points P and Q. If PQ = 12 cm, and the distance between the centres of the circles is x cm. The value of x (correct to one decimal place) is: (+2, -0.5)

- a. 14.8
- b. 12.8
- c. 13.3

d. 13.9

67. If $x + y + z = 19$, $xy + yz + zx = 114$, then the value of $\sqrt{x^3 + y^3 + z^3 - 3xyz}$ is: **(+2, -0.5)**

a. 21

b. 13

c. 17

d. 19

68. $\triangle ABC$ is similar to $\triangle DEF$. The area of $\triangle ABC$ is 100 cm^2 and the area of $\triangle DEF$ is 49 cm^2 . If the altitude of $\triangle ABC = 5 \text{ cm}$, then the corresponding altitude of $\triangle DEF$ is: **(+2, -0.5)**

a. 4.5 cm

b. 7 cm

c. 3.5 cm

d. 6 cm

69. The average weight of a certain number of students in a class is 68.5 kg. If 4 new students having weights 72.2 kg, 70.8 kg, 70.3 kg and 66.7 kg join the class, then the average weight of all the students increases by 300 g. The number of students in the class, initially, is: **(+2, -0.5)**

a. 16

b. 11

c. 21

d. 26

70. The income of Raju is 20% more than his expenditure. If his income increases by 60% and his expenditure increases by 70%, then by what percent does his savings increase/decrease? (+2, -0.5)

- a. It decreases by 2%
- b. It decreases by 10%
- c. It increases by 2%
- d. It increases by 10%

71. How much iron sheet (in m^2) will be needed to construct a rectangular tank measuring $10 \text{ m} \times 8 \text{ m} \times 6 \text{ m}$, if a circular opening of radius one metre is to be left at the top of the tank? (correct to one decimal place) (+2, -0.5)

- a. 370.4
- b. 370.8
- c. 372.9
- d. 371.6

72. If $\cos \theta = \frac{2p}{1+p^2}$, then $\tan \theta$ is equal to: (+2, -0.5)

- a. $\frac{2p}{1-p^2}$
- b. $\frac{p^2}{1+p^2}$
- c. $\frac{1-p^2}{2p}$

d. $\frac{1-p^2}{1+p^2}$

-
73. $\triangle ABC$ is inscribed in a circle with centre O. AO is produced to meet the circle at K and $AD \perp BC$. If $\angle B = 80^\circ$ and $\angle C = 64^\circ$, then the measure of $\angle DAK$ is: (+2, -0.5)

- a. 16°
- b. 12°
- c. 20°
- d. 10°

-
74. $\left(\frac{\sin \theta - 2\sin^3 \theta}{2\cos^3 \theta - \cos \theta}\right)^2 + 1$, $\theta \neq 45^\circ$, is equal to: (+2, -0.5)

- a. $\cot^2 \theta$
- b. $\operatorname{cosec}^2 \theta$
- c. $2\tan^2 \theta$
- d. $\sec^2 \theta$

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

Cars/Year	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

The production of cars of type A in 2015 and of type C in 2013 taken together is approximately what percent of the total production of cars of type D in five years?

- a. 43.5
- b. 40.2
- c. 42.4
- d. 42.8

English Comprehension

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

Due to the Cyclone Idai vast areas of land have been flooded, roads destroyed and communications disrupting in Zimbabwe and Mosambique.

- a. vast areas of land have been flooded
- b. Due to the Cyclone Idai
- c. roads destroyed
- d. and communications disrupting

77. 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)

An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Select the most appropriate option for blank No. 5.

- a. councillor
- b. member
- c. mayor

d. worker

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

The State Government argued that it could not _____ the increase in the teachers' salaries as awarded by the court.

- a. afford
 - b. get
 - c. stand
 - d. spare
-

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

A. That sort of pollution, which is also widespread in other south east Asian nations, regularly kills wildlife like whales and turtles that ingest the waste.

B. Environmental groups have tagged the Philippines as one of the world's biggest ocean polluters due to its reliance on single-use plastic.

C. In Thailand also, a whale died last year after swallowing more than 80 plastic bags.

D. In the latest case, a whale with 40 kilos of plastic trash in its stomach died on Saturday in southern Philippines where it was stranded a day earlier.

- a. BCAD
- b. ABCD
- c. BADC

d. DABC

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

The main gate of the building was being guarded by gun-totting guards.

- a. The main gate of the building were guarding gun-totting guards.
 - b. Gun-totting guards were guarding the main gate of the building.
 - c. Gun-totting guards have been guarding the main gate of the building.
 - d. Gun-totting guards guarded the main gate of the building.
-

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

costs an arm and a leg

- a. nothing to lose
 - b. rarely available
 - c. easy to obtain
 - d. very expensive
-

82. Select the most appropriate meaning of the given idiom. (+2, -0.5)

get out of hand

- a. get upset
- b. give up something

- c. get out of control
- d. to complete a task

83. 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)

An Italian mayor has been cleaning the streets along with his councilors after their town (1) _____ with no manual workers, it's reported. In fact, (2) _____ was sweeping the piazza in front of the (3) _____ church in preparation for market day, (4) _____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5) _____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Select the most appropriate option for blank No. 1.

- a. was left
- b. leaves
- c. was leaving
- d. has left

84. 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)

An Italian mayor has been cleaning the streets along with his councilors after their town (1) _____ with no manual workers, it's reported. In fact, (2) _____ was sweeping the piazza in front of the (3) _____ church in preparation for market day, (4) _____ the deputy mayor's father and a

town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Select the most appropriate option for blank No. 3.

- a. local
- b. next
- c. neighbour
- d. near

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

Do not park your car in front of my house.

- a. My house should not be parked in front of your car.
- b. Your car could not be parked in front of my house
- c. Your car need not be parked in front of my house.
- d. Your car should not be parked in front of my house

86. Select the antonym of the given word. (+2, -0.5)

TENDER

- a. gentle
- b. rough
- c. soft

d. warm

-
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)

An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Select the most appropriate option for blank No. 4

- a. as well
- b. also
- c. alongside
- d. along

-
88. Select the synonym of the given word. (+2, -0.5)

TILT

- a. cross
- b. support
- c. slant

d. straighten

89. Select the wrongly spelt word.

(+2, -0.5)

a. comparison

b. communication

c. compitition

d. comparable

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)

I look for a better job for the last two months, but nothing is in sight

a. have looked for a better job

b. have been looking for a better job

c. looked for a better job

d. No improvement

91. 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)

An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a

town councilor armed with a high-pressure hose. The town Zerfaliu's last (5) _____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Select the most appropriate option for blank No. 2.

- a. it
- b. he
- c. they
- d. she

92. Select the wrongly spelt word.

(+2, -0.5)

- a. example
- b. exemplify
- c. exhale
- d. exempt

93. Select the word which means the same as the group of words given.

(+2, -0.5)

A person, animal or plant belonging originally to a place

- a. alien
 - b. occupant
 - c. resident
 - d. native
-

94. 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)

If you join this job now, it proves to be good in the long run.

- a. it proves good
- b. it will prove to be good
- c. it has proved to be good
- d. No improvement

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

Scientists at Cambridge University are _____ how plants can give us sustainable energy.

- a. investigating
- b. inspecting
- c. scrutinizing
- d. looking

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

A. The elephant tusks were tracked from the Democratic Republic of Congo for two months.

B. Customs officials in Thailand say it's the biggest seizure in the country's history.

C. Four tonnes of ivory, with a market value of \$6 million – it was an impressive haul.

D. Officials say they were being transported to Laos, from where they believed the ivory would be sold to customers across Asia.

- a. ABCD
- b. CABD
- c. ACDB
- d. CBAD

97. Select the antonym of the given word.

(+2, -0.5)

ESCALATE

- a. reduce
- b. raise
- c. enlarge
- d. heighten

98. Select the word which means the same as the group of words given.

(+2, -0.5)

A person without a settled home or regular work who wanders from place to place and lives by begging.

- a. itinerant
- b. truant
- c. migrant

d. vagrant

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

She got two quick promotions in order that she has good communication skills.

a. she has good communication skills

b. She got

c. two quick promotions

d. in order that

100. Select the synonym of the given word. (+2, -0.5)

GARRULOUS

a. concise

b. throaty

c. guttural

d. talkative

Answers

1. Answer: d

Explanation:

$$M + 3 \rightarrow P; P - 2 \rightarrow N; N + 1 \rightarrow O$$

$$T + 3 \rightarrow W; W - 2 \rightarrow U; U + 1 \rightarrow V$$

$$D + 3 \rightarrow G; G - 2 \rightarrow E; E + 1 \rightarrow F$$

$$H + 6 \rightarrow N; N - 2 \rightarrow L; L - 2 \rightarrow J$$

As we can see all options follow a common pattern except for HNLJ.

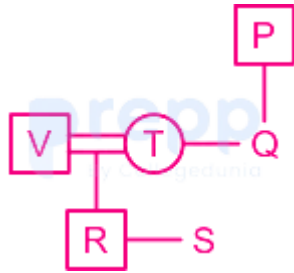
Hence, HNLJ is the odd among the given options.

2. Answer: d

Explanation:

Preparing the family tree using the following symbols:

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



Hence, V is son-in-law of P.

3. Answer: d

Explanation:

Perseverance, Firmness and Tenacity are words related to determination.

Tendency means proneness or habit of doing something in a particular way.

Hence, Tendency is the odd word out.

4. Answer: d

Explanation:

$$56 = 7 \times 8$$

$$12 = 3 \times 4$$

$$30 = 5 \times 6$$

$$14 = 2 \times 7$$

Here, 14 is not a product of two consecutive numbers.

Hence, 14 is the odd among the alternatives.

5. 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

The logic followed here is:

$$T - 1 = S;$$

$$E - 1 = D;$$

$$M - 1 = L;$$

$$P - 1 = O;$$

$$L - 1 = K;$$

E - 1 = D; further these codes are written in reverse order. Hence, DKOLDS.

Similarly,

$$W - 1 = V$$

$$O - 1 = N;$$

$$R - 1 = Q;$$

$$S - 1 = R;$$

$$H - 1 = G;$$

$$I - 1 = H;$$

$$P - 1 = O;$$

Further these codes are written in reverse order. Hence, 'OHGRQNV' is the correct answer.

6. Answer: d

Explanation:

Here, we can observe that 1, 2, 4, 5 are adjacent to 3. Thus, 3 will be opposite 6.

Hence, if 6 is at bottom 3 will be at top.

7. Answer: a

Explanation:

Here, in the set given in question the logic followed is:

$$7 + 6 = 13; 13 + 8 = 21$$

The same logic is followed in the set (2, 8, 16)

$$2 + 6 = 8; 8 + 8 = 16$$

Hence, the set (2, 8, 16) is the correct answer.

8. Answer: c

Explanation:

The correct logical order here will be:

4. Illness → 6. Doctor → 2. Diagnosis → 3. Prescription → 1. Medicine → 5. Recovery

Hence, (4, 6, 2, 3, 1, 5) is the correct order.

9. Answer: b

Explanation:

An action leads to a reaction.

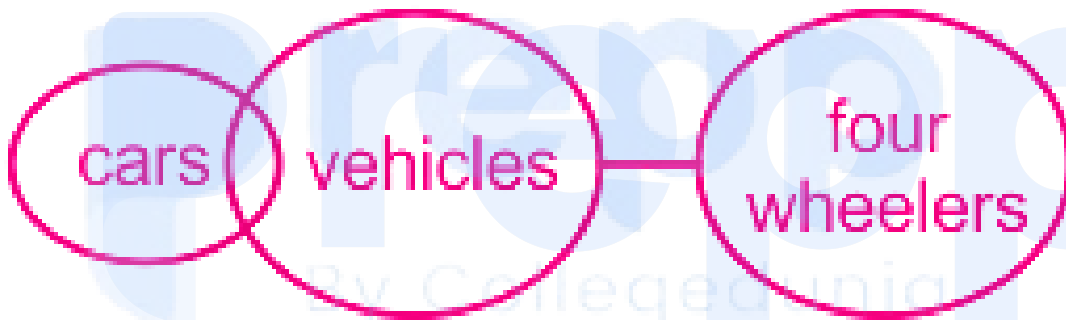
Similarly, a stimulus leads to a response.

Hence, response is the correct answer.

10. Answer: d

Explanation:

The least possible Venn diagram is as follows:



Conclusions:

I. No car is a four-wheeler → False as it is possible but not definite.

II. All four-wheelers are cars → False as it is possible but not definite.

III. Some vehicles are cars → True as some cars are vehicles.

Hence, only conclusion III follows.

11. Answer: c

Explanation:



Hence, the given figure is embedded in the figure in option 3.

12. Answer: c

Explanation:

In the above series the water image and mirror image both were taken to obtain the alternate image. For eg: If we take the mirror image of the water image of the first figure then we will obtain the third figure.

Therefore,



Hence, option 3 is the correct answer.

13. Answer: a

Explanation:

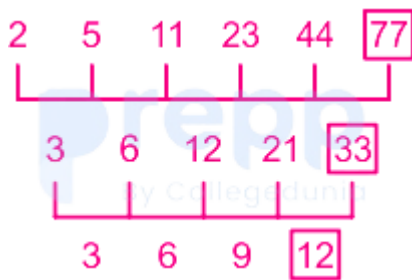


Hence, the figure in option 1 is the correct answer.

14. Answer: a

Explanation:

Logic followed here is:



Hence, 77 is the correct answer.

15. Answer: b

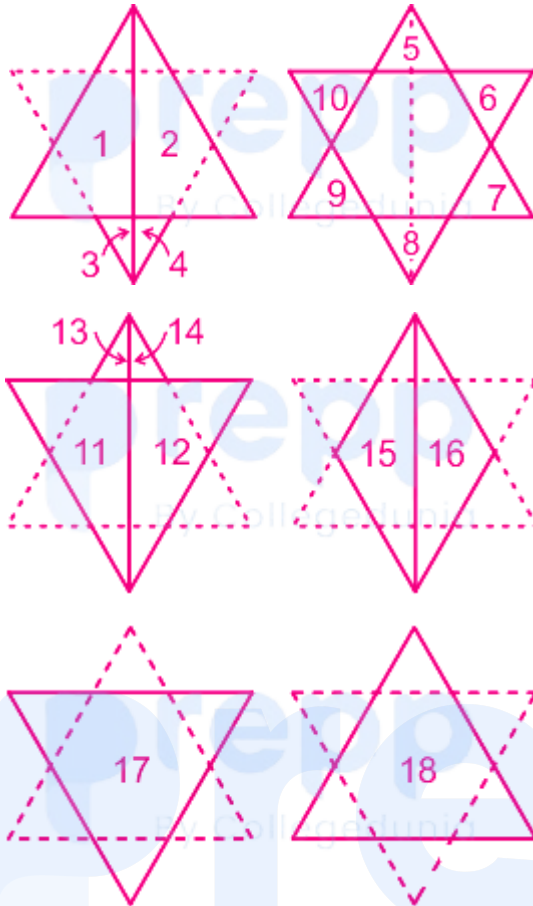
Explanation:

- 1) ac bd db ccbdd aa bbddb → does not form a pattern.
- 2) ac bd db acbdd ba cbddb → ac bddb ac bddb ac bddb → forms a pattern.
- 3) ac cd bb dcbdd ba cbddb → does not form a pattern.
- 4) ac bd db bcbdd ca abddb → does not form a pattern.

Hence, bdabc will complete the series.

16. Answer: a

Explanation:



Hence, there are 18 triangles in the given figure.

17. Answer: c

Explanation:

Sun is a source of heat.

Similarly, fruit is a source of vitamins.

Hence, Vitamins : Fruit is the correct answer.

18. Answer: b

Explanation:

i) $18 \times 6 - 6 \div 3 + 3 = 108 - 2 + 3 = 109 \neq 6$

ii) $18 \div 6 - 6 + 3 \times 3 = 3 - 6 + 9 = 6$

iii) $18 - 6 + 6 \div 3 \times 3 = 18 \neq 6$

iv) $18 + 6 \div 6 - 3 \times 3 = 10 \neq 6$

Hence, + and \div should be interchanged in the following equation to make it correct.

19. Answer: b

Explanation:

Here, the logic followed is:

$$4 : 4 \div 2 \times (4^2) = 4 : 32$$

Similarly,

$$6 : 6 \div 2 \times (6^2) = 6 : 108$$

Hence, 6 : 108 is the correct answer.

20. Answer: c

Explanation:

Current age of Father = F;

Current age of Son = S

Ten years ago

$$(F - 10) = 3.5 (S - 10)$$

$$F = 3.5S - 35 + 10$$

$$3.5S - F = 25 \text{ - (i)}$$

Ten years hence

$$F + 10 = 2.25 (S + 10)$$

$$F - 2.25S = 22.5 - 10$$

$$F - 2.25S = 12.5 \text{ i.e. } 2F - 4.5S = 25 \text{ (ii)}$$

That implies that

$$3.5 S - F = 2F - 4.5S$$

$$8S = 3F$$

Multiplying (i) by 3

$$10.5S - 3F = 75$$

$$10.5S - 8S = 75$$

$$2.5 S = 75$$

$$S = 30;$$

$$\text{Hence } 3F = 240,$$

$$F = 80$$

Hence, sum of ages of father and son will be $80 + 30 = 110$.

21. Answer: a

Explanation:

The logic followed here is:

$$n : (2n - 2) : 4n - 2$$

Therefore,

$$10 : (20 - 2) : (40 - 2)$$

Similarly,

$$12 : (24 - 2) : (48 - 2)$$

Hence, (12, 22, 46) is the correct answer.

22. Answer: b

Explanation:

Here, the logic followed is:

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

B = 2; A = 1; C = 3; K = 11 and further their positional values are written in reverse order.

Similarly, **Your Personal Exams Guide**

CAKE = reverse order of (3) (1) (11) (5) = 51113,

MADE = reverse order of (13) (1) (4) (5) = 54113

Hence, 54113 is the correct answer.

23. Answer: a

Explanation:

The most appropriate Venn diagram that illustrates the relationship between Parents, Rich Persons, and Farmers is:



Hence, the above Venn diagram is the correct answer.

24. Answer: c

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

According to the positional values,

BECD : YVXW \rightarrow (B, Y), (E, V), (C, X) and (D, W) are reverse pairs.

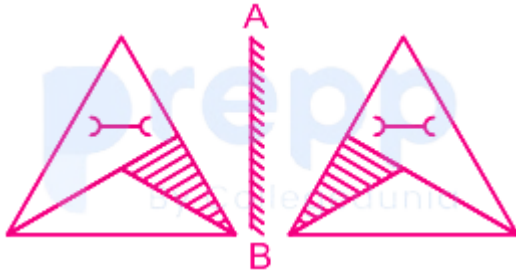
Similarly,

DGEF : WTVU \rightarrow (D, W), (G, T), (E, V) and (F, U) are reverse pairs.

Hence, WTVU is the correct answer.

25. Answer: b

Explanation:



Hence, option 2 is the correct mirror image.

26. Answer: c

Explanation:

- **Abu Dhabi** was the host for The Special Olympics World Games 2019.
- This event was organised for the first time in the Middle East and North Africa.
- Athletes competed in 24 different individual and team sports in this event.
- **Capital of UAE:** Abu Dhabi
- **Currency :** Dirham
- **President :** Khalifa bin Zayed Al Nahyan
- **Prime Minister:** Mohammed bin Rashid Al Maktoum

27. Answer: c

Explanation:

The correct answer is option 3 i.e. **Article 44**,

- Article 44 is included in **Part 4** of the Indian Constitution. It provides for **Uniform Civil Code**.

Article	Subject Matter
Article 44	Uniform Civil Code
Article 43	The living wage, etc., for workers
Article 45	Provision for early childhood care and education to children below the age of 6 years
Article 46	Promotion of educational and economic interests of SCs, STs and other weaker sections

28. Answer: b

Explanation:

- **Pulakesin I** was the **founder of the Chalukya dynasty**. He established a small kingdom with **Badami as its capital**.
- The family of Western Chalukyas had its offshoots like the **Eastern Chalukyas of Vengi** and the **Chalukyas of Kalyani**.
- **Narasimhavarma I** was also known as **Mamalla**, which means 'great wrestler'.
- **Kirtivarman II** was the **last of the rulers of the Chalukyas**. He was defeated by **Dantidurga**, the founder of the **Rashtrakuta dynasty**.

29. Answer: d

Explanation:

- Control and co-ordination in our body are also brought about with the help of certain chemical substances called **hormones**. Hormones are secreted by **endocrine glands**.

- The pituitary gland controls the functioning of other endocrine glands.

Glands	Location	Hormones	Functions
Pituitary gland	At the base of the brain	Growth Hormone Adrenocorticotrophic hormone	-Stimulates the growth of bones -Stimulates adrenal gland
Adrenal Gland	The anterior end of each kidney	Adrenaline and Nor-adrenaline	Controls behaviour during crisis and emotional situations
Thymus	In the thoracic cage, near the heart	Thymosin	Controls the cells which give rise to immunity

30. Answer: b

Explanation:

- SpiceJet became the first Indian budget carrier to join the International Air Transport Association (IATA).
- IATA represents **282** airlines.
- **Head Office of IATA:** Montreal, Canada
- **Chairman and Chief Executive Officer :** Mr Carsten Spohr

31. Answer: b

Explanation:

- **Ms. Fathimath Dhiyana Saeed** was first female Secretary-General of SAARC from 2011 to 2012.
- SAARC was established on **8 December 1985**.
- **Member States of SAARC:** Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka
- **SAARC Secretariat** : Kathmandu, Nepal

★ **Additional Information**

- H.E. Esala Ruwan Weerakoon of Sri Lanka assumed office of the Secretary-General of the South Asian Association for Regional Cooperation (SAARC) on 01 March 2020.
- Prior to assuming the post of Secretary-General, Weerakoon served as Senior Additional Secretary to the President of Sri Lanka. Previously, he was Foreign Secretary of Sri Lanka. He had also served as Sri Lanka's High Commissioner to India and Ambassador to Norway.
- <https://www.saarc-sec.org/index.php/about-saarc/about-secretariat/secretary-general>.

32. Answer: c

Explanation:

- Fullerene, an allotrope of carbon, is rarely found in nature. It is found in **soot** and in **interstellar space**.
- The first example of fullerene is **Buckminsterfullerene (C_{60})**. This allotrope of carbon is named fullerene after the architect **Richard Buckminster Fuller** because the structure of C_{60} resembles the structure of the **geodesic dome** he designed.
- **Harold Kroto, Robert Curl and Richard Smalley** were given the **Nobel prize in chemistry 1996**, for the discovery of this **carbon allotrope, fullerene C_{60}** .

33. Answer: a

Explanation:

- Propanal is an example of an **aldehyde** functional group.
- R -CHO is a general structural formula for Aldehyde.

Compound	Functional Group	Chemical Formula
Propanal	Aldehyde	$\text{CH}_3\text{CH}_2\text{-CHO}$
Propanol	Alcohol	$\text{CH}_3\text{CH}_2\text{CH}_2\text{-OH}$
Propanone	Ketone	$(\text{CH}_3)_2\text{CO}$

34. Answer: d

Explanation:

Project Tiger:

- It was launched on 1st April 1973.
- It was launched from Jim Corbett National Park, which is located in Uttarakhand
- It was launched by the Union Government of India under the Ministry of Environment, Forest and Climate Change.
- Nodal Implementing Agency: National Tiger Conservation Authority.
- There are around 442 tigers present in Uttarakhand (Jim Corbett National Park) According to the latest census released by All India Tiger Estimation 2018 and this result is declared by PM Narendra Modi on International Tiger Day (29 July).

Name of National Park	State in which they are located
Bhitarkanika	Odisha
Sanjay Gandhi	Maharashtra
Sunderbans	West Bengal

Ladakh

Jammu and Kashmir

Punjab

Himachal Pradesh

Rajasthan

Haryana

Uttarakhand

Uttar Pradesh

Gujarat

Madhya Pradesh

Maharashtra

Goa

Karnataka

Kerala

Tamil Nadu

Andhra Pradesh

Odisha

Chhattisgarh

Telangana

West Bengal

Bihar

Jharkhand

Meghalaya

Sikkim

Assam

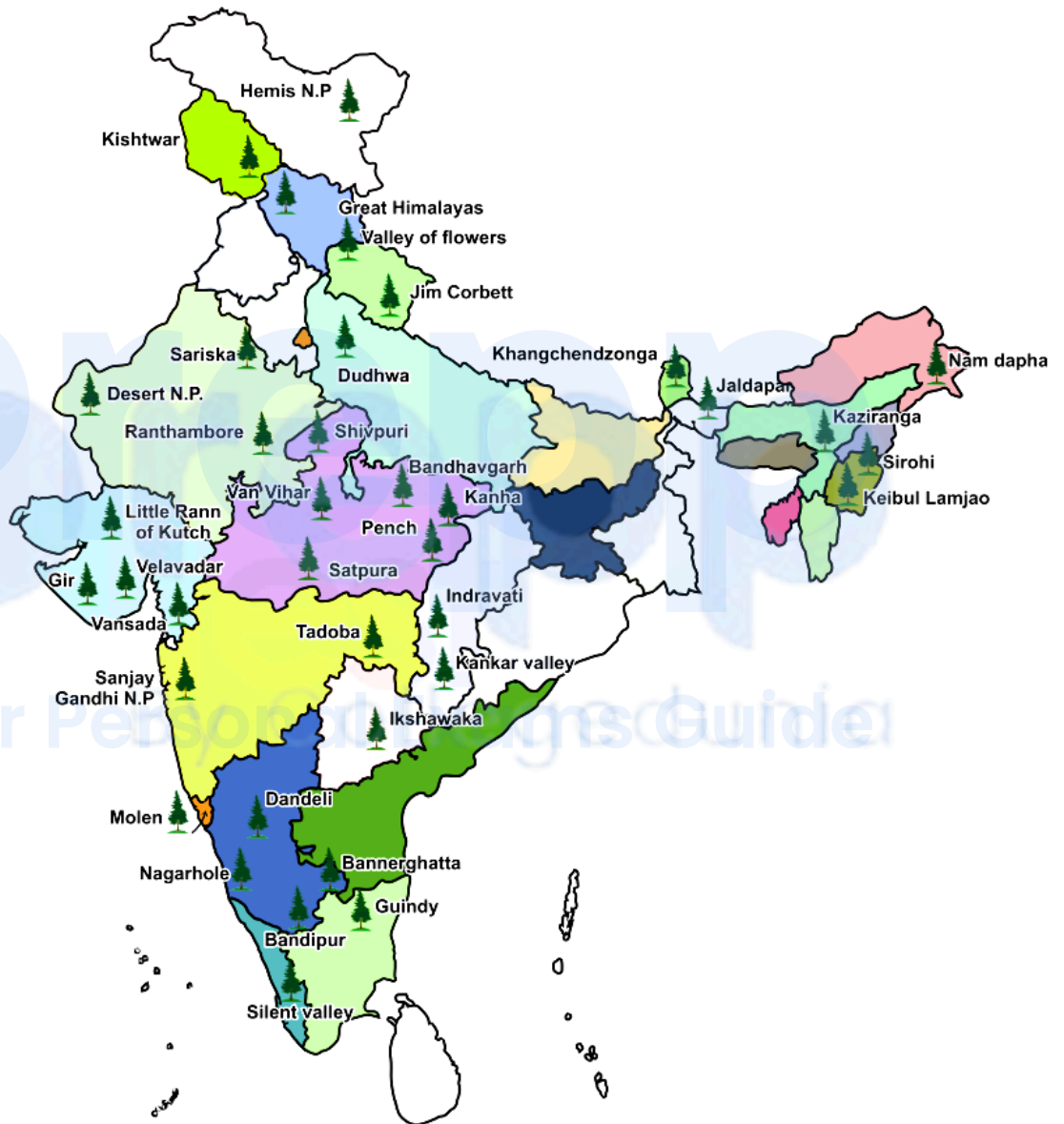
Manipur

Mizoram

Arunachal Pradesh

Nagaland

Tripura



35. Answer: c

Explanation:

- Vaishali was the capital of Vrijji, which was a republic state.
- **Monarchical states:** Magadha, Kashi, Kosala, Vatsa, Chedi, Matsya, Shurasen, Avanti and Gandhara.
- **Non-monarchical states/ Republic state:** Malla, Vrijji, Kamboj, and Kuru

Do you know?

The ancient and modern names of the 16 mahajanapadas :

(1) Kashi (Benaras), (2) Kosal (Lucknow), (3) Malla (Gorakhpur), (4) Vatsa (Allahabad), (5) Chedi (Kanpur), (6) Kuru (Delhi), (7) Panchal (Rohilkhand), (8) Matsya (Jaipur), (9) Shurasen (Mathura), (10) Ashmak (Aurangabad, Maharashtra), (11) Avanti (Ujjain), (12) Ang (Champa East Bihar), (13) Magadha (South Bihar), (14) Vrijji (North Bihar), (15) Gandhara (Peshawar), (16) Kamboj (Near Gandhara)

36. Answer: b

Explanation:

Chyap-Brung is Dholak like in shape but much bigger in size traditional musical instrument of the Limboo community.

Additional information about other options:

Nepali Folk Dances	Information
1) Naumati	Group dance of Damai community
2) Chyap-Brung	A traditional musical instrument of the Limboo community
3) Chutkay	Romantic group dance
4) Jeurum Silly	Group dance of Rai community

37. Answer: a

Explanation:

- Mizoram has passed the Maintenance of Household Registers Bill in March 2019.
- It aims to detect illegal foreigners residing in Mizoram.

38. Answer: d

Explanation:

- The idea of residual powers in Indian constitution has been taken from the constitution of Canada.

Sources	Features Borrowed
Canada	<ul style="list-style-type: none"> • Vesting of residuary powers in the Centre • Appointment of state governors by the Centre • Advisory jurisdiction of the Supreme Court.
USA	<ul style="list-style-type: none"> • Fundamental rights, • Independence of judiciary • judicial review
South Africa	<ul style="list-style-type: none"> • Procedure for amendment of the Constitution • Election of members of Rajya Sabha
Japan	Procedure established by Law.

39. Answer: a

Explanation:

- Ethyl acetate has a strong fruity fragrance.
- This colourless liquid has a characteristic sweet smell and is used in glues, nail polish removers, decaffeinating tea and coffee.

Name	Formula	Details
Ethyl Acetate	$C_4H_8O_2$	Strong fruity fragrance
Methanoic Acid	CH_2O_2	Type of Carboxylic Acid
Methyl Chloride	CH_3Cl	It is colourless with a mild sweet odour
Methanol	CH_3OH	It is also known as wood alcohol

40. Answer: a

Explanation:

BHEL got **Maharatna** status in February **2013** . Full form of BHEL is **Bharat Heavy Electricals Ltd.**

There are 10 Maharatna Companies.

1	Bharat Heavy Electricals Limited(BHEL)
2	Coal India Limited(CIL)
3	Gas Authority of India(GAIL)
4	Indian Oil Corporation Limited(IOCL)
5	National Thermal Power Corporation Limited(NTPC)
6	Oil and Natural Gas Corporation Limited(ONGC)
7	Steel Authority of India Limited(SAIL)
8	Hindustan Petroleum(HPCL)
9	Power Grid Corporation of India Limited
10	Bharat Petroleum Corporation Limited(BPCL)

41. Answer: c

Explanation:

- Rangarajan panel was set up by the Government of India which suggested the total decontrol of the sugar industry.
- Sri Krishna Panel is related to reporting on data protection.
- C. Rangarajan is former Chairman of the Economic Advisory Council (EAC) to the Prime Minister and former Governor, Reserve Bank of India.

42. Answer: d

Explanation:

Lipu Lekh passes in Uttarakhand is used by pilgrims to Kailash-Mansarovar Yatra.

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Name	location	Other Details
Khardung La	Near Leh in the Ladakh range	The world's highest motorable road passes through Khardung La
Pensi La	Kashmir Valley and Kargil	Due to heavy snowfall, it remains closed to traffic from November to mid-May
Banihal Pass	Pir Panjal Range	The road from Jammu to Srinagar transversed Banihal Pass until 1956 when Jawahar Tunnel was constructed under the pass.
Lipu Lekh	Trijunction of Uttarakhand (India), Tibet (China) and Nepal borders	This pass is used by pilgrims to Kailash-Mansarovar.

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43. Answer: b

Explanation:

- There were 16 Mahajanpadas existed in the 7th and early 6th centuries BC, during the lifetime of Lord Gautam Buddha.
- The ancient and modern names of the 16 mahajanapadas :

(1) Kashi (Benaras), (2) Kosal (Lucknow), (3) Malla (Gorakhpur), (4) Vatsa (Allahabad), (5) Chedi (Kanpur), (6) Kuru (Delhi), (7) Panchal (Rohilkhand), (8) Matsya (Jaipur), (9) Shurasen (Mathura), (10) Ashmak (Aurangabad, Maharashtra), (11) Avanti (Ujjain), (12) Ang (Champa East Bihar), (13)

Magadha (South Bihar), (14) Vrijji (North Bihar), (15) Gandhara (Peshawar), (16) Kamboj (Near Gandhara)

44. Answer: a

Explanation:

Chandragupta-I got **Pataliputra** in dowry from the Lichhavis.

- He married **Kumaradevi**, a princess of the Lichhavis family.
 - The Gupta era is considered to be founded by **Chandragupta I**. It starts with his accession in **A.D. 320**.
 - At the confluence of the **Son river with the Ganges**, the city of **Pataliputra** was situated.
 - In the ancient period, Pataliputra had remained the capital for the Mauryas, Sungas, Guptas, and other kingdoms.
-

45. Answer: c

Explanation:

- Vidarbha won 2017 Ranji Trophy final.
 - Final match was played between **Delhi and Vidarbha**.
 - Venue for final match was Holkar stadium, Indore, Madhya Pradesh.
 - Mumbai team has won maximum number of titles.
-

46. Answer: d

Explanation:

- ARPANET was the first working prototype of Internet.
- Full form of ARPANET is AdvancedResearchProjectsAgencyNetwork.

- It was 1st network to implement TCP/IP protocol.

47. Answer: b

Explanation:

Nilgiri Biosphere Reserve was the first to be established by the Government of India in the year 1986.

Additional information about other Biosphere Reserve:

Name of Biosphere Reserve	Year of Designation	State/s
Sundarbans Biosphere Reserve	1989	West Bengal
Nilgiri Biosphere Reserve	1986	Tamil Nadu, Kerala and Karnataka
Gulf of Mannar Biosphere Reserve	1989	South of Tamil Nadu
Nanda Devi Biosphere Reserve	1988	Uttarakhand

http://www.wiienviis.nic.in/Database/BiosphereReserves_8225.aspx

48. Answer: b

Explanation:

Chu-Faat: Meaning of Chu is the Snowy Range and that of Faat is Worship. It is a group folk dance of Sikkim performed in honour of Mount Khangchendzonga.

Additional information about other options:

Zo-Mal-Lok	Folk dance of Lepcha community
Chu-Faat	Group folk dance is performed in the honour of Mount Khangchendzonga
Tendong Lo Rum Faat	Based on a famous Lepcha folklore
Kinchum-Chu-Bomsa	It Vividly describes the natural beauty of Sikkim

49. Answer: c

Explanation:

- **Sirimavo Bandaranaike** was the world's first female head of government. She was elected in the year 1960 .
- She was representative of **Sri Lanka Freedom Party**.

Additional information about other Female leaders

Name of Female Politician	Prime Minister of	Year
1) Golda Meir	Israel	1969
2) Indira Gandhi	India	1966
3) Sirimavo Bandaranaike	Sri Lanka	1960
4) Elisabeth Domitien	Central African Republic	1975

50. Answer: b

Explanation:

- In March 2019, social media platforms and the Internet and Mobile Association of India (IAMAI) presented a **Voluntary Code of Ethics** for the General Election 2019 to the Election Commission of India.
- To ensure free, fair & ethical usage of Social Media Platforms during Lok Sabha Elections 'Code of Ethics " was developed.
- **Chief Election Commissioner of India:** Sunil Arora

51. Answer: c

Explanation:

Short trick:

Put $x = y = 1$ in $[8(x + y)^3 - 27(x - y)^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$

$$\therefore A + B + C = 16$$

Detailed Solution:

$$\Rightarrow [8(x + y)^3 - 27(x - y)^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$\Rightarrow [\{2(x + y)\}^3 - \{3(x - y)\}^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$\Rightarrow \{2(x + y)\} - \{3(x - y)\} [\{2(x + y)\}^2 + 2(x + y)3(x - y) + \{3(x - y)\}^2] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$\Rightarrow (5y - x) [4x^2 + 4y^2 + 8xy + 6x^2 - 6y^2 + 9x^2 + 9y^2 - 18xy] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$\Rightarrow 19x^2 - 10xy + 7y^2 = Ax^2 + Bxy + Cy^2$$

On comparing

$$\Rightarrow A = 19, B = -10 \text{ and } C = 7$$

$$\Rightarrow (A + B + C) = 19 + 7 - 10 = 16$$

52. Answer: a

Explanation:

The ratio of the efficiency of A, B and C = 4 : 5 : 3

$$\text{Total work} = (4 + 5 + 3) \times 25 = 300$$

$$\Rightarrow 35\% \text{ of total work} = 300 \times [35/100] = 105$$

$$A \text{ and } C \text{ together will complete } 35\% \text{ of that work} = 105 / (4 + 3) = 15 \text{ days}$$

53. Answer: a

Explanation:

MP of the article = Rs. 315

SP of the article = Rs. 288

CP of the article = Rs. 288 $[100/96] = 300$

\Rightarrow Required percentage = $[(315 - 300)/300] \times 100 = 5\%$

54. Answer: c

Explanation:

\Rightarrow 8 digit number 789x531y is divisible by 72 if the number is divisible by 8 and 9 both.

Divisibility of 8: A number will be divisible by 8 if the last three digits of the number are divisible by 8.

Divisibility of 9: A number will be divisible by 9 if the sum of the digits of the number is divisible by 9.

\Rightarrow 31y is divisible by 8 if $y = 2$ as 312 is divisible by 8

$\Rightarrow 7 + 8 + 9 + x + 5 + 3 + 1 + 2 = 35 + x$ is divisible by 9 if $x = 1$

$\Rightarrow 5x - 3y = 5 \times 1 - 3 \times 2 = (-1)$

55. Answer: c

Explanation:

Let Renu's CP = Rs. 100x

The price at which she sold that article (SP) = $100x \times [75/100] = \text{Rs. } 75x$

With Rs. 75 she bought another article and sold it at a gain of 40%.

$$\text{SP of the new article} = 75x \times [140/100] = \text{Rs. } 105x$$

$$\text{Her overall percentage profit} = [(105x - 100x)/100] \times 100 = 5\%$$

56. Answer: a

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 within 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.

$$\Rightarrow 5 \div 5 \text{ of } 5 \times 2 + 2 \div 2 \text{ of } 2 \times 5 - (5 - 2) \div 6 \times 2$$

We solve OF first

$$\Rightarrow 5 \div 25 \times 2 + 2 \div 4 \times 5 - 3 \div 6 \times 2$$

$$\Rightarrow 2/5 + 5/2 - 1$$

$$\Rightarrow 19/10$$

57. Answer: a

Explanation:

$$\text{Total production of cars of type C and E in 2013 taken together} = 52 + 36 = 88$$

Total production of cars of type D in 2014 and 2016 and type E in 2017 = $42 + 46 + 55$
 $= 143$

\Rightarrow Required ratio = $88 : 143 = 8 : 13$

58. Answer: a

Explanation:

$$\Rightarrow 16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$$

$$\Rightarrow 16x^2 + 9y^2 + 4z^2 - 24x + 24y - 24z + 61 = 0$$

$$\Rightarrow (4x)^2 - 2 \times 4x \times 3 + 3^2 + (3y)^2 + 2 \times 3y \times 4 + 4^2 + (2z)^2 - 2 \times 2z \times 6 + 6^2 = 0$$

$$\Rightarrow (4x - 3)^2 + (3y + 4)^2 + (2z - 6)^2 = 0$$

$$\Rightarrow (4x - 3)^2 = 0$$

$$\Rightarrow 4x - 3 = 0$$

$$\Rightarrow x = 3/4$$

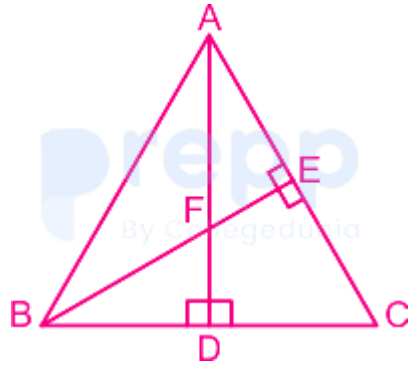
Similarly,

$$\Rightarrow y = -4/3 \text{ and } z = 3$$

$$\Rightarrow (xy + 2z) = (3/4) \times (-4/3) + 2 \times 3 = 5$$

59. Answer: c

Explanation:



Given, $AD \perp BC$ & $BE \perp AC$

$$\Rightarrow \angle BDA = \angle FEA = 90^\circ$$

Also, $\angle BFD = \angle AFE = \theta$ (opposite angle)

$$\Rightarrow \angle FBD = \angle DAC = 90^\circ - \theta$$

$$\Rightarrow \angle DCA = \theta$$

Now, we can say, $\triangle DFB$ is similar to $\triangle DCA$.

$$\Rightarrow AC/AD = BF/BD \quad [BF = AC]$$

$$\Rightarrow AD = BD \quad [\because \angle ABD = \angle BAD]$$

In $\triangle ABD$

$$\Rightarrow \angle ABD + \angle BAD + \angle BDA = 180^\circ$$

$$\Rightarrow 2\angle ABD = 180^\circ - 90^\circ$$

$$\Rightarrow \angle ABD = 45^\circ$$

From figure we can say that, $\angle ABD = 45^\circ = \angle ABC$

60. Answer: b

Explanation:

$$\Rightarrow \cos^2 \theta = 3 (\cot^2 \theta - \cos^2 \theta)$$

$$\Rightarrow \cos^2 \theta = 3 \cos^2 \theta (\operatorname{cosec}^2 \theta - 1)$$

$$\Rightarrow 1 = 3 \cot^2 \theta$$

$$\Rightarrow \tan^2 \theta = 3$$

$$\Rightarrow \theta = 60^\circ$$

$$\Rightarrow \left(\frac{1}{2} \sec \theta + \sin \theta \right)^{-1}$$

$$\Rightarrow \left(\frac{1}{2} \sec 60^\circ + \sin 60^\circ \right)^{-1}$$

$$\Rightarrow \left[\left(\frac{1}{2} \right) \times 2 + \frac{\sqrt{3}}{2} \right]^{-1}$$

$$\Rightarrow \left[\frac{(2 + \sqrt{3})}{2} \right]^{-1}$$

$$\Rightarrow \left[\frac{2}{(2 + \sqrt{3})} \right] \times \left[\frac{(2 - \sqrt{3})}{(2 - \sqrt{3})} \right]$$

$$\Rightarrow 2(2 - \sqrt{3})$$

61. Answer: d

Explanation:

Given:

Compound Interest, C.I. = Rs. 1623

Rate of Interest, R = 10 percent

Time = $2\frac{1}{2}$ Years

Formula Used:

When interest is compounded annually but the time is in fraction (suppose time = $n\frac{a}{b}$ years), then,

$$A = P \left(1 + \frac{R}{100} \right)^n \left(\frac{100 + \left(\frac{a}{b} \right) \times R}{100} \right)$$

where A = Amount

P = Principal,

R = Rate of Interest,

n = Whole part of Time

a, b = Numerator and Denominator of the fraction part of the time.

Calculation:

Let the Principal be P.

So, the Amount,

$$A = P \left(1 + \frac{R}{100} \right)^n \left(\frac{100 + \left(\frac{a}{b} \right) \times R}{100} \right)$$

$$\Rightarrow A = P \left(1 + \frac{10}{100} \right)^2 \left(\frac{100 + \left(\frac{1}{2} \right) \times 10}{100} \right)$$

$$\Rightarrow A = P \times (11/10)^2 \times (21/20)$$

$$\Rightarrow A = P \times (121/100)$$

Now, Compound Interest = Amount – Principal

$$\Rightarrow 1623 = P \times (121/100) \times (21/20) - P$$

$$\Rightarrow 1623 = P \times \left\{ (2541/2000) - 1 \right\}$$

$$\Rightarrow 1623 = P \times (2541 - 2000)/2000$$

$$\Rightarrow 1623 = P \times 541/2000$$

$$\Rightarrow P = 1623 \times 2000/541$$

$$\Rightarrow P = 6,000$$

\therefore The Principal is Rs. 6,000

62. Answer: d

Explanation:

Production of cars of type B over five years = $39 + 45 + 54 + 60 + 72 = 270$

Production of cars type B in 2016 = 60

\Rightarrow 270 thousands represents = 360°

\Rightarrow 60 thousands will represent = $[360^\circ/270] \times 60 = 80^\circ$

63. Answer: a

Explanation:

Production of cars of type B in 2013, 2014, 2015 and 2017 = $39 + 45 + 54 + 72 = 210$

Production of all type of cars in 2017 = $36 + 72 + 45 + 47 + 55 = 255$

\Rightarrow Required percentage = $[(255 - 210)/255] \times 100 = 17.6\%$ approx

64. Answer: c

Explanation:

Calculation:

If x is subtracted from each of 23, 39, 32 and 56, the number would be in proportion.

According to the question,

$$(23 - x) / (39 - x) = (32 - x) / (56 - x)$$

Using Componendo or Dividendo

$$\Rightarrow (23 - x + 39 - x) / (23 - x - 39 + x) = (32 - x + 56 - x) / (32 - x - 56 + x)$$

$$\Rightarrow (62 - 2x) / (-16) = (88 - 2x) / (-24)$$

$$\Rightarrow x = 5$$

$$\text{Mean Proportional between } (4 + x) \text{ and } (3x + 1) = \sqrt{[(4 + x)(3x + 1)]} = \sqrt{(9 \times 16)} = 12$$

65. Answer: c

Explanation:

Given:

A takes 30 minutes more than B to cover a distance of 15 km

A doubles his speed and takes one hour less than B to cover 15 km

Concept used:

For a given distance, speed \propto (1/time)

speed = distance/time

Calculation:

The ratio of A's old to new speed = 1 : 2

Then, the ratio of previous time to new time = 2 : 1

Total time difference 2 unit - 1 unit = 30 mins + 1 hr = $3/2$ hr

Or, 1 unit = $3/2$ hr

Then, previous time taken by A = 2 unit = $2 \times 3/2 = 3$ hrs

Then, time taken by B (previously) = 3 hr - 30 mins = 2 hr 30mins

Speed of B = $15 / (5/2) = 6$ kmph

Go through the options, with the help of option C,

The speed of B is 6 km/h.

⇒ Time taken by B to cover 15 km = $15/6 = 2 \text{ hrs } 30 \text{ min}$

⇒ Time taken by A to cover 15 km = $2 \text{ hrs } 30 \text{ min} + 30 \text{ min} = 3 \text{ hrs}$

⇒ Speed of A = $15/3 = 5 \text{ km/h}$

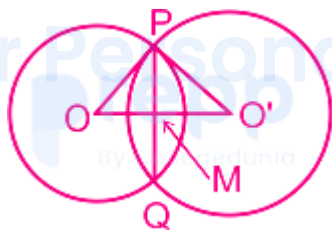
if A doubles his speed, he takes one hour less than B = $2 \text{ hrs } 30 \text{ mins} - 1 \text{ hour} = 1 \text{ hour } 30 \text{ mins}$ (required)

∴ Time is taken by A if A double its speed = $15/10 = 1 \text{ hrs } 30 \text{ min}$

(Equal and satisfied)

66. Answer: c

Explanation:



⇒ $OP = 8 \text{ cm}$, $O'P = 10 \text{ cm}$, $PQ = 12 \text{ cm}$ and $PM = 6 \text{ cm}$

⇒ In $\triangle POM$

By using Pythagoras Theorem

⇒ $(OP)^2 = (OM)^2 + (PM)^2$

⇒ $8^2 = (OM)^2 + 6^2$

$$\Rightarrow OM = \sqrt{28} \text{ cm}$$

$$\Rightarrow \text{In } \triangle PO'M$$

By using Pythagoras Theorem

$$\Rightarrow (O'P)^2 = (O'M)^2 + (PM)^2$$

$$\Rightarrow 10^2 = (O'M)^2 + 6^2$$

$$\Rightarrow O'M = 8 \text{ cm}$$

$$\Rightarrow O'O = OM + O'M = \sqrt{28} + 8 = 5.3 + 8 = 13.3 \text{ cm}$$

67. Answer: d

Explanation:

$$\text{Given : } x + y + z = 19 \text{ and } (xy + yz + zx) = 114$$

$$\text{Formula : } x^3 + y^3 + z^3 - 3xyz = (x + y + z) [(x + y + z)^2 - 3(xy + yz + zx)]$$

$$\Rightarrow x^3 + y^3 + z^3 - 3xyz = 19 (19^2 - 3 \times 114) = 19 \times 19$$

$$\Rightarrow \sqrt{x^3 + y^3 + z^3 - 3xyz} = \sqrt{(19 \times 19)} = 19$$

68. Answer: c

Explanation:

$$\text{Given : } \triangle ABC \text{ is similar to } \triangle DEF.$$

As we know,

$$(\text{Altitude of } \triangle ABC)^2 / (\text{Altitude of } \triangle DEF)^2 = (\text{Area of } \triangle ABC) / (\text{Area of } \triangle DEF)$$

$$\Rightarrow 5^2 / (\text{Altitude of } \triangle DEF)^2 = 100/49$$

$$\Rightarrow (\text{Altitude of } \triangle DEF)^2 = (49 \times 25)/100 \Rightarrow 49/4$$

$$\Rightarrow (\text{Altitude of } \triangle DEF) = \sqrt{(49/4)} \Rightarrow 7/2 = 3.5$$

69. Answer: a

Explanation:

Given:

The average weight of a certain number of students in a class is 68.5 kg.

4 new students having weights 72.2 kg, 70.8 kg, 70.3 kg and 66.7 kg join the class.

The average weight of all the students increases by 300 g

Formula:

Average weight = Total weight/Total number of students

Calculation:

Let the total number of students in the class be x.

\Rightarrow Average weight of all students = 68.5 kg

Total weight of all students = 68.5x kg

Total weight of four students = (72.2 + 70.8 + 70.3 + 66.7) kg = 280 kg

According to the question,

$$\Rightarrow 68.5x + 280 = 68.8(x + 4)$$

$$\Rightarrow 68.5x + 280 = 68.8x + 275.2$$

$$\Rightarrow x = 16$$

\therefore Total number of students initially is 16.

70. Answer: d

Explanation:

Let the expenditure of Raju be $100x$.

Income of Raju = $100x \times [120/100] = 120x$

Saving of Raju = $120x - 100x = 20x$

New income of Raju = $120x \times [160/100] = 192x$

New expenditure of Raju = $100x \times [170/100] = 170x$

\Rightarrow Required percentage = $[(22x - 20x)/20x] \times 100 = 10\%$ (increase)

71. Answer: c

Explanation:

Dimension of rectangular tank $10\text{m} \times 8\text{m} \times 6\text{m}$

Total surface area of rectangular tank = $2(10 \times 8 + 8 \times 6 + 6 \times 10) = 376 \text{ m}^2$

Radius of circle = 1 m

Area of circle = $\pi r^2 = 3.14 \times 1 \times 1 = 3.14$

\therefore Required area = $376 - 3.14 = 372.9$ (approx)

72. Answer: c

Explanation:

We know : $\cos \theta = \text{Base/Hypotenuse}$

$$\Rightarrow \cos \theta = \frac{2p}{(1 + p^2)}$$

Using Pythagoras Theorem

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

$$\Rightarrow (1 + p^2)^2 = (2p)^2 + \text{Perpendicular}^2$$

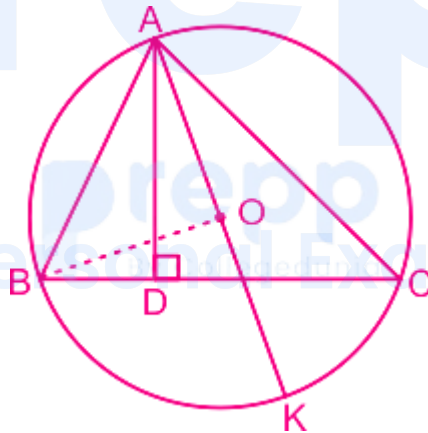
$$\Rightarrow \text{Perpendicular}^2 = (1 - p^2)^2$$

$$\therefore \text{Perpendicular} = (1 - p^2)$$

$$\Rightarrow \tan \theta = \frac{\text{Perpendicular}}{\text{Base}} = \frac{(1 - p^2)}{2p}$$

73. Answer: a

Explanation:



Given $AD \perp BC$, $\angle B = 80^\circ$ and $\angle C = 64^\circ$

Join O to B and join O to C where point O is circum-centre of the triangle.

$$\Rightarrow \angle BOA = 2\angle BCA = 2 \times 64^\circ = 128^\circ$$

In $\triangle BOA$

$$\Rightarrow OB = OA \text{ (radius of the circle)}$$

$$\Rightarrow \angle ABO = \angle OAB$$

$$\Rightarrow \angle ABO + \angle OAB + \angle BOA = 180^\circ$$

$$\Rightarrow 2\angle OAB = 180^\circ - 128^\circ = 52^\circ$$

$$\Rightarrow \angle OAB = 26^\circ$$

In $\triangle ABD$

$$\Rightarrow \angle ABD + \angle BDA + \angle DAB = 180^\circ$$

$$\Rightarrow \angle DAB = 180^\circ - 90^\circ - 80^\circ = 10^\circ$$

$$\Rightarrow \angle DAK = \angle BAO - \angle BAD = 26^\circ - 10^\circ = 16^\circ$$

74. Answer: d

Explanation:

$$\left(\frac{\sin \theta - 2\sin^3 \theta}{2\cos^3 \theta - \cos \theta} \right)^2 + 1$$

$$\Rightarrow \left(\frac{\sin \theta}{\cos \theta} \right)^2 \left(\frac{1 - 2\sin^2 \theta}{2\cos^2 \theta - 1} \right)^2 + 1$$

$$\Rightarrow [\sin \theta / \cos \theta]^2 [\cos 2\theta / \cos 2\theta]^2 + 1 [\because (1 - 2\sin^2 \theta) = (2\cos^2 \theta - 1) = \cos 2\theta]$$

$$\Rightarrow \tan^2 \theta + 1$$

$$\Rightarrow \sec^2 \theta [\because \sec^2 \theta - \tan^2 \theta = 1]$$

75. Answer: a

Explanation:

Production of cars of type a is 2015 and of type C in 2013 = $48 + 52 = 100$

Production of cars of type D in over five years = $50 + 42 + 45 + 46 + 47 = 230$

⇒ Required percentage = $[100/230] \times 100 = 43.5\%$ approx

76. Answer: d

Explanation:

The correct answer is option 4.

*Due to **Cyclone Idai** vast areas of land have been flooded, roads destroyed and communications disrupting in Zimbabwe and Mosambique .*

It can be clearly observed that the sentence is in past participle form from the words '**have been flooded, roads destroyed**'.

So, we will use the past participle form of the verb '**disrupt**' i.e '**disrupted**'.

77. Answer: d

Explanation:

The correct answer is option 4.

The town Zerfaliu's last (5) worker retired six months ago and nobody has been hired since then.

The paragraph states that there were no manual workers left in the town. In the sentence , it is being mentioned that no worker was hired since last six months.

So, options 1,2 and 3 are incorrect.

78. Answer: a

Explanation:

The correct answer is option 1.

The State Government argued that it could not afford the increase in the teachers' salaries as awarded by the court.

Afford means have (a resource such as money or time) available or to spare.

'Afford' is the correct word as the sentence states that the government did not have enough resources to spare so as to increase the teachers' salaries.

So, options 2, 3 and 4 are incorrect.

79. Answer: c

Explanation:

The correct answer is option 3.

The first statement should be B i.e. *'Environmental groups have tagged the Philippines as one of the world's biggest ocean polluters due to its reliance on single-use plastic.'* It gives an introduction of what is being talked about in the following statements.

After B, it should be A i.e. *'That sort of pollution, which is also widespread in other southeast Asian nations, regularly kills wildlife like whales and turtles that ingest the waste.'* In the previous statement, ocean pollution was mentioned so, B gives the consequences of this pollution.

After A, it should be D as it talks about a case in the Philippines and after D, it should be C as it talks about a case in Thailand.

The correct order is **BADC**.

So, options 1,2 and 4 are incorrect.

80. Answer: b

Explanation:

The correct answer is option 2 i.e

Gun-totting guards were guarding the main gate of the building.

Firstly, the 'main gate' becomes the object and 'gun-totting guards' become the subject. Since the passive form contains 'was being guarded', so it means that the active form is in past continuous form. Therefore, we remove 'being' and convert the verb into the past continuous form i.e 'guarding'.

So, options 1,3 and 4 are incorrect.

81. Answer: d

Explanation:

The correct answer is option 4.

Costs an arm and a leg means something which is very expensive.

So, options 1,2 and 3 are incorrect.

82. Answer: c

Explanation:

The correct answer is option 3.

Get out of hand means when something goes out of control.

So, options 1,2 and 4 are incorrect.

83. Answer: a

Explanation:

The correct answer is option 1.

An Italian mayor has been cleaning the streets along with his councilors after their town (1) was left with no manual workers, it's reported.

In the given sentence, simple past tense will be used i.e 'was left' because it is talking about a present situation i.e. mayor cleaning the streets which is a result of something that has already happened i.e. no manual workers left.

So, options 2,3 and 4 are incorrect.

84. Answer: a

Explanation:

The correct answer is option 1.

in front of the (3) local church in preparation for market day

The correct word is 'local' as it correctly defines the church present in the town. Also, 'local' is an adjective used to describe the church whereas 'near' and 'next' are adverbs. We need an adjective in the given blank.

So, options 2,3 and 4 are incorrect.

85. Answer: d

Explanation:

The correct answer is option 4.

Your car should not be parked in front of my house.

In case of a command, while converting to the passive voice we first write the object i.e. car, then 'not be' and lastly the third form of verb i.e 'parked'.

So, options 1,2 and 3 are incorrect.

86. Answer: b

Explanation:

The correct answer is option 2.

Tender means showing gentleness, kindness, and affection.

For eg; She was such a kind and tender lady.

Gentle means having or showing a mild, kind, or tender temperament or character.

Rough means not gentle; violent

For eg; He had a rough behavior toward everyone.

It is clear that tender and rough are antonyms.

Soft means not strong or violent.

Warm means having or showing enthusiasm, affection, or kindness.

So, options 1,3 and 4 are incorrect.

87. Answer: c

Explanation:

The correct answer is option 3.

(4) alongside the deputy mayor's father and a town councilor armed with a high-pressure hose.

'Along' means in a line or next to something long or thin. 'Alongside' means 'next to' or 'close to' something. In the given sentence, 'alongside' will be used to describe the mayor sweeping next to the deputy mayor's father and a town councilor.

So, options 1,2 and 4 are incorrect.

88. Answer: c

Explanation:

The correct answer is option 3.

Tilt means **move or cause to move into a sloping position.**

*For eg; The floor was **tilted**.*

Cross means **go or extend across or to the other side of (an area, stretch of water, etc.).**

Support means **bear all or part of the weight of; hold up.**

Slant means **slope or lean in a particular direction; diverge or cause to diverge from the vertical or horizontal.**

*For eg; The sun **slanted** through the mountains.*

It is clear that slant and tilt are synonyms.

Straighten means **make or become straight.**

So, options 1,2 and 4 are incorrect.

89. Answer: c

Explanation:

The correct answer is option 3.

The correct spelling of the word in option 3 is **competition**.

All the other words in options 1,2 and 4 are correctly spelt.

90. Answer: b

Explanation:

The correct answer is option 2.

I have been looking for a better job for the last two months, but nothing is in sight.

The phrase 'for the last two months' states that the speaker has started an activity in the past which is being continued in the present. So, we will use the present perfect continuous tense i.e. have been looking.

So, options 1,3 and 4 are incorrect.

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91. Answer: b

Explanation:

The correct answer is option 2.

In fact, (2) he was sweeping the piazza

In the sentence, the mayor is being talked about. So, we will use 'he'.

'It' is not used before persons.

'They' is plural so it cannot be used before 'was'.

So, options 1,3 and 4 are incorrect.

92. Answer: b

Explanation:

The correct answer is option 2.

The correct spelling of the word in option 2 is **exemplify**.

All the other words in options 1,3 and 4 are correctly spelt.

93. Answer: d

Explanation:

The correct answer is option 4.

Alien means **belonging to a foreign country**.

Occupant means **a person who resides or is present in a house, vehicle, seat, etc., at a given time.**

Resident means **a person who lives somewhere permanently or on a long-term basis.**

Native means **a person born in a specified place or associated with a place by birth, whether subsequently resident there or not.**

So, options 1,2 and 3 are incorrect.

94. Answer: b

Explanation:

The correct answer is option 2.

If you join this job now, it will prove to be good in the long run.

In the question, the speaker is talking about what will happen in the future i.e. 'long run' if he joins the job now. So, we will use the simple future tense i.e. 'will prove to be'.

So, options 1,3 and 4 are incorrect.

95. Answer: a

Explanation:

The correct answer is option 1.

Scientists at Cambridge University are investigating how plants can give us sustainable energy.

Investigating means to carry out research or study into (a subject or problem, typically one in a scientific or academic field).

Inspecting means to look at (someone or something) closely, typically to assess their condition or to discover any shortcomings.

Scrutinizing means to examine or inspect closely and thoroughly.

Looking means to direct one's gaze in a specified direction.

So, options 2,3 and 4 are incorrect.

96. Answer: d

Explanation:

The correct answer is option 4.

The first statement is C i.e. ' *Four tonnes of ivory, with a market value of \$6 million – it was an impressive haul.* ' It gives the topic which is being talked about in the following statements i.e. 'ivory'.

After C, it is B i.e. ' *Customs officials in Thailand say it's the biggest seizure in the country's history.* ' It describes the haul stating it as the biggest seizure.

After B, it is A i.e. ' *The elephant tusks were tracked from the Democratic Republic of Congo for two months.* ' It describes how the tusks were tracked.

The correct order is CBAD.

So, options 1,2 and 3 are incorrect.

97. Answer: a

Explanation:

The correct answer is option 1.

Escalate means **increase rapidly**.

For eg; The prices are **escalating**.

Reduce means **make smaller or less in amount, degree, or size**.

For eg; They must **reduce** the prices of vegetables.

It is clear that escalate and reduce are antonyms.

Raise means **lift or move to a higher position or level**.

Enlarge means **make or become larger or more extensive**.

Heighten means **make or become more intense**.

So, options 2,3 and 4 are incorrect.

98. Answer: d

Explanation:

The correct answer is option 4.

Itinerant means travelling from place to place.

Truant means a pupil who stays away from school without leave or explanation.

Migrant means a person who moves from one place to another, especially in order to find work or better living conditions.

Vagrant means a person without a settled home or regular work who wanders from place to place and lives by begging.

So, options 1,2 and 3 are incorrect.

99. Answer: d

Explanation:

The correct answer is option 4.

She got two quick promotions in order that she has good communication skills.

In place of 'in order that' we should use 'because' to make the sentence correct as it means that she got promotions because of her communication skills.

So, options 1,2 and 3 are incorrect.

100. Answer: d

Explanation:

The correct answer is option 4.

Garrulous means **excessively talkative, especially on trivial matters.**

*For eg; He was a ***garrulous*** person.*

Concise means **giving a lot of information clearly and in a few words; brief but comprehensive.**

Throaty means **are deep and husky.**

Guttural means **produced at the back of the throat and therefore deep.**

Talkative means **fond of or given to talking .**

*For eg; My driver is very ***talkative***.*

It is clear that garrulous and talkative are synonyms.

So, options 1,2 and 3 are incorrect.

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