



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 CHSL 2018 (Tier-I) Previous Year Paper (09-Jul-2019) (Shift 3)

Total Time: 1 Hour

Total Marks: 200

Instructions

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

English Language

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

CHRONIC

- a. continuing
- b. infrequent
- c. routine
- d. regular

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

It is not the _____ of linguistic skill that makes one an ineffective speaker; it is the dearth of ideas.

- a. complexity
- b. difficulty
- c. poverty
- d. intricacy

3. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. (+2, -0.5)

The express bus generally stops at only the major towns on the route.

- a. generally stop in only the major towns

- b. generally stopped from only the major towns
- c. generally stopping on only the major towns
- d. No improvement

-
4. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. (+2, -0.5)

If I does not pay my post-paid mobile bill by tomorrow I will probably have to pay a fine.

- a. If I has not paid
- b. No improvement
- c. If I do not pay
- d. If I had not paid

-
5. 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)

After a lesson on negative sentences, a pupil tells his teacher, "I ain't got no pencils." She corrects him immediately saying, "The correct way to say (1) _____ is, "I don't have any pencils". "We don't (2) _____ any pencils." "He (3) _____ have any pencils. They don't have any pencils. (4) _____ you understand?" asks the teacher. "No," the boy answers, astonished. "(5) _____ happened to all the pencils?"

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

- a. which

- b. it
- c. them
- d. those

6. 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)

After a lesson on negative sentences, a pupil tells his teacher, "I ain't got no pencils." She corrects him immediately saying, "The correct way to say (1) _____ is, "I don't have any pencils". "We don't (2) _____ any pencils." "He (3) _____ have any pencils. They don't have any pencils. (4) _____ you understand?" asks the teacher. "No," the boy answers, astonished. "(5) _____ happened to all the pencils?"

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

- a. had
- b. having
- c. have
- d. has

7. 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)

After a lesson on negative sentences, a pupil tells his teacher, "I ain't got no pencils." She corrects him immediately saying, "The correct way to say (1) _____ is, "I don't have any pencils". "We don't (2) _____ any pencils." "He (3) _____ have any pencils. They don't have any pencils. (4) _____

you understand?" asks the teacher. "No," the boy answers, astonished. "(5) _____ happened to all the pencils?"

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

- a. do
- b. don't
- c. does
- d. doesn't

8. 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)

After a lesson on negative sentences, a pupil tells his teacher, "I ain't got no pencils." She corrects him immediately saying, "The correct way to say (1) _____ is, "I don't have any pencils". "We don't (2) _____ any pencils." "He (3) _____ have any pencils. They don't have any pencils. (4) _____ you understand?" asks the teacher. "No," the boy answers, astonished. "(5) _____ happened to all the pencils?"

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

- a. Does
- b. Doesn't
- c. Have
- d. Do

9. 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)

After a lesson on negative sentences, a pupil tells his teacher, "I ain't got no pencils." She corrects him immediately saying, "The correct way to say (1) _____ is, "I don't have any pencils". "We don't (2) _____ any pencils." "He (3) _____ have any pencils. They don't have any pencils. (4) _____ you understand?" asks the teacher. "No," the boy answers, astonished. "(5) _____ happened to all the pencils?"

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

- a. Which
- b. What
- c. Where
- d. How

10. Select the most appropriate meaning of the given idiom draw a blank (+2, -0.5)

- a. be happy about something
- b. be lucky in a game
- c. be unsuccessful
- d. be unable to sketch

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

- a. turbulence
 - b. turbulance
 - c. turbulense
 - d. terbulence
-

12. Select the wrongly spelt word.

(+2, -0.5)

- a. comencement
 - b. resentment
 - c. triangulation
 - d. continuation
-

13. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

(+2, -0.5)

- A. But now that his father had asked him to fetch some cheroots, he would have to pass by the high school to reach the shop.
- B. The teachers and students would all be there, and he was ashamed of being seen outdoors.
- C. Of late Krishna had confined himself to the four walls of the house.
- D. Wondering how to get past the school unnoticed, he slowly ventured out.

- a. CABD
- b. CBDA

c. ACBD

d. DACB

- 14. Identify the segment in the sentence which contains the grammatical error. (+2, -0.5)**

The childrens are fond of climbing the mango tree in the garden.

a. in the garden

b. are fond of

c. The childrens

d. climbing the mango tree

- 15. Select the most appropriate word for the given group of words. (+2, -0.5)**

A person who is skilled at writing beautifully

a. cartoonist

b. calligrapher

c. painter

d. artist

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

They will not allow mobile phones in the examination hall.

a. Mobile phones will not be allowed in the examination hall.

- b. Mobile phones were not allowed in the examination hall.
 - c. Mobile phones are not allowed in the examination hall.
 - d. Mobile phones are not being allowed in the examination hall.
-

17. Select the correct indirect form of the given sentence. (+2, -0.5)

The doctor told his patient, "Continue the same course of medicines for the next week."

- a. The doctor told his patient that he may continue the same course of medicines in the following week.
 - b. The doctor told his patient to continue the same course of medicines for the following week.
 - c. The doctor told his patient for continuing the same course of medicines for the next week.
 - d. The doctor told his patient to continued the same course of medicines in the next week.
-

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

MENTAL

- a. physical
 - b. brainy
 - c. ability
 - d. strength
-

19. Select the most appropriate word for the given group of words.

(+2, -0.5)

The statistical study of the population

- a. anthropology
- b. sociology
- c. demography
- d. psychology

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

(+2, -0.5)

FLEETING

- a. ready
- b. lasting
- c. complete
- d. momentary

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

(+2, -0.5)

ANOMALOUS

- a. indirect
- b. peculiar
- c. common
- d. unhealthy

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

late in the day

- a. too delayed to be of any use
- b. too old to work
- c. too ripe to eat
- d. too dark to see anything

23. Identify the segment in the sentence which contains the grammatical error. (+2, -0.5)

The two states frequently has differences over the use of the river water, especially during the summer months.

- a. The two states frequently
- b. over the use of the river water
- c. especially during the summer months
- d. has differences

24. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order. (+2, -0.5)

A. Today, man is master of the world and he makes the animals do what he likes.

B. Others he eats; and those like the lion and the tiger, he shoots for pleasure.

C. Early man, when he first came, must have been surrounded by many huge animals, and he must have lived in fear of them.

D. Some he tames like the horse, the cow, the elephant, the dog, the cat and so many others.

a. BCDA

b. CADB

c. ACBD

d. CBDA

25. Select the most appropriate word to fill in the blank.

(+2, -0.5)

The Chairman advised them to build a bridge between the two companies using _____ and compromise.

a. control

b. negotiation

c. competition

d. strength

General Intelligence

26. In a code language, MYCOLOGY is written as PBFRRORJV. How will AMMONIA be written as in that language? (+2, -0.5)

- a. DPPRQLX
- b. DPJRQLX
- c. DPQRQLD
- d. CPPSQJX

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

6, 10, 26, 62, ?

- a. 216
- b. 92
- c. 126
- d. 112

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

Pick the odd one out.

- a. HJL
- b. SUV
- c. BDF

d. NPR

29. 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)

13 : 65

a. 19 : 95

b. 21 : 85

c. 17 : 42

d. 12 : 45

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

1. Childhood

2. Adulthood

3. Infancy

4. Adolescence

5. Senility

a. 4, 5, 1, 3, 2

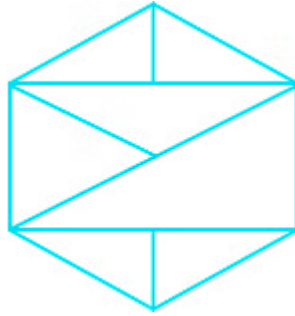
b. 3, 1, 4, 2, 5

c. 5, 3, 1, 4, 2

d. 5, 2, 1, 4, 3

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

(+2, -0.5)



- a. 13
- b. 10
- c. 9
- d. 12

32. 'Lizard' is related to 'Reptiles' in the same way as 'Toad' is related to '_____'.
'_____':

(+2, -0.5)

- a. Amphibians
- b. Vertibreta
- c. Reptiles
- d. Mammals

33. Three of the following four words are alike in a certain way and one is different.

(+2, -0.5)

Pick the odd word out.

- a. Cat

b. Cow

c. Goat

d. Wolf

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

(7, 4, 65)

a. (11, 8, 105)

b. (6, 4, 70)

c. (9, 6, 80)

d. (5, 4, 41)

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

Ginger : Stem :: Chilli : ?

a. Fruit

b. Flower

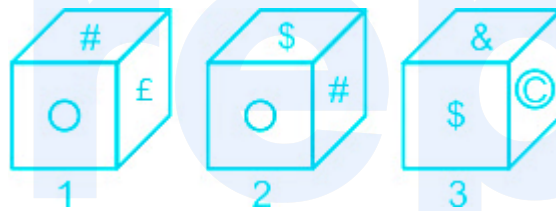
c. Root

d. Stem

36. If RUBY is coded as 264 and PAY is coded as 126, then how will RUPAY be coded as? (+2, -0.5)

- a. 405
- b. 375
- c. 145
- d. 81

37. Three different positions of the same dice are shown. Select the option that will be opposite to the face having '\$'. (+2, -0.5)



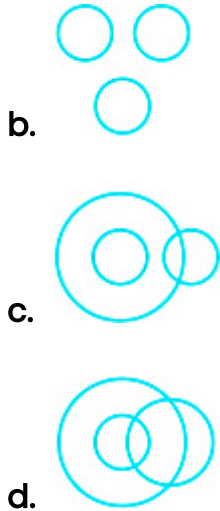
- a. £
- b. ©
- c. #
- d. &

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

Doctors, Males, Brothers



a.



39. 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)

Important : Essential

- a. Never : Always
- b. Up : Down
- c. Pick : Drop
- d. Awful : Horrible

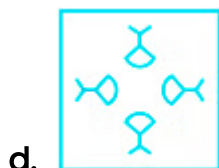
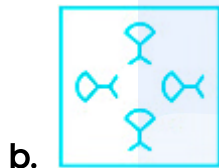
40. Which two signs and two numbers should be interchanged in the following equation to make it correct? (+2, -0.5)

$$18 + 25 - 10 \times 10 \div 5 = 203$$

- a. + and -, 18 and 25
- b. × and -, 18 and 25
- c. + and ÷, 18 and 5

d. $\times$ and $\div$, 25 and 5

41. A paper is folded and cut as shown in the following problem figures (X, Y and Z). Select the answer figure that depicts how the paper will appear when unfolded. (+2, -0.5)



42. Select the correct mirror image of the given figure when the mirror is placed at the bottom of the figure. (+2, -0.5)



a.



b.



c.



d.

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

(16, 4, 80)

a. (13, 5, 78)

b. (11, 7, 77)

c. (6, 4, 40)

d. (5, 5, 70)

44. Sona is sister of Ramesh and daughter of Mohit. Rama is wife of Mohit and Mother of Prabhat. How Ramesh is related to Prabhat? (+2, -0.5)

- a. Cousin
- b. Brother
- c. Father
- d. Son

45. 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. 87
- b. 71
- c. 73
- d. 59

46. Three 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:

All eggs are hens.

All hens are birds.

All birds are crows.

Conclusions:

- I. All eggs are crows.
 - II. All hens are crows.
 - III. Some crows are birds.
- a. Only conclusion I and II follow.
 - b. All conclusions I, II and III follow.
 - c. Only conclusion I follows.
 - d. Only conclusion II and III follow.

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

(+2, -0.5)



d.



48. What will be the day of the week on 15 August 2021?

(+2, -0.5)

a. Monday

b. Saturday

c. Wednesday

d. Sunday

49. Select the option in which the given figure X is embedded. (Rotation not allowed)

(+2, -0.5)



a.



b.



c.





d.

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

OL, QO, __, UU, WX

a. SU

b. RS

c. ST

d. SR

prepp

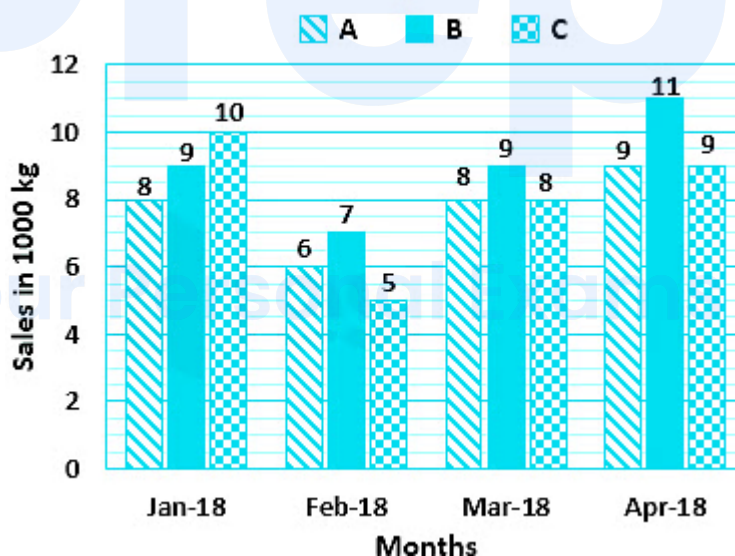
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Quantitative Aptitude

51. The simplified value of $2\frac{1}{3}$ of $(\frac{3}{5} \div \frac{2}{9}) - (4\frac{2}{5} + \frac{19}{20} \div \frac{1}{2})$ is: (+2, -0.5)

- a. 12
- b. 14
- c. 0
- d. 1

52. **Directions:** The given Bar Graph presents the sale (in 1000 kg) of a particular brand of tea by three outlets, A, B and C during the months Jan, Feb, Mar and Apr, 2018. (+2, -0.5)



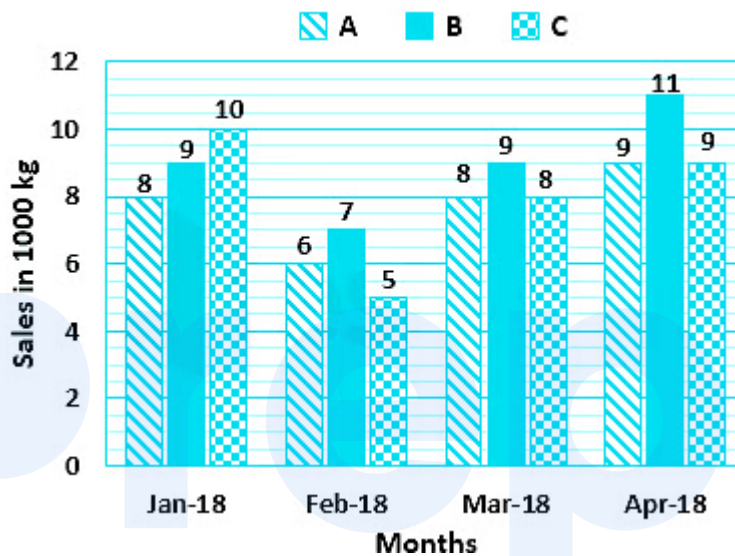
By how much quantity is the average sale per month from B more or less than that from C?

- a. More by 500 kg
- b. Less by 1000 kg

c. More by 1000 kg

d. Less by 800 kg

53. **Directions:** The given Bar Graph presents the sale (in 1000 kg) of a particular brand of tea by three outlets, A, B and C during the months Jan, Feb, Mar and Apr, 2018. (+2, -0.5)



What is the average sale per month by A during Jan-Mar, 2018?

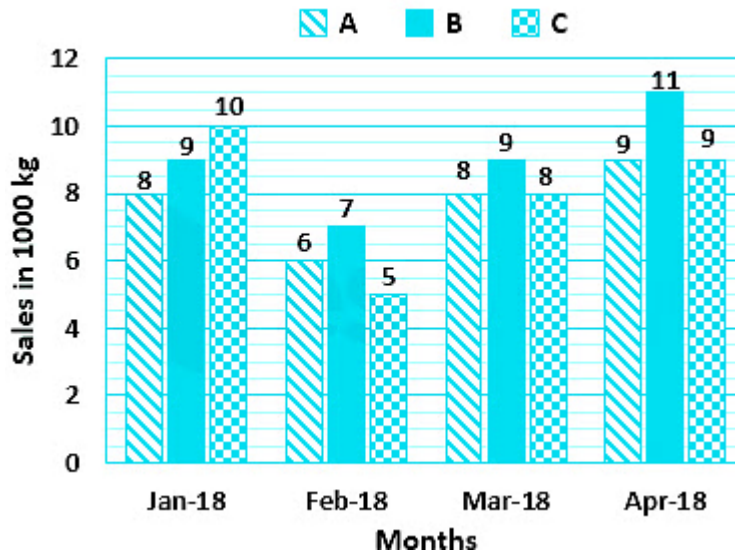
a. 7505 kg

b. 7333.33 kg

c. 7334.67 kg

d. 5500 kg

54. **Directions:** The given Bar Graph presents the sale (in 1000 kg) of a particular brand of tea by three outlets, A, B and C during the months Jan, Feb, Mar and Apr, 2018. (+2, -0.5)

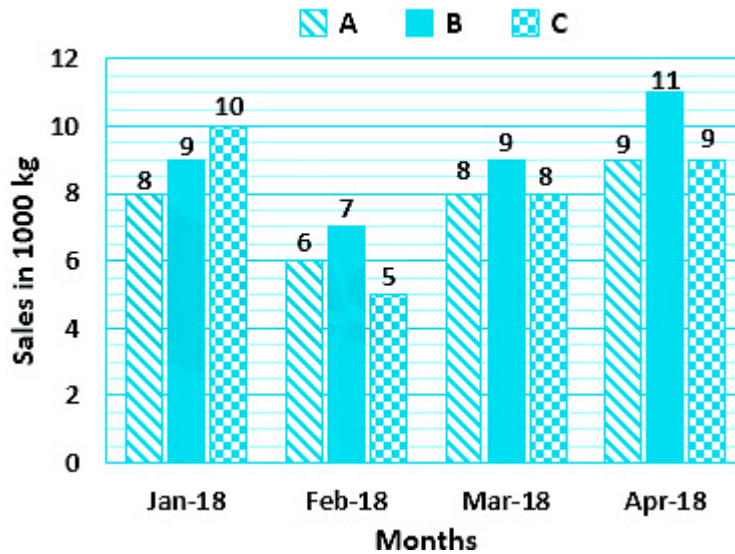


Arrange the ratio of sales from B to that from A and C, taken together, month wise in ascending order.

- a. Jan, Feb, Mar, Apr
- b. Jan, Apr, Mar, Feb
- c. Jan, Mar, Apr, Feb
- d. Jan, Mar, Feb, Apr

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55. **Directions:** The given Bar Graph presents the sale (in 1000 kg) of a particular brand of tea by three outlets, A, B and C during the months Jan, Feb, Mar and Apr, 2018. (+2, -0.5)



What is the ratio of rate of growth in sales from B to the rate of growth in sales from C in Mar 2018 with reference to its previous month?

- a. 9 : 19
- b. 10 : 19
- c. 10 : 21
- d. 9 : 16

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56. The circumcentre, incentre, orthocentre and the centroid of a triangle are one and the same point. The triangle must be: (+2, -0.5)

(a) isosceles (b) right-angled (c) right-angled isosceles (d) equilateral

- a. (b)
- b. (d)
- c. (c)
- d. (a)

57. Two items are sold for Rs. 18,602 each. On one item there has been a gain of 31% and on the second item a loss of 29%. What was the overall loss or gain in the transaction? (+2, -0.5)

- a. Gain 7.91%
- b. Loss 8.25%
- c. Gain 8.25%
- d. Loss 7.91%

58. For θ being an acute angle, it is given that, $3 (\operatorname{cosec}^2 \theta + \cot^2 \theta) = 5$. Then θ is equal to: (+2, -0.5)

- a. 0°
- b. 30°
- c. 45°
- d. 60°

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59. In a triangle ABC, PQ is a straight line parallel to AC, such that Area ABC : Area PBQ = 3 : 1 Then CB : CQ is equal to: (+2, -0.5)

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

60. The value of the expression $\frac{1}{4} \left\{ \left(a + \frac{1}{a} \right)^2 - \left(a - \frac{1}{a} \right)^2 \right\}$ is: (+2, -0.5)

- a. 1
- b. 4
- c. $\frac{1}{4}$
- d. $\frac{1}{2}$

61. The average of a number and its reciprocal is 4. The average of its cube and its reciprocal is equal to: (+2, -0.5)

- a. 142
- b. 244
- c. 288
- d. 256

62. Which among the following increases continuously in the range $0^\circ < \theta < 90^\circ$? (+2, -0.5)

- a. $\tan \theta$
- b. $\operatorname{cosec} \theta$
- c. $\cot \theta$
- d. $\cos \theta$

63. If $a : b : c = 1 : 3 : 5$, what is the value of $\frac{4a-b+2c}{3(a+b+c)}$? (+2, -0.5)

- a. $10/27$
- b. $8/27$
- c. $11/27$
- d. $1/3$

64. The seven digit number $78x1y68$ is divisible by 88. The value of $(x + y)$ is: **(+2, -0.5)**

- a. 10
- b. 11
- c. 14
- d. 13

65. If $(3x + 1)^3 + (x - 3)^3 + (2x - 4)^3 = 3(3x + 1)(x - 3)(2x - 4)$, then x is equal to: **(+2, -0.5)**

- a. 2
- b. 3
- c. 1
- d. -13

66. The simplified value of $\frac{1.0025 + 6.25 \times 10^{-6}}{0.0025 + 0.95}$ is: **(+2, -0.5)**

- a. 1.0005
- b. 1.0525

c. 1.0505

d. 1.0025

67. A certain sum invested on compound interest grows to Rs. 8,000 and Rs. 27,000 in three and six years, respectively when the interest is compounded annually, what is the percentage rate of interest? (+2, -0.5)

a. 10%

b. 0.5%

c. 50%

d. 25%

68. If I travel by bus, I reach my office 15 min late, and if I travel by car, I reach 10 min early. If the distance between my home and my office is 25 km, then the difference of the reciprocals of average speeds of the bus and the car, in second per metre is: (+2, -0.5)

a. $3/20$

b. $3/50$

c. $3/25$

d. $3/10$

69. In a stadium an athlete is running on a circular path with uniform speed during a practice session. The angle covered by him during one second is found to be 10° by coach observing him from the centre of the circular (+2, -0.5)

track. What would be the measure of angle (in degree) described by the athlete by an observer standing on the circle?

- a. it depends on the exact position of the observer on the circle
- b. 20
- c. 10
- d. 5

70. If A, B and C can respectively complete a piece of work in 20, 24 and 36 days respectively, how many days will they take to complete the work. If they work together? (+2, -0.5)

- a. $8\frac{16}{43}$
- b. $6\frac{1}{4}$
- c. $9\frac{1}{4}$
- d. $7\frac{19}{20}$

71. Two chords AB and CD of a circle intersect at a point O inside the circle. It is given that AO = 1 cm, AB = 13 cm, CD = 8 cm. what is the ratio between the larger and smaller section among CO and OD? (+2, -0.5)

- a. 3 : 1
 - b. 5 : 3
 - c. 9 : 7
 - d. 11 : 5
-

72. For an examination of a practical based subject, the total marks is 100. The break-up for theory, practical, project and viva voce is 40%, 30%, 20%, 10%. A candidate scored 80% in theory, 70% in practical, 60% in project and 50% in viva voce. What was her aggregate percentage? (+2, -0.5)

- a. 70
- b. 68
- c. 67
- d. 72

73. The diagonals of rhombus are respectively 4 cm and 12 cm. Its area (in cm^2) is equal to: (+2, -0.5)

- a. 24
- b. 36
- c. 8
- d. 12

74. An article is sold for Rs. 688.16 after two successive discounts of 12% and 8% respectively. What is its marked price? (+2, -0.5)

- a. Rs. 900
- b. Rs. 800
- c. Rs. 820
- d. Rs. 850

75. If θ is an acute angle, and it is given that $5 \sin\theta + 12 \cos\theta = 13$, then what is the value of $\tan\theta$? (+2, -0.5)

- a. $5/13$
- b. $12/13$
- c. $13/12$
- d. $5/12$

Prepp

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General Awareness

76. A savings fund in which both, the employer and the employee contribute regularly in the interest of the employee is known as: (+2, -0.5)

- a. Balanced Fund
- b. Provident Fund
- c. Index Fund
- d. Mutual Fund

77. Burzahom, the neolithic site, is located in _____. (+2, -0.5)

- a. Jammu and Kashmir
- b. Mizoram
- c. Karnataka
- d. Goa

78. Which of the following is a supercomputer developed by India? (+2, -0.5)

- a. Pixir
- b. Param Yuva 2
- c. Onshape
- d. Venngage

79. Which of the following rivers originates from Mahabaleshwar? (+2, -0.5)

- a. Sabarmati
 - b. Kaveri
 - c. Tapi
 - d. Krishna
-

80. Who among the following was appointed as the first Viceroy of British India? (+2, -0.5)

- a. Lord Irwin
 - b. Lord Mayo
 - c. Lord Canning
 - d. Lord Wavell
-

81. The Hirakud Dam is built across the river: (+2, -0.5)

- a. Tungabhadra
 - b. Koyna
 - c. Mahanadi
 - d. Damodar
-

82. Which of the following companies is a Navratna company? (+2, -0.5)

- a. Engineers India Limited
- b. Rashtriya Chemicals and Fertilizers Limited

- c. Steel Authority of India Limited
 - d. Coal India Limited
-

83. 'Freedom in Exile' is the autobiography of _____. (+2, -0.5)

- a. Mahatma Gandhi
 - b. Nelson Mandela
 - c. Jiddu Krishnamurti
 - d. Dalai Lama
-

84. In which of the following states is Ashtamudi Lake situated? (+2, -0.5)

- a. Odisha
 - b. Tamil Nadu
 - c. Kerala
 - d. Andhra Pradesh
-

85. Which of the followings, is NOT a Peninsular river? (+2, -0.5)

- a. Krishna
 - b. Narmada
 - c. Alaknanda
 - d. Mahanadi
-

86. With reference to Remote Sensing Technology, what does LIDAR stand for? (+2, -0.5)

- a. Light Direction and Revolving
- b. Light Dimension and Reflection
- c. Light Detection and Ranging
- d. Light Distraction and Refraction

87. Which of the following Articles of the Constitution of India is associated with the election of the President of India? (+2, -0.5)

- a. Article 74
- b. Article 54
- c. Article 78
- d. Article 103

88. Who is the author of the book 'The End of Imagination'? (+2, -0.5)

- a. Arundhati Roy
- b. Shobhaa De
- c. Chetan Bhagat
- d. Amitav Ghosh

89. India and Asia's first Dolphin Research Centre will be set up in _____. (+2, -0.5)

- a. Varanasi
 - b. Haridwar
 - c. Patna
 - d. Devprayag
-

90. According to Randstad Employer Brand Research 2019 Report, which of the following has been rated as India's most attractive employer brand? (+2, -0.5)

- a. Amazon India
 - b. Larsen and Toubro
 - c. Microsoft
 - d. Samsung
-

91. Who among the following was appointed as the first Deputy Speaker of the Lok Sabha? (+2, -0.5)

- a. M. Ananthasayanam Ayyangar
 - b. V Narahari Rao
 - c. Vithalbhai J Patel
 - d. G V Mavalankar
-

92. Which of the following is NOT an anti-virus software? (+2, -0.5)

- a. Kaspersky

- b.** Norton
 - c.** Linux
 - d.** Avast
-

93. The 1979 Cricket World Cup was won by _____. (+2, -0.5)

- a.** Australia
 - b.** West Indies
 - c.** Sri Lanka
 - d.** England
-

94. Who among the following first translated the 'Bhagvad Gita' into English? (+2, -0.5)

- a.** George Yule
 - b.** Vincent Arthur Smith
 - c.** Max Muller
 - d.** Charles Wilkins
-

95. Which of the following temples is correctly matched with its location? (+2, -0.5)

- a.** Mallikarjuna-Andhra Pradesh
- b.** Baidyanathdham-Odisha
- c.** Trimbakeshwar-Karnataka

d. Somnath-Bihar

96. The National Institute of Mental Health and Neuro Sciences (NIMHANS) is located in: (+2, -0.5)

- a. Indore**
 - b. Kolkata**
 - c. Puducherry**
 - d. Bengaluru**
-

97. With which of the following sports is the Derby Trophy associated? (+2, -0.5)

- a. Golf**
 - b. Chess**
 - c. Snooker**
 - d. Horse Racing**
-

98. Who was appointed as the new Director General of Inter Service Intelligence (ISI) of Pakistan in June 2019? (+2, -0.5)

- a. Faiz Hameed**
 - b. Rizwan Akhtar**
 - c. Riaz Hussain**
 - d. Hamid Gul**
-

99. Which of the following is a ProKabaddi Team?

(+2, -0.5)

- a. Sunrisers Hyderabad
- b. Delhi Capitals
- c. Telugu Titans
- d. Mumbai Indians

100. Which of the following vehicles launched the RISAT-2B satellite in May 2019 from Satish Dhawan Space Centre?

(+2, -0.5)

- a. PSLV-C46
- b. PSLV- C41
- c. PSLV-C42
- d. PSLV-C26

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Answers

1. Answer: b

Explanation:

The meanings of the given words are as follows:

chronic: constantly recurring or (of an illness) persisting for a long time

1. continuing: without a break in continuity.
2. infrequent: not occurring often.
3. routine: a sequence of actions regularly followed.
4. regular: recurring at uniform intervals.

Clearly, '**chronic**' and '**infrequent**' are words with **opposite** meanings.(**antonyms**)
Thus, option **2** is the correct answer.

2. Answer: c

Explanation:

The correct answer is **option 3) i.e. poverty**.



Explanation–

- The given sentence talks about the inefficacy of language and in the latter part of the given sentence, the word 'dearth' has been used, which shows that in the blank a word will be used that has the meaning similar to 'dearth'.
- Poverty means lacking money for something. It also means 'the state of being inferior in quality or insufficient in amount'. Hence, it is similar to 'dearth'.
- Hence, the most appropriate word to use in the blank is '**poverty**'.



Let's look at the meaning of other given options-

- Complexity: the state or quality of being or complicated.
- Intricacy: the quality of being intricate.
- Difficult: needing much effort or skill to accomplish, deal with, or understand

3. Answer: d

Explanation:

The correct answer is **option 4) i.e. No improvement.**

- The given sentence is a **routine action** and the tense used for routine action is the **present indefinite tense**.
- The subject in the sentence is **singular** i.e. bus, hence the **verb** used also be **singular**, so, the usage of the verb '**stops**' is correct.
- Hence, the given sentence is grammatically correct and needs no improvement.

4. Answer: c

Explanation:

The correct answer is **option 3) i.e. If I do not pay.**

- The given sentence is a **conditional sentence**, hence, the first action should be in the present **indefinite tense** and the second sentence will be in the **future indefinite tense**.
- And in the present indefinite tense, if the subject is 'I' the helping verb i.e. do does not take '**s/es**' with it.
- So, '**do not**' will be used in place of '**does not**'.

5. Answer: b

Explanation:

The correct answer is **option 2) i.e. it.**

- In the given blank we need a pronoun to be used in place of 'the given sentence'.
 - And the sentence is a **non-living thing** and singular.
 - Hence, 'it' will be used as a **pronoun** in the given blank.
-

6. Answer: c

Explanation:

The correct answer is **option 3) i.e. have.**

- The given sentence is in **present tense**, so, option 1) i.e. 'had' cannot be used here.
 - And the subject is plural in the given sentence i.e. 'we', hence, the verb will also be plural i.e. have.
 - Because 'has' is used for singular subjects and 'have' is used for plural subjects.
-

7. Answer: d

Explanation:

The correct answer is **option 4) i.e. doesn't.**

- The given sentence implies that the subject does not have any pencils, hence, 'not' will be used with the helping verb.
- And the subject is **singular** i.e. he, in the given sentence, hence, the helping verb will also be singular i.e. **does**.

- So, the correct word to fill in the given blank is '**doesn't**'.
-

8. Answer: d

Explanation:

The correct answer is **option 4) i.e. do**.

- The given sentence is in **present indefinite tense**, hence, the helping verb that can be used here is '**do/does**'.
 - The subject in the given sentence is '**you**' and it takes '**do**' as a helping verb with it.
 - So, the correct word to use in the blank is '**do**'
-

9. Answer: b

Explanation:

The correct answer is **option 2) i.e. what**.

- The given sentence is an **interrogative** sentence.
 - And '**what**' is used to ask a direct question. Hence, it is the most appropriate word to use in the given blank.
-

10. Answer: c

Explanation:

The correct answer is **option 3) i.e. be unsuccessful**.

- Draw a blank: elicit no successful response, fail.
-

11. Answer: a

Explanation:

The correct answer is **option 1) i.e. turbulence.**

- Turbulence: violent or unsteady movement of air or water, or of some other fluid.

12. Answer: a

Explanation:

The correct answer is **option 1) commencement.**

- The correct spelling is **commencement** which means the beginning of something.
- Resentment: bitter indignation at having been treated unfairly.
- Triangulation: formation of or division into triangles.
- Continuation: the action of carrying something on over time or the state of being carried on.

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13. Answer: a

Explanation:

The correct answer is **option 1) i.e. CABD.**

- From the given sentences 'C' is the only sentence in which a **proper noun** i.e. **Krishna** has been used.
- And all the sentences talk about him, hence, 'C' is the independent sentence and it will be the first sentence.
- Sentence 'A' will follow the sentence 'C', because the sentence 'A' talks about going out of Krishna and sentence 'C' talks about confining of Krishna, hence,

these two sentences are interconnected and they will be used together.

- Sentence 'B' will follow the sentence 'A' because in the sentence 'A' the word 'school' has been used and in the sentence 'B' 'teachers and students' has been used, so, 'B' will follow 'A'.
- Hence, the correct sequence is CABD.

14. Answer: c

Explanation:

The correct answer is **option 3) i.e. the childrens**.

- The use of 'childrens' is wrong.
- The plural form of 'child' is 'children'.
- Hence, '**the children**' will be used in the given sentence.

15. Answer: b

Explanation:

The correct answer is option 2 i.e. **calligrapher**.



Let's look at the meaning of the given options-

- **cartoonist** – an artist who draws cartoons.
- **calligrapher** – a person who is skilled at art producing beautiful writing.
- **painter** – an artist who paints pictures.
- **artist** – a person who creates paintings or drawings as a profession or hobby.

Hence from the above-given meanings, we find that the correct answer is **option 2 i.e. calligrapher**.

16. Answer: a

Explanation:

The correct answer is option 1.

Future indefinite tense **Active form**- subject + will/shall + v1 + object + other words.

Future indefinite tense **Passive form**- object + will/shall + be + v3 + by + subject + other words.

Option 1 follows this rule so, the chosen option is correct.

17. Answer: b

Explanation:

The correct answer is option 2.

When reported speech starts with main verb(imperative sentence) we convert this sentence in To +V1 form for making indirect speech.

Only In option 2 sentence is in construction of TO + v1 (to continue).

So, the chosen option is correct.

18. Answer: a

Explanation:

The correct answer is **option 1 i.e. physical.**



Explanation:

MENTAL – relating to the mind.

- **physical** – relating to the body as opposed to the mind.
- **brainy** – having or showing intelligence.
- **ability** – possession of the means or skill to do something.
- **strength** – the quality or state of being physically strong.

The chosen word shows the opposite meaning of the given word.

19. **Answer: c**

Explanation:

The correct answer is **option 3 i.e. demography**



Let's look at the meaning of the given options–

- **anthropology** – the study of human societies and cultures and their development.
- **sociology** – the study of the development, structure, and functioning of human society.
- **demography** – the study of statistics such as births, deaths, income, or the incidence of disease, which illustrate the changing structure of human populations.
- **psychology** – the scientific study of the human mind and its functions, especially those affecting behaviour in a given context.

Hence from the above–given meanings, we find that the correct answer is option 3 i.e. demography

20. Answer: d

Explanation:

The correct answer is option 4 i.e. **momentary** .



Explanation:

FLEETING – lasting for a very short time.

- **ready** – in a suitable state for action or situation; fully prepared.
- **lasting** – enduring or able to endure over a long period of time.
- **complete** – having all the necessary or appropriate parts.
- **momentary** – lasting for a very short time; brief.

The chosen option expresses the meaning of the given word.

21. Answer: b

Explanation:



Explanation:

ANOMALOUS– deviating from what is standard, normal, or expected.

1. indirect– not directly caused by or resulting from something.
2. peculiar– **different to what is normal or expected; strange.**
3. common– occurring, found, or done often; prevalent.
4. unhealthy– harmful to health.

Clearly, 'peculiar' and 'anomalous' are words with **similar** meanings.
Thus, the correct answer is option **2**.

22. Answer: a

Explanation:

The correct answer is 1 i.e. too delayed to be of any use.

The meaning of the given phrase is -at a late stage in proceedings, especially too late to be useful.

23. Answer: d

Explanation:

The correct answer is option 4.

singular subject- singular verb

plural subject - plural verb

as subject (two states) is plural we need to use plural verb (have).

The correct sentence will be-

The two states frequently have differences over the use of the river water, especially during the summer months.

24. Answer: b

Explanation:

The correct answer is option 2 i.e. CADB.

As after reading one or two lines it can be said that this para jumble is talking about the evolution of man.

So, we must start this with the early life of a human on the earth.

Sentence C conveys this idea so, this should be the first sentence.

we have C at first position in options 2 and 4.

B & D are the sentences talking about today's man and sentence A is introducing the man today. So sentence A will follow sentence C.

Sentence B starts with others so it can not just after A as the use 'others' won't convey a clear meaning.

So we have only one choice now that Sentence D will follow sentence A and then B will come.

Thus, the correct order is CABD.

25. Answer: b

Explanation:

The correct answer is option 2 i.e. **negotiation**.

control - the power to influence or direct people's behaviour or the course of events.

negotiation - discussion aimed at reaching an agreement.

competition - the activity or condition of striving to gain or win something by defeating or establishing superiority over others.

strength - the quality or state of being physically strong.

As we have COMPROMISE after the blank we need to use option according to it.

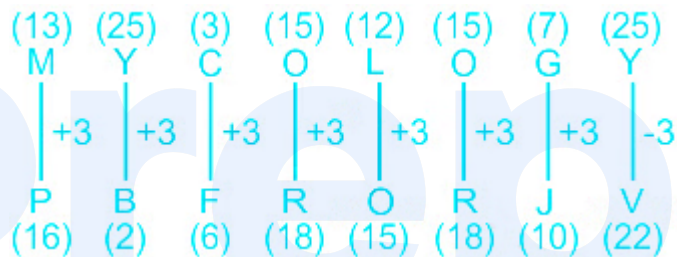
Only option 2 shows meaning according to the next given word so this will be the right choice.

26. Answer: a

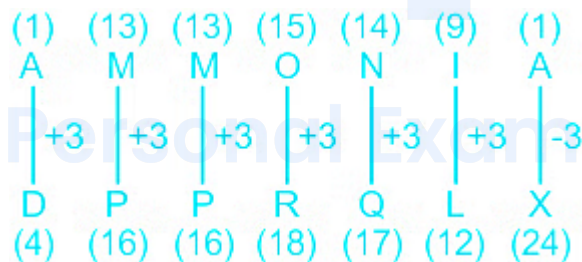
Explanation:

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

The pattern followed here is:



Similarly,

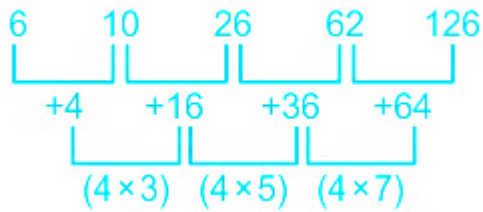


Hence, "DPPRQLX" is the correct answer.

27. Answer: c

Explanation:

The pattern followed here is:



Hence, "126" is the correct answer.

28. 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 pattern followed here is:

- 1) $HJL \rightarrow H + 2 = J, J + 2 = L$
- 2) $SUV \rightarrow S + 2 = U, U + 2 = W \neq V$
- 3) $BDF \rightarrow B + 2 = D, D + 2 = F$
- 4) $NPR \rightarrow N + 2 = P, P + 2 = R$

Hence, "SUV" is the correct answer.

29. Answer: a

Explanation:

The pattern followed here is:

Given: $13 : 65 \rightarrow 13 \times 5 = 65$

1) $19 : 5 \rightarrow 19 \times 5 = 95$

2) $21 : 85 \rightarrow 21 \times 5 = 105 \neq 85$

3) $17 : 42 \rightarrow 17 \times 5 = 85 \neq 42$

4) $12 : 45 \rightarrow 12 \times 5 = 60 \neq 45$

Hence, "19 : 95" is the correct answer.

30. Answer: b

Explanation:

Following are the stages of life of a human being in a logical order:

3) Infancy

1) Childhood

4) Adolescence

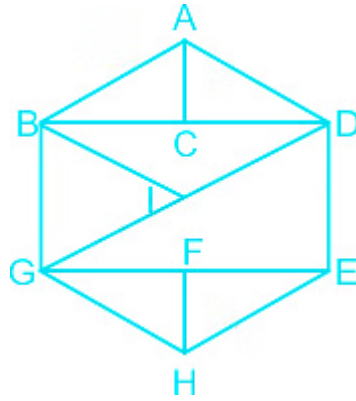
2) Adulthood

5) Senility

Hence, "3, 1, 4, 2, 5" is the correct answer.

31. Answer: b

Explanation:



When a triangle is divided in different bases, then count the number of triangles and add them all.

In triangle ABD, we have two bases = BC and CD $\Rightarrow$ 3 triangles

In triangle BGD, we have two bases = GI and ID $\Rightarrow$ 3 triangles

In triangle EGH, we have two bases = GF and FE $\Rightarrow$ 3 triangles

The last triangle remaining is GED.

Thus, total triangles = $3 + 3 + 3 + 1 = 10$

Hence, "10" is the correct answer.

32. Answer: a

Explanation:

The pattern followed here is:

Lizard is an example of Reptiles.

Similarly,

Toad is an example of Amphibians.

Hence, "Amphibians" is the correct answer.

33. Answer: d

Explanation:

Except wolf, all others are domestic animals.

Wolf is a wild animal.

Hence, "wolf" is the correct answer.

34. Answer: d

Explanation:

The pattern followed here is:

Given: $(7, 4, 65) \rightarrow 7^2 + 4^2 = 49 + 16 = 65 = 65$

1) $(11, 8, 105) \rightarrow 11^2 + 8^2 = 121 + 64 = 185 \neq 105$

2) $(6, 4, 70) \rightarrow 6^2 + 4^2 = 36 + 16 = 52 \neq 70$

3) $(9, 6, 80) \rightarrow 9^2 + 6^2 = 81 + 36 = 117 \neq 80$

4) $(5, 4, 41) \rightarrow 5^2 + 4^2 = 25 + 16 = 41 = 41$

Hence, "(5, 4, 41)" is the correct answer.

35. Answer: a

Explanation:

Ginger : Stem $\rightarrow$ Ginger is a stem.

Chilli : ?

By going through the options:

- 1) Fruit → Chilli will be considered as fruit.
- 2) Flower → Chilli is not a flower.
- 3) Root → Chilli never grows in soil.
- 4) Stem → Chilli is not a stem.

After, removing the last three options, we are left with only "Fruit". So, Chilli is considered as a fruit.

Hence, "fruit" is the correct answer.

36. 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

The pattern followed here is:

RUBY → $18 + 21 + 2 + 25 = 66$ and $66 \times 4 = 264$ where 4 is the no. of letters in the word RUBY.

PAY → $16 + 1 + 25 = 42$ and $42 \times 3 = 126$ where 3 is the no. of letters in the word PAY.

Similarly,

RUPAY → $18 + 21 + 16 + 1 + 25 = 81$ and $81 \times 5 = 405$ where 5 is the no. of letters in the word RUPAY.

Hence, 405 is the correct answer.

37. Answer: a

Explanation:

Adjacent elements of \$ = O, #, &, ©

Adjacent elements can never be on the opposite surface of a particular element.

The only element left is £.

So, £ will be opposite to the face having \$.

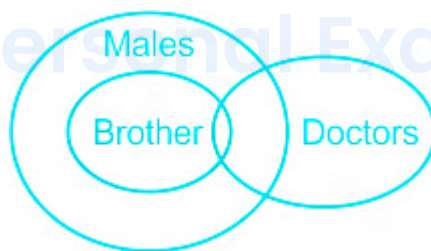
Hence, "£" is the correct answer.

38. Answer: d

Explanation:

All brothers are Males, but all brothers and males need not be doctors.

The best possible Venn diagram is as follows:



Hence, "option 4" is the correct answer.

39. Answer: d

Explanation:

The pattern is as follows:

Important : Essential → Essential and Important are synonyms .

1) Never : Always → Never and Always are antonyms.

2) Up : Down → Up and Down are antonyms.

3) Pick : Drop → Pick and Drop are antonyms.

4) Awful : Horrible → Awful and Horrible are synonyms .

Hence, "Awful : Horrible" is the correct answer.

40. Answer: b

Explanation:

Given equation: $18 + 25 - 10 \times 10 \div 5 = 203$

1) + and -, 18 and 25

$$25 - 18 + 10 \times 10 \div 5$$

$$= 25 - 18 + 10 \times 2$$

$$= 25 - 18 + 20$$

$$= 45 - 18$$

$$= 27 \neq 203$$

2) $\times$ and -, 18 and 25

$$25 + 18 \times 10 - 10 \div 5$$

$$= 25 + 180 - 2$$

$$= 205 - 2$$

$$= 203$$

3) + and $\div$, 18 and 5

$$5 \div 25 - 10 \times 10 + 18$$

$$= 0.2 - 100 + 18$$

$$= 18.2 - 100$$

$$= -81.8 \neq 203$$

4) $\times$ and $\div$, 25 and 5

$$18 + 5 - 10 \div 10 \times 25$$

$$= 23 - 1 \times 25$$

$$= 23 - 25$$

$$= -2 \neq 203$$

Hence, " $\times$ and $-$, 18 and 25" is the correct answer.

41. Answer: d

Explanation:

When unfolded, the paper will look like the below figure:



Hence, "option 4" is the correct answer.

42. Answer: a

Explanation:

The mirror image of the question figure is as follows:



Hence, "option 1" is the correct answer.

43. Answer: a

Explanation:

Given: $(16, 4, 80) \rightarrow 16 \times 4 + 16 = 64 + 16 = 80$

Similarly,

$(13, 5, 78) \rightarrow 13 \times 5 + 13 = 65 + 13 = 78$

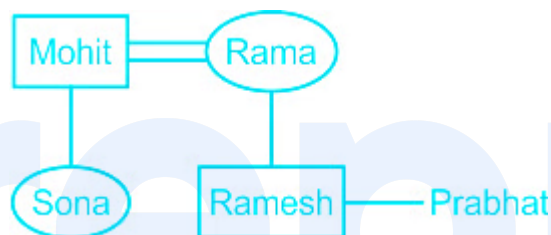
Hence, "(13, 5, 78)" is the correct answer.

44. Answer: b

Explanation:

Using the below table, we can draw the family tree:

Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
	Difference of a generation



Here, the gender of Ramesh was not defined, but in this case, we have only three choices i.e. can't be determined, brother, sister.

According to options, Ramesh will be the brother of Prabhat.

Hence, "brother" is the correct answer.

45. Answer: a

Explanation:

71, 73 and 59 are prime numbers.

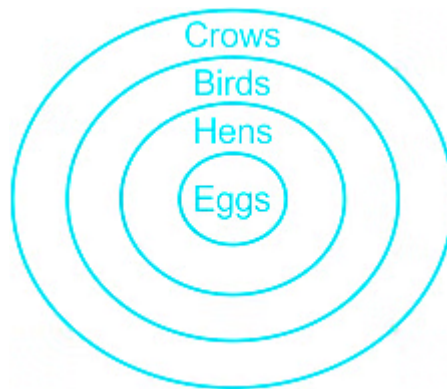
But $87 = 29 \times 3$. Therefore, 87 is a composite number.

Hence, "87" is the correct answer.

46. Answer: b

Explanation:

The least possible Venn diagram is as follows:



Explanation:

I. All eggs are crows → True (All eggs are hens, which are birds, which in turn are crows. So, all eggs are crows is true).

II. All hens are crows → True (All hens are birds, which are crows. So, all hens are crows is true).

III. Some crows are birds → True (All birds are crows. So, some part of crows will be birds)

Hence, "All conclusions I, II and III follow" is the correct answer.

47. Answer: d

Explanation:

In the given series, the figure is rotating in an anticlockwise direction.

The no. of dots reduces by 1 at each step.



Hence, "option 4" is the correct answer.

48. Answer: d

Explanation:

Till 2000, odd days = 0 (2000 is a century leap year)

Odd days in 20 years (from 2001 to 2020) = (No. of leap years $\times$ 2 + no. of non-leap years $\times$ 1) mod 7 = $(5 \times 2 + 15 \times 1) \text{ mod } 7 = \text{remainder of } (25 \div 7) = 4$

2021 is a non-leap year

Odd days in 2021 $\rightarrow$ (odd days in jan + odd days in feb + odd days in march + odd days in april + odd days in may + odd days in june + odd days in july + odd days till 15 august) mod 7

Odd days = $3 + 0 + 3 + 2 + 3 + 2 + 3 + 1 = 17$ odd days = $17 \div 7 = 3$ days

Total odd days = 4 odd days + 3 odd days = 7 odd days

Total odd days = $7 \div 7 = 0$ (remainder) $\rightarrow$ 0 odd days

Codes for the days:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
0	1	2	3	4	5	6

We've got 0 odd days.

Thus, 15 August 2021 fell on a Sunday.

Hence, "Sunday" is the correct answer.

49. Answer: b

Explanation:

The question figure is embedded in the below figure:



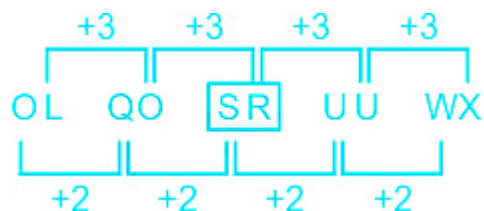
Hence, "option 2" is the correct answer.

50. Answer: d

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 pattern followed here is:



Hence, "SR" is the correct answer.

51. Answer: c

Explanation:

$$\begin{aligned}
 & 2\frac{1}{3} \text{ of } \left(\frac{3}{5} \div \frac{2}{9}\right) - \left(4\frac{2}{5} + \frac{19}{20} \div \frac{1}{2}\right) \\
 & \Rightarrow \frac{7}{3} \text{ of } \left(\frac{3}{5} \times \frac{9}{2}\right) - \left(\frac{22}{5} + \frac{19}{20} \times \frac{2}{1}\right) \\
 & \Rightarrow \frac{7}{3} \times \frac{27}{10} - \left(\frac{22}{5} + \frac{19}{10}\right) \\
 & \Rightarrow \frac{63}{10} - \frac{(44 + 19)}{10} \\
 & \Rightarrow \frac{63}{10} - \frac{63}{10} \\
 & \Rightarrow 0
 \end{aligned}$$

52. Answer: c

Explanation:

The total sale from B of all the months = 9000 + 7000 + 9000 + 11000 = 36000

⇒ The average sale from B of all the months = 36000/4 = 9000

The total sale from C of all the months = 10000 + 5000 + 8000 + 9000 = 32000

⇒ The average sale from C of all the months = 32000/4 = 8000 kg

⇒ Difference of the average sale from B and C = 9000 – 8000 = 1000 kg

∴ The average sale per month from B is 1000 kg more than that from C

53. Answer: b

Explanation:

The average sale by A during Jan – Mar, 2018 = (8000 + 6000 + 8000)/3 = 7333.33 kg

54. Answer: c

Explanation:

Ratio of sales from B to that from A and C in Jan = $9/(8 + 10) = 9/18 = 0.5$

Ratio of sales from B to that from A and C in Feb = $7/(6 + 5) = 7/11 = 0.63$

Ratio of sales from B to that from A and C in Mar = $9/(8 + 8) = 9/16 = 0.56$

Ratio of sales from B to that from A and C in Apr = $11/(9 + 9) = 11/18 = 0.61$

$\therefore$ Arranging them in ascending order: Jan, Mar, Apr, Feb

55. Answer: c

Explanation:

The rate of growth in sales from B in March 2018 with reference to its previous month = $(9 - 7)/7 = 2/7$

The rate of growth in sales from C in March 2018 with reference to its previous month = $(8 - 5)/5 = 3/5$

$\therefore$ The ratio of rate of growth in sales from B to the rate of growth in sales from C in Mar 2018 with reference to its previous month = $2/7 : 3/5 = 10 : 21$

56. Answer: b

Explanation:

In an equilateral triangle, the circumcentre, incentre, orthocentre and the centroid of a triangle are one and the same point.

57. Answer: d

Explanation:

The cost price of the item sold at 31% gain = $18602 \times 100 / (100 + 31) = \text{Rs. } 14200$

The cost price of the item sold at 29% loss = $18602 \times 100 / (100 - 29) = \text{Rs. } 26200$

$\Rightarrow$ The total cost price of both the items = $14200 + 26200 = \text{Rs. } 40400$

The total selling price of both the items = $18602 + 18602 = \text{Rs. } 37204$

Loss = Total cost price – Total selling price

$\Rightarrow 40400 - 37204$

$\Rightarrow \text{Rs. } 3196$

$\therefore$ Loss percent = $(3196 / 40400) \times 100 = 7.91\%$

58. Answer: d

Explanation:

$$3 (\operatorname{cosec}^2 \theta + \cot^2 \theta) = 5$$

$$\Rightarrow 3(1 + \cot^2 \theta + \cot^2 \theta) = 5 \quad (\because \operatorname{cosec}^2 \theta - \cot^2 \theta = 1)$$

$$\Rightarrow 3(1 + 2 \cot^2 \theta) = 5$$

$$\Rightarrow 3 + 6 \cot^2 \theta = 5$$

$$\Rightarrow 6 \cot^2 \theta = 2$$

$$\Rightarrow \cot^2 \theta = 2/6$$

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

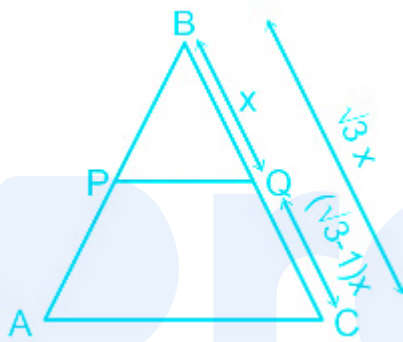
$$\Rightarrow \cot \theta = 1/\sqrt{3}$$

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

59. Answer: d

Explanation:

Given:



$$\text{Area of } \Delta ABC / \text{Area of } \Delta PBQ = 3/1$$

$$\Rightarrow CB/BQ = \sqrt{3}/\sqrt{1} = \sqrt{3}/1$$

$$\text{Let } CB = \sqrt{3}x \text{ and } BQ = x$$

$$\Rightarrow CQ = CB - BQ = \sqrt{3}x - x = (\sqrt{3} - 1)x$$

$$\Rightarrow CB/CQ = \sqrt{3}x/(\sqrt{3} - 1)x = \sqrt{3}/(\sqrt{3} - 1)$$

$$\Rightarrow CB/CQ = \frac{\sqrt{3}}{\sqrt{3}-1} \times \frac{\sqrt{3}+1}{\sqrt{3}+1} = \frac{\sqrt{3}(\sqrt{3}+1)}{2}$$

$$\therefore CB : CQ = \sqrt{3}(\sqrt{3} + 1) : 2$$

60. Answer: a

Explanation:

$$\begin{aligned} & \frac{1}{4} \left\{ \left(a + \frac{1}{a} \right)^2 - \left(a - \frac{1}{a} \right)^2 \right\} \\ \Rightarrow & \frac{1}{4} \left\{ a^2 + \frac{1}{a^2} + 2 - \left(a^2 + \frac{1}{a^2} - 2 \right) \right\} \\ \Rightarrow & \frac{1}{4} \left(a^2 + \frac{1}{a^2} + 2 - a^2 - \frac{1}{a^2} + 2 \right) \\ \Rightarrow & 4/4 \\ \Rightarrow & 1 \end{aligned}$$

61. Answer: b

Explanation:

Let the number be x.

$\Rightarrow$ The reciprocal of the number = $1/x$

$$(x + 1/x)/2 = 4$$

$$\Rightarrow x + 1/x = 8$$

$$\Rightarrow (x + 1/x)^3 = 512$$

$$\Rightarrow x^3 + 1/x^3 + 3(x \times 1/x)(x + 1/x) = 512$$

$$\Rightarrow x^3 + 1/x^3 + 3(8) = 512$$

$$\Rightarrow x^3 + 1/x^3 = 512 - 24$$

$$\Rightarrow x^3 + 1/x^3 = 488$$

$$\Rightarrow (x^3 + 1/x^3)/2 = 244$$

$\therefore$ The average of cube of a number and its reciprocal is 244

62. Answer: a

Explanation:

In the first quadrant, i.e. $0^\circ < \theta < 90^\circ$, $\sin\theta$, $\tan\theta$ and $\sec\theta$ are increasing functions and $\cos\theta$, $\cot\theta$ and $\operatorname{cosec}\theta$ are decreasing functions.

63. Answer: c

Explanation:

Given:

$$a : b : c = 1 : 3 : 5$$

Calculation:

Let $a = x$, $b = 3x$ and $c = 5x$

$$\Rightarrow \frac{4a - b + 2c}{3(a + b + c)}$$

$$\Rightarrow \frac{4x - 3x + 2(5x)}{3(x + 3x + 5x)}$$

$$\Rightarrow \frac{4x - 3x + 10x}{3(9x)}$$

$$\Rightarrow \frac{11x}{27x}$$

$$\Rightarrow 11/27$$

$\therefore$ The correct answer is $11/27$.

64. Answer: b

Explanation:

Given:

The seven-digit number $78x1y68$ is divisible by 88.

Concept used:

(i) For a number to be divisible by 88, it should be divisible by 8 and 11.

(ii) **Divisibility Rule of 11:** For a number to be divisible by 11, the difference between the sum of digits at even places to the sum of digits at odd places should be zero or multiple of 11

Calculations:

Checking divisibility by 11,

⇒ The difference of $(7 + x + y + 8)$ and $(8 + 1 + 6)$ should be zero or multiple of 11.

$$(7 + x + y + 8) - (8 + 1 + 6) = 11$$

$$\Rightarrow 15 + x + y - 15 = 11$$

$$\Rightarrow x + y = 11$$

∴ The value of $(x + y)$ is 11.

★ **Hint**

The question could be solved by first finding the possible values of y by first checking the divisibility by 8, but the process becomes more time-consuming.

65. Answer: c

Explanation:

$$(3x + 1)^3 + (x - 3)^3 + (2x - 4)^3 = 3(3x + 1)(x - 3)(2x - 4)$$

We have, if $a^3 + b^3 + c^3 = 3abc$, then $a + b + c = 0$

$$\Rightarrow (3x + 1) + (x - 3) + (2x - 4) = 0$$

$$\Rightarrow 6x - 6 = 0$$

$$\Rightarrow 6x = 6$$

$$\Rightarrow x = 1$$

66. Answer: b

Explanation:

$$\frac{1.0025 + 6.25 \times 10^{-6}}{0.0025 + 0.95}$$

$$\Rightarrow \frac{1.0025 + 0.00000625}{0.0025 + 0.95}$$

$$\Rightarrow \frac{1.00250625}{0.9525}$$

$$\Rightarrow 1.0525$$

67. Answer: c

Explanation:

$$A = P(1 + r/100)^n$$

Where, A = Amount

P = Principal

r = Rate of interest

n = Time period

When the sum amounts to Rs.8000 in 3 years:

$$8000 = P(1 + r/100)^3 \quad \text{-----(1)}$$

When the sum amounts to Rs.27000 in 6 years:

$$27000 = P(1 + r/100)^6 \quad \text{-----(2)}$$

Dividing equation (2) by equation (1)

$$27/8 = (1 + r/100)^3$$

Taking cube root on both the sides

$$3/2 = 1 + r/100$$

$$\Rightarrow 3/2 - 1 = r/100$$

$$\Rightarrow 1/2 = r/100$$

$$\Rightarrow r = 50\%$$

$\therefore$ Rate of interest is 50%

68. Answer: b

Explanation:

Difference in time = 15 + 10 = 25 min = 1500 second

Distance = 25 km = 25000 m

Let the speed of bus be B m/s and the speed of car be C m/s

We have, Time = Distance/Speed

$$\Rightarrow 25000/B - 25000/C = 1500$$

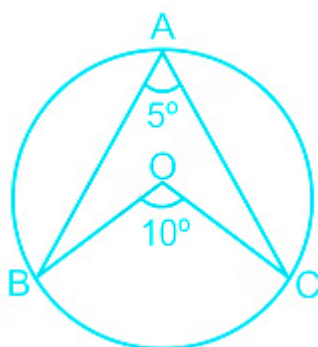
$$\Rightarrow 25000(1/B - 1/C) = 1500$$

$$\Rightarrow 1/B - 1/C = 1500/25000 = 3/50$$

$\therefore$ The difference of the reciprocals of average speeds of the bus and the car is 3/50 seconds per metre.

69. Answer: d

Explanation:



Let the observer stand at point A on the circle.

The angle subtended by an arc at any point on the major segment is half of the angle subtended by the arc at the centre of the circle.

$$\Rightarrow \angle BAC = \frac{1}{2} \angle BOC = 10^\circ / 2 = 5^\circ$$

$\therefore$ The measure of angle described by the athlete by an observer standing on the circle is 5°

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70. Answer: a

Explanation:

A can complete a piece of work in 20 days

$$\Rightarrow \text{One day work of A} = 1/20$$

B can complete a piece of work in 24 days

$$\Rightarrow \text{One day work of B} = 1/24$$

C can complete a piece of work in 36 days

$\Rightarrow$ One day work of C = $1/36$

When A, B and C work together, their one day work = $1/20 + 1/24 + 1/36$

$$= (18 + 15 + 10)/360$$

$$= 43/360$$

Hence, A, B and C working together will complete the work in $360/43 = 8\frac{16}{43}$ days.

71. Answer: a

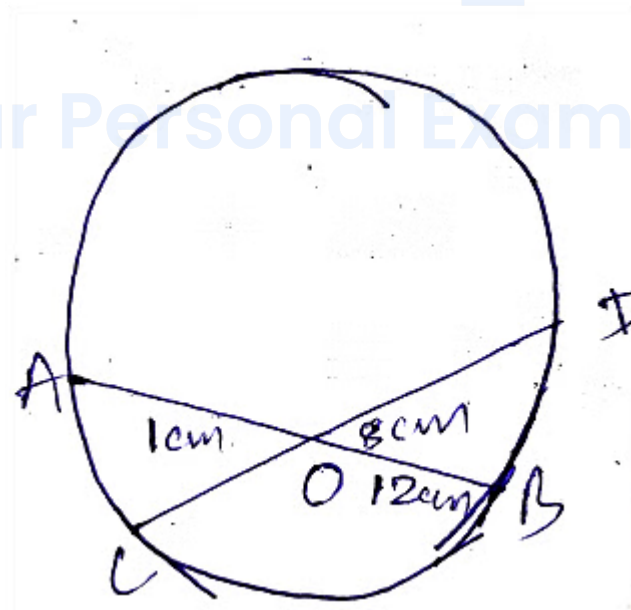
Explanation:

Given:

Two chords AB and CD of a circle intersect at a point O inside the circle.

AO = 1 cm; AB = 13 cm; CD = 8 cm

Calculation:



Let CO = x

$\Rightarrow$ OD = 8 - x

We have, $AO \times OB = CO \times OD$

$$\Rightarrow 1 \times 12 = x \times (8 - x)$$

$$\Rightarrow 12 = 8x - x^2$$

$$\Rightarrow x^2 - 8x + 12 = 0$$

$$\Rightarrow x(x - 6) - 2(x - 6)$$

$$\Rightarrow (x - 6)(x - 2)$$

$$\Rightarrow x = 6 \text{ or } x = 2$$

When $x = 6$,

$$CO = 6 \text{ and } OD = 8 - 6 = 2$$

When $x = 2$

$$CO = 2 \text{ and } OD = 8 - 2 = 6$$

$\Rightarrow$ The larger section = 6 and the smaller section = 2

The ratio of larger and smaller section = $6 : 2 = 3 : 1$

$\therefore$ The correct answer is 3 : 1

72. Answer: a

Explanation:

Marks scored by the student in theory = $40 \times 80/100 = 32$

Marks scored by the student in practical = $30 \times 70/100 = 21$

Marks scored by the student in project = $20 \times 60/100 = 12$

Marks scored by the student in viva = $10 \times 50/100 = 5$

$\Rightarrow$ Total marks scored by the student = $32 + 21 + 12 + 5 = 70$

$\therefore$ The aggregate percentage = $70/100 \times 100 = 70\%$

73. Answer: a

Explanation:

Area of rhombus = $\frac{1}{2} \times (\text{diagonal}_1) \times (\text{diagonal}_2)$

$$= \frac{1}{2} \times 4 \times 12$$

$$= 24 \text{ cm}^2$$

74. Answer: d

Explanation:

Let the mark price be Rs.x.

$$\Rightarrow x \times (100 - 12)/100 \times (100 - 8)/100 = 688.16$$

$$\Rightarrow x \times 88/100 \times 92/100 = 688.16$$

$$\Rightarrow x = 688.16 \times 100/88 \times 100/92$$

$$\Rightarrow x = \text{Rs. } 850$$

75. Answer: d

Explanation:

$$5 \sin \theta + 12 \cos \theta = 13$$

$$\Rightarrow 5/13 \sin \theta + 12/13 \cos \theta = 1 \quad (1)$$

We have, $\sin^2\theta + \cos^2\theta = 1$

Comparing it with equation (1)

$\sin\theta = 5/13$ and $\cos\theta = 12/13$

$\Rightarrow \tan\theta = \sin\theta/\cos\theta = (5/13)/(12/13) = 5/12$

76. Answer: b

Explanation:

The correct answer is **option 2) i.e. Provident Fund**.

- **Provident Fund** is an amount of money consisting of regular payments by an employee and an employer over a period of time that the employee receives when they leave a company or retire.
 - Employees' Provident Fund Organisation (**EPFO**) is the organisation which regulates the provident fund of all the workers employed in the Organised sector in India.
 - A **mutual fund** is a company that pools money from many investors and invests the money in securities such as stocks, bonds, and short-term debt.
 - A **balanced fund** is a mutual fund that contains a stock component, a bond component and sometimes a money market component in a single portfolio.
 - An **Index Fund** today is a source of investment for investors looking at the long term, less risky form of investment.
-

77. Answer: a

Explanation:

The correct answer is **option 1) i.e. Jammu and Kashmir**.

- The "Burzahom" Neolithic site is located in the Kashmir Valley of the Indian Union territory of **Jammu and Kashmir**, in the district of Srinagar .

- The site of Burzahom is a unique comprehensive storyteller of life between 3000 BCE to 1000 BCE.
- The Burzahom site revealed the transition from the subterranean and ground-level housing features of the Neolithic people to the mudbrick structures of the Megalithic people. The site was Excavated in 1939.

Changing Ways of Life			
	Paleolithic Era circa 70,000 B.C.–12,000 B.C.	Mesolithic Era circa 10,000 B.C.–8500 B.C.	Neolithic Era circa 9000 B.C.–1800 B.C.
Arts and Crafts	Painted cave walls; usually painted animals	Made pottery and cave paintings	Made pottery; carved objects from wood; built shelters and tombs
Obtaining Food	Hunted animals; gathered nuts, berries, and grains	Hunted; gathered plants; stored food for later use	Began farming in permanent villages; raised and herded animals
Adapting to Surroundings	Learned to make fire; developed language; created simple tools and shelters	Settled villages located near rivers and lakes; used bows and arrows and other simple tools; began taming animals	Built mud-brick houses and places of worship; had specialized jobs; created more complex tools out of copper and bronze



78. Answer: b

Explanation:

The correct answer is **option 2) i.e. Param Yuva 2.**

- **Param Yuva 2** is a supercomputer developed by India.
- Supercomputer Param Yuva-2 was rated first in India, 9th in the Asia Pacific Region and 44th in the world among the most Power-efficient computer system as per the Green 500 list.
- It was developed by the Centre for Development of Advanced Computing (C-DAC).
- It uses hybrid technology, processor, co-processor and hardware accelerators.

https://www.cdac.in/index.aspx?id=hpc_nsf_param_yuva_ii

79. Answer: d

Explanation:

The correct answer is **option 4) i.e. Krishna.**

- The **Krishna** River is a peninsular river which rises from a spring near **Mahabaleshwar** and flows for about **1400 km** and reaches the **Bay of Bengal**.
- The Tungabhadra, the Koyana, the Ghatprabha, the Musi and the Bhima are some of its **tributaries**.
- Its **drainage basin** is shared by Maharashtra, Karnataka and Andhra Pradesh.
- Some of the other major peninsular rivers which flow eastwards and drain into the Bay of Bengal are the Mahanadi, the Godavari, the Krishna and the Kaveri.

Please go through the given link for more Information on Krishna river. : http://www.preecenviis.nic.in/Database/River_Krishna_924.aspx

80. Answer: c

Explanation:

First Governor-General of Bengal	Warren Hastings (1773-1785)
First Governor-General of India	Lord William Bentinck (1828-1835)
First Viceroy of India	Lord Canning (1856-62)

Prepp

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Lord Canning	- Lord Canning was the <u>governor-general of India during sepoy mutiny (1857)</u>. - He was the first viceroy of India. - He abolished the doctrine of lapse and so the Indian princes were allowed to adopt a successor in order to carry forward their rule.
Lord William Bentinck	- Lord William Bentinck was <u>governor-general of India</u> from 1828 to 1835. - His major reforms were the abolition of sati by the Bengal Sati regulation act 1829. - He made English as the medium of instruction through English education act 1835, by replacing the Persian language.
Lord Wellesley	- He was <u>governor-general of Bengal</u> from 1798 to 1805. - As he was governor-general of the presidency of Fort William (Bengal) <u>he called himself "Bengal Tiger"</u>. - He was famous for the introduction of the subsidiary alliance in India.

81. Answer: c

Explanation:

The correct answer is **option 3) i.e. Mahanadi**

<u>River</u>	<u>Dam</u>	<u>State</u>
Tungabhadra	Pampa Sagar Dam	Karnataka
Koyna	Koyna Dam	Maharashtra
Mahanadi	Hirakud Dam	Odisha
Damodar	Panchet Dam	Jharkhand

Note: For more information on the Hirakud dam, please visit the link given: <https://sambalpur.nic.in/tourist-place/name-of-tourist-place-to-visit/>

82. Answer: a

Explanation:

The correct answer is **option 1) i.e. Engineers India Limited**.

- **Engineers India Limited** was incorporated pursuant to a formation agreement dated November 20, 1964, between the Government of India and BIC.
- In 1965 it commenced work in the refineries segment. and in 1967 became a wholly-owned Government of India (GoI) company.
- In 1997 it was accorded the Mini Ratna status and also listed on the BSE and NSE.
- In 2014 it was conferred the "**Navratna**" status by the Govt. of India.
- Steel Authority of India Limited & Coal India Limited are Maharatna company and Rashtriya Chemicals and Fertilizers Limited is a Miniratna company.
- There are **8 Maharatna** companies and **16 Navratna** companies.

★ Mistake Points

- Many students confuse **Coal India Limited** as a Navratna company, which is actually **one of the 8 Maharatna companies**.

Get the link of all Maharatna, Navratna, and Miniratna companies [here](#).

83. Answer: d

Explanation:

The correct answer is **option 4) i.e. Dalai Lama.**

- 'Freedom in Exile' is the autobiography of Dalai Lama.
- This book was published on August 1st 1991 by Harper San Francisco.
- The Dalai Lamas are believed by Tibetan Buddhists to be manifestations of Avalokiteshvara, the Bodhisattva of Compassion and the patron saint of Tibet.
- Bodhisattvas are realized beings, inspired by the wish to attain complete enlightenment, who have vowed to be reborn in the world to help all living beings.

<u>Term</u>	<u>Meaning</u>
Mahabhinishkraman	'The great departure' was the incident of relinquishing home by Lord Buddha.
Sambodhi Chaithya	Stupa situated in Sri Lanka.
Mahaparinirvana	Refers to nirvana after death.
Dharma chakra pravartan	The preaching of the first sermon by Lord Buddha

84. Answer: c

Explanation:

The correct answer is **option 3) i.e. Kerala**.

- **Ashtamudi lake** is an estuary which lies in the **Kollam district**.
- This is the **second largest wetland** in Kerala with a palm-shaped extensive water body and eight prominent arms, adjoining the Kollam town.
- All the arms converge into a single outlet at Neendakara near Kollam, to enter the **Arabian sea**.
- This estuary is the **deepest** among all the estuaries of Kerala with a maximum depth of 6.4 m at the confluence zone.
- The **Kallada river** which originates from the western ghats, traverses through virgin forests and finally falls into the Ashtamudi wetland, after traveling a distance of about 120 km.
- The **8 arms or channels** of the Ashtamudi Lake are what gave it its name.
- It is the entrance to the famous backwaters of Kerala and the houseboat rides here are extremely famous.

Note: For more information on lakes present in Kerala, please click the link given: http://www.kerenvis.nic.in/Database/Lakes_1634.aspx

85. Answer: c

Explanation:

The correct answer is **option 3) i.e. Alaknanda**.

- The **Alaknanda** river flowing in Uttarakhand is a Himalayan river.
- It is one of the two headstreams of the river Ganga, the other being **Bhagirathi river**.
- The source of the Alaknanda River is the confluence of the **Satopanth glacier** and the **Bhagirathi Garak glacier**.
- The length of the river is 190 km and the area of the drainage basin is 10882 km².
- It is joined by the **Bhagirathi at Devaprayag** in Uttarakhand.

- The other major tributaries of the Ganga in Uttarakhand are Dhaul Ganga, Rishi Ganga, Bal Ganga, Bhilangana, Mandakini and Pindar.
-

86. Answer: c

Explanation:

The correct answer is **option 3) i.e. Light Detection and Ranging**.

- LIDAR stands for **Light Detection and Ranging**.
- It is a remote sensing method that uses light in the form of a pulsed laser from the satellites or any aerial vehicle to measure ranges (variable distances) to the Earth.
- It is used in a wide range of land assessment, management and planning efforts, including hazard assessment (including lava flows, landslides, tsunamis, and floods), forestry, agriculture, geologic mapping, and watershed and river surveys.

Note: Please go through the following link for more information on the answer: <http://oceanservice.noaa.gov/facts/lidar.html>

87. Answer: b

Explanation:

The correct answer is **option 2) i.e. Article 54**.

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Article	Details
Article 74	Council of Ministers shall aid the President in the exercise of his functions
Article 54	The election of the President of India
Article 78	Duties of Prime Minister
Article 103	The decision on questions as to disqualifications of members

Note: Please go through the following link for more information on the answer: http://www.india.gov.in/sites/upload_files/npi/files/coi_part_full.pdf

88. Answer: a

Explanation:

The correct answer is option 1) i.e. Arundhati Roy.

- The End of Imagination is a compendium of essays that brings together five of **Arundhati Roy** 's books.
- It was released in 2016. This book includes her nonfiction works Power Politics, War Talk, Public Power in the Age of Empire, and An Ordinary Person's Guide to Empire, which include her widely circulated and inspiring writings on the U.S. invasions of Afghanistan and Iraq, the need to confront corporate power, and the hollowing out of democratic institutions globally.
- Arundhati Roy's written novel "The God of Small Things" won the Man Booker Prize for Fiction in 1997.

<u>Writer</u>	<u>Book names</u>
Arundhati Roy	The End of Imagination
Shobhaa De	Snapshots
Chetan Bhagat	Girl in Room 105
Amitav Ghosh	Ibis Trilogy

89. Answer: c

Explanation:

The correct answer is **option 3) i.e. Patna.**

- India's First Dolphin Research Centre is Established in **Patna** .
- It is the first of its kind in the whole of Asia. It is being set up with the objective to save the endangered Gangetic River Dolphin.
- The Dolphin Day is celebrated by the State Government of Bihar on 5th October every year.

Note: Please go through the following link for more information on the answer: http://cpreecensis.nic.in/KidsCentre/IndiasfirstdolphinresearchcentretocomeupsooninPatna_5466.aspx

For Information about Animal Research Centers all over India, please refer this link: https://icar.org.in/content/institutes_or_universities_under_animal_science_division

90. Answer: a

Explanation:

The correct answer is **option 1) i.e. Amazon India.**

- **Amazon India** gets chosen as India's most 'attractive employer brand', as per the findings of Randstad Employer Brand Research 2019.
- The company scored high on financial health, utilization of the latest technologies and a strong reputation.
- Other companies like **Microsoft India and Sony India**, were second and third on the list, respectively.
- Further, **Google India** has been inducted into the Hall of Fame category last year, for winning the coveted title for three consecutive years.

Note: Please go through the following link for more information on the answer: <http://www.randstad.in/employer-brand-research/rebr-country-report-india-2019.pdf>

91. Answer: a

Explanation:

The correct answer is option 1) i.e. M. Ananthasayanam Ayyangar.

- M. Ananthasayanam Ayyangar served as the First Deputy Speaker of the Lok Sabha.
- He was born on 4 February 1891 at Tiruchanur near the spiritual town of Tirupati in Andhra Pradesh.
- After obtaining his B.A. degree from the Pachaiyappa's College, Madras, he earned a degree in Law from the Madras Law College in 1913
- He began his career as a Mathematics teacher in 1912. In 1915 he ventured into the legal profession- Within a short period, he established himself as a professional lawyer and, with his unusual ability to memorise cases, soon earned the reputation of being a 'walking digest of case laws'.
- Through a public life spanning over six decades as a lawyer, as a social activist and freedom fighter, as an outstanding parliamentarian and Speaker and as a distinguished scholar, Ayyangar left an indelible imprint of his personality in every area he chose to tread on in life.

Note: Please go through the following link for more information on the answer: <http://speakerloksabha.nic.in/frmspeaker.asp>

92. Answer: c

Explanation:

The correct answer is Linux.

★ Key Points

- Linux is an operating system whereas Kaspersky, Norton and Avast are anti-virus software.
- Just like Windows, iOS, and Mac OS, Linux is an **operating system**.
- **Android**, is powered by the Linux operating system.
- An operating system is software that manages all of the hardware resources. To put it simply, the operating system manages the communication between your software and your hardware

★ Additional Information

- Antivirus is a kind of software used to prevent, **scan, detect and delete viruses from a computer**. Once installed, most antivirus software runs automatically in the background to provide real-time protection against virus attacks.
- Some examples of anti-virus software are **McAfee, Norton, and Kaspersky**.

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93. Answer: b

Explanation:

The correct answer is **option 2) i.e. West Indies**.

- The **1979 Prudential Cricket World Cup** was won by West Indies.
- They were the defending champions when they won the 1979 World cup.
- They defeated hosts **England** by 92 runs in the final to win the cricket World Cup second time in a row at the same venue where they won their maiden World Cup in 1975 beating Australia .

- **Vivian Richards** who made 138 runs was adjudged player of the final.
-

94. Answer: d

Explanation:

The correct answer is **option 4) i.e. Charles Wilkin**.

- **Sir Charles Wilkins** is notable as the **first translator** of Bhagavad Gita from Sanskrit to English.
 - He was an English typographer and Orientalist, and the founding member of The Asiatic Society.
 - In 1784, Wilkins helped William Jones establish the Asiatic Society of Bengal.
-

95. Answer: a

Explanation:

The correct answer is option 1) i.e. Mallikarjuna-Andhra Pradesh.

- The second jyotirlinga of Shiva, named **Mallikarjuna** is located in Srisailem, **Andhra Pradesh** also termed as Kashi of the South.
- It is located at a distance of around 215 km from Hyderabad in Nallamala hill forests along the banks of Krishna river.
- The Somnath temple believed to be the first among the twelve jyotirlinga shrines of Shiva located in Gir Somnath district of Gujarat.

<u>no</u>	<u>Jyotirlinga</u>	<u>Location</u>
1	Somnath	Saurashtra, Gujarat
2	Mahakaleshwar	Ujjain, Madhya Pradesh
3	Omkareshwar	Shivpuri, Madhya Pradesh
4	Mallikarjuna	Srisailam, Andra Pradesh
5	Vaijnath	Parli, Maharashtra
6	Kedarnath	Kedarnath, Uttarkhand
7	Nageshwar	Darukavanam, Gujarat
8	Trimbakeshwar	Nasik, Maharashtra
9	Bhimashankar	Pune, Maharashtra
10	Rameshwaram	Rameshwaram, Tamil Nadu
11	Grishneshwar	Aurangabad, Maharashtra
12	Vishwanath	Varanasi, Uttar Pradesh
13	Baidyanathdham	Deoghar district, Jharkhand

96. Answer: d

Explanation:

The correct answer is **option 4) i.e. Bengaluru**.

- The National Institute of Mental Health and Neuro-Sciences (NIMHANS) is situated at **Bangalore**.
- It is the apex centre for mental health and neuroscience education in the country.
- This institute operates autonomously under the Ministry of Health and Family Welfare.

- It was deemed a central Institute of Importance in 1994. It was established in the year 1974.
-

97. Answer: d

Explanation:

The correct answer is **option 4) i.e. Horse Racing.**

- The Kentucky Derby is the longest-running sporting event in the United States, dating back to **1875**.
- The race is often referred to as "**The Run for the Roses**" and has continuously produced "the most exciting two minutes in sports".
- The Kentucky Derby is a top rank race for 3-year-old Thoroughbred horses.
- The race distance is one and one-quarter miles long, and it is run on the dirt racetrack at **Churchill Downs in Louisville, Kentucky.**

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<u>Sports</u>	<u>Cups or trophies</u>
Football	Rovers Cup, Bhandarkar Trophy, Merdeka Cup, Confederation Cup, DCM Trophy, Durand Cup, B.C. Raj Trophy(National Championship), FIFA World cup, Jules Rimet Trophy, Indian Super League, Kalinga Cup, Santosh Trophy, IFA Shield, <u>Scissor Cup</u> , Subroto Cup, Sir Ashutosh Mukherjee Trophy, Todd Memorial Trophy, Vittal Trophy, UEFA Champions League.
Cricket	Ashes Cup, Asia Cup, C.K Naidu Trophy, Cooch Behar Trophy, Deodhar Trophy, Duleep Trophy, Gavaskar Border Trophy, G.D Birla Trophy, Gillette Cup, ICC World Cup, IPL, Irani Trophy, Jawaharlal Nehru Cup, Rani Jhansi Trophy, Ranji Trophy, Rohinton Baria Trophy, Rothmans Cup, Sahara Cup, Sharjah Cup, Singer Cup, Titan Cup, Vijay Hazare Trophy, Vijay Marchant Trophy, Wisden Trophy and Wills Trophy.
Badminton	Amrit Diwan Cup, Asia Cup, Chaddha Cup, European Cup, Harilela Cup, Ibrahim Rahimatillah, Challenger Cup, Konica Cup, Sophia Cup, Kitiakara Cup, Malaysian Open, Thomas Cup (Men) and Uber Cup(Women)
Hockey	Aga Khan Cup, Maharaja Rajit, Singh Gold Cup, Dhyanchand Trophy, Sultan Azlan Shah Cup, Wales Trophy, Stanley Cup, Sindhia Gold Cup, Wellington Cup.

98. Answer: a

Explanation:

The correct answer is **option 1) i.e. Faiz Hameed**.

- **Lieutenant General Faiz Hameed** was appointed as the Director-General of the Inter-Services Intelligence (DG ISI).

<u>Slno</u>	<u>Country</u>	<u>Service</u>
1	India	RAW (Research and Analysis Wing)
2	Israel	Mossad
3	America	CIA (Central Intelligence Agency)
4	China	MSS (Ministry of State Security)
5	United Kingdom	MI-6 (Military Intelligence Section 6 or Secret Intelligence Service (SIS))
6	Australia	ASIS (Australian Secret Intelligence Service)
7	France	DGSE (Directorate-General for External Security)
8	Germany	BND (Bundesnachrichtendienst)
9	Russia	FSB (Federal Security Service of the Russian Federation)

NOTE: Please click on the link given to know more about the solution: <https://economictimes.indiatimes.com/news/defence/pakistan-It-gen-faiz-hameed-named-new-isi-chief/articleshow/69822667.cms?from=mdr>

99. Answer: c

Explanation:

The correct answer is **option 3) i.e. Telugu Titans**.

- **Telugu Titans** is a Pro-Kabaddi team whereas the other three are cricket teams participating in the Indian Premier League.
- **Bengal Warriors** beat **Dabang Delhi** to win the season seven **Pro-Kabaddi** League title.
- Totally **12 teams** participated in this season of Pro-Kabaddi. (Kabaddi)
- **Mumbai Indians** beat **Chennai Super Kings** to win the IPL 2019 final. (Cricket)

NOTE: Please click on the link given to know more about the solution: <https://www.preppokabaddi.com/> (Then go to teams)

100. Answer: a

Explanation:

The correct answer is **option 1) i.e. PSLV-C46**.

- India's **PSLV-C46** successfully launched **RISAT-2B** satellite from **Satish Dhawan Space Centre (SDSC), Sriharikota, Andhra Pradesh**.
- PSLV-C46 was the **72nd launch vehicle** mission from SDSC SHAR, Sriharikota.
- RISAT-2B with a lift-off mass of 615 kg, is a radar imaging earth observation satellite. The satellite is intended to provide services to **Agriculture, Forestry and Disaster Management domains**.

Note: Please go through the following link for more information on the answer: <http://testbook.com/blog/isro-indian-satellites-list-ssc-bank-pdf/>

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