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Your Personal Exams Guide



NDA



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SSC CGL



CBSE UGC NET



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IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC MTS Previous Year Paper (Held on: 6 Oct 2021 Shift 1)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General English	25	25	0.25	1
2	General Intelligence & Reasoning	25	25	0.25	1
3	Numerical Aptitude	25	25	0.25	1
4	General Awareness	25	25	0.25	1

- 1.) A total of 90 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 English

1. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

EFFICIENT

- a. expert
- b. common
- c. idle
- d. clever

2. Select the most appropriate meaning of the given Idiom. (+1, -0.25)

Close to one's heart

- a. One who is being followed
- b. One who treats heart problems
- c. One who is very emotional
- d. Dear and important to oneself

3. Select the most appropriate one-word substitution for the given group of words. (+1, -0.25)

A place for keeping birds

- a. Aviary
- b. Apiary
- c. Bam

d. Shed

4. Select the most appropriate synonym of the given word. (+1, -0.25)

DELICATE

- a. brisk
 - b. robust
 - c. frail
 - d. hearty
-

5. Identify the segment in the sentence which contains a grammatical error. (+1, -0.25)

The farmer is cutting the corn which has ripen in the fields.

- a. in the fields
 - b. which has ripen
 - c. The farmer is
 - d. cutting the corn
-

6. Select the INCORRECTLY spelt word. (+1, -0.25)

- a. Poletry
- b. Symmetry
- c. Sultry
- d. Gentry

7. Select the most appropriate meaning of the given idiom. (+1, -0.25)

Go bonkers

- a. Become crazy
- b. Become wealthy
- c. Become selfish
- d. Become greedy

8. Identify the segment in the sentence which contains a grammatical error. (+1, -0.25)

I paid the plumber for repair the pipes.

- a. for repair
- b. the pipes
- c. I paid
- d. the plumber

9. Select the most appropriate word to fill in the blank. (+1, -0.25)

The task has been _____ to the juniors.

- a. assigned
- b. attached
- c. hired
- d. elected

10. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. (+1, -0.25)

The strong wind blow off all the candles.

- a. No substitution required
- b. blow up
- c. blew out
- d. blowing away

-
11. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.' (+1, -0.25)

There are very little peoples in this world who are bold enough to defy social customs.

- a. very few people
- b. too much people
- c. very much peoples
- d. No substitution required

-
12. Select the most appropriate word to fill in the blank. (+1, -0.25)

I visit my grandparents _____.

- a. continuously

- b. unevenly
 - c. regularly
 - d. finally
-

13. Select the most appropriate one-word substitution for the given group of words. (+1, -0.25)

A person who pretends to be someone else to deceive others

- a. Actor
 - b. Imposter
 - c. Mentor
 - d. Gangster
-

14. Identify the segment in the sentence which contains a grammatical error. (+1, -0.25)

The children jumped at joy when they saw the slides in the park.

- a. when they saw
 - b. at joy
 - c. in the park
 - d. The children jumped
-

15. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. (+1, -0.25)

He got away from punishment as there was not enough evidence against him.

- a. was getting away from
 - b. gets away from
 - c. No substitution required
 - d. got out with
-

16. Select the most appropriate synonym of the given word. (+1, -0.25)

BAFFLE

- a. clarify
 - b. perplex
 - c. comfort
 - d. soothe
-



17. Select the most appropriate option to fill in the blank. (+1, -0.25)

This lesson is _____ than the previous one.

- a. easiest
 - b. more easier
 - c. much easier
 - d. easy
-

18. Select the most appropriate ANTONYM of the given word.

(+1, -0.25)

STABLE

- a. steady
- b. shaky
- c. stout
- d. safe

19. Select the INCORRECTLY spelt word.

(+1, -0.25)

- a. Tourist
- b. Chemist
- c. Cyclist
- d. Flowerist

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

(+1, -0.25)

_____ is the reason for this chaos?

- a. Why
- b. Whom
- c. What
- d. When

21. Directions: 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. (+1, -0.25)

The judge, in a solemn manner, declared (1) _____ there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.

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

- a. that
- b. what
- c. so
- d. which

22. Directions: 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. (+1, -0.25)

The judge, in a solemn manner, declared (1) _____ there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.

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

- a. result
- b. test
- c. check

d. prove

23. Directions: 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. (+1, -0.25)

The judge, in a solemn manner, declared (1) _____ there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.

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

- a. steal
- b. stole
- c. stolen
- d. stealing

24. Directions: 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. (+1, -0.25)

The judge, in a solemn manner, declared (1) _____ there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.

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

- a. stem
- b. serious

- c. sober
 - d. steady
-

25. Directions: 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. (+1, -0.25)

The judge, in a solemn manner, declared (1) _____ there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.

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

- a. invisible
- b. improper
- c. appropriate
- d. anxious



General Intelligence & Reasoning

26. Which number will replace the question mark (?) in the following series? (+1, -0.25)

11, 13, 16, 26, 41, 67, 102, ?

- a. 251
- b. 215
- c. 152
- d. 125

27. Six students are sitting on a bench facing the interactive board in the classroom. A is sitting second to the right of B, while F is second to the right of E. If C is second right of A, then what is the sitting position of D in respect of F? (+1, -0.25)

- a. Immediate left
- b. Second right
- c. Third right
- d. Second left

28. Select the correct alternative to indicate the sequential order of the following terms as they appear in a dictionary. (+1, -0.25)

1. Dreamlike
2. Dreamer
3. Dreamy

4. Dreamland

5. Dreamtime

a. 2 - 4 - 1 - 5 - 3

b. 4 - 1 - 2 - 3 - 5

c. 2 - 4 - 1 - 3 - 5

d. 1 - 4 - 2 - 5 - 3

29. A paper is folded and cut as shown in the following figures. How will it appear when unfolded? (+1, -0.25)



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30. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure. (+1, -0.25)

RLKQSN

- a. NSQKLR
- b. RSKQJЯ
- c. ЯГKQSN
- d. ЯJKQSN

31. Select the correct sequence of mathematical signs to replace the * signs so as to balance the given equation. (+1, -0.25)

$$92 * 4 * 36 * 13 * 9 = 104$$

- a. ÷, -, +, ×
- b. +, -, ÷, ×
- c. -, ÷, ×, +
- d. ×, +, ÷, -

32. Select the option word that is related to the third word in the same way as the second word is related to the first word. (+1, -0.25)

Tuesday : Saturday :: May : _____

- a. September

- b. April
 - c. October
 - d. August
-

33. If in a coding system STAMINA is coded as 74 and OCTOBER is coded as 75, then how will IMPOSING be coded in the same coding system? **(+1, -0.25)**

- a. 117
 - b. 99
 - c. 114
 - d. 102
-

34. Which number will replace the question mark (?) in the following number series? **(+1, -0.25)**

4, 6, 9, 14, 23, 40, ?

- a. 72
 - b. 73
 - c. 71
 - d. 74
-

35. If - is interchanged with \div and + is interchanged with \times , then which of the following equations is correct? **(+1, -0.25)**

- a. $32 \times 21 + 9 \div 184 - 8 = 198$

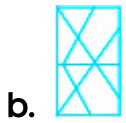
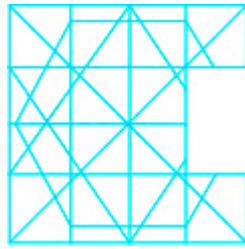
b. $32 + 21 - 9 \times 184 \div 8 = 198$

c. $32 \div 21 + 9 - 184 \times 8 = 198$

d. $32 + 21 \times 9 - 184 \div 8 = 198$

36. Identify the option figure that completes the following pattern.

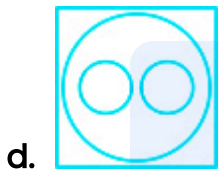
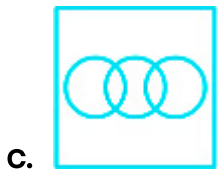
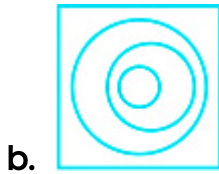
(+1, -0.25)



37. Select the Venn diagram that best illustrates the relationship between the following classes:

(+1, -0.25)

Playground, Stadium, Goalpost



38. In a row of 47 persons, X is 14th from the front while Y is 17th from the back. If they exchange their location, Y becomes 34th from the back, then what will be the position of X from the front? (+1, -0.25)

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- a. 32
- b. 30
- c. 31
- d. 29

39. Three statements are given, followed by four conclusions numbered I, II, III and IV. 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. (+1, -0.25)

Statements:

Some advocates are doctors.

Some doctors are players.

All players are engineers.

Conclusions:

I. Some players are doctors.

II. Some engineers are advocates.

III. All advocates are engineers.

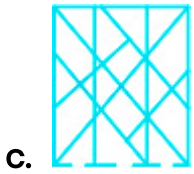
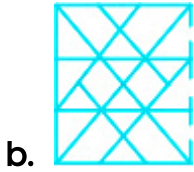
IV. Some engineers are doctors.

- a. Both conclusions I and II follow
- b. Both conclusions I and IV follow
- c. Both conclusions I and III follow
- d. Both conclusions II and IV follow

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40. Identify the option in which following figure is embedded (rotation is NOT applicable). (+1, -0.25)





41. Which number will replace the question mark (?) in the following number series? (+1, -0.25)

168, 168, 84, 28, ?

- a. 4
- b. 7
- c. 12
- d. 14

42. Select the option that is related to the third letter cluster in the same way (+1, -0.25) as the second letter cluster is related to the first letter cluster.

CONCEPT : DDFOPQU :: NARROWS : _____.

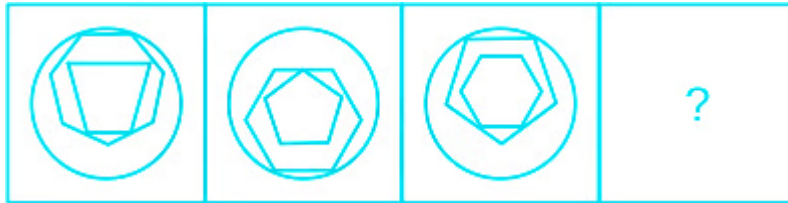
- a. OBSSPXT
- b. BOPSSTX

c. WSRRONA

d. XTSP OBS

43. Select the option figure that will replace question mark (?) in the following figure series.

(+1, -0.25)



44. If in a coding system LEARNING is coded as 82463739 and MOBILE is coded as 510782, then how will IMAGINE be coded in the same coding system?

(+1, -0.25)

- a. 7549732
 - b. 6548732
 - c. 8317945
 - d. 7206834
-

45. In a certain code language, if GLAMOUR is written as AGLMORU, then how will RUTTING be written in the same code language? (+1, -0.25)

- a. GNURITT
 - b. GINRTTU
 - c. INGTTRU
 - d. GNITTUR
-

46. Two statements are given, followed by two conclusions numbered I and II. 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. (+1, -0.25)

Statements:

All trees are plants.

Some plants are climbers.

Conclusions:

I. Some plants are trees.

II. Some trees are climbers.

- a. Neither conclusion I nor II follows.
 - b. Only conclusion II follows.
 - c. Both conclusions I and II follow
 - d. Only conclusion I follows.
-

47. Select the option in which the numbers are related in the same way as the numbers of the following set. (+1, -0.25)

46 : 82 : 154

- a. 62 : 116 : 224
 - b. 86 : 159 : 303
 - c. 78 : 141 : 276
 - d. 70 : 133 : 258
-

48. Which letter cluster will replace the question mark (?) in the following letter series? (+1, -0.25)

TPM, IEB, XTQ, ?

- a. MIF
 - b. MIE
 - c. NJF
 - d. NJG
-

49. In a certain code language, if IRONING is written as OWSQKOG, then how will SHERIFF be written in the same code language? (+1, -0.25)

- a. HSREFIF
- b. YMKWLK
- c. YMIUKGF
- d. YNKXOLL

50. 'Truck' is related to 'Road' in the same way as 'Tram' is related to ' (+1, -0.25)

- '
- a. Rope
 - b. Rail
 - c. Wheels
 - d. Air



Numerical Aptitude

51. If a certain sum at compound interest becomes 3 times in 4 years, then in how many years will it become 9 times, at the same rate of interest? (+1, -0.25)
- a. 6 years
 - b. 9 years
 - c. 10 years
 - d. 8 years
-

52. A train covers a distance of 275 km in $2\frac{1}{2}$ hours with a uniform speed. The time taken to cover a distance of 440 km with the same speed is: (+1, -0.25)
- a. $4\frac{1}{2}$ hours
 - b. 6 hours
 - c. 5 hours
 - d. 4 hours
-

53. The cost prices of two articles are in the ratio 4 : 5. While selling these articles, the shopkeeper gains 10% on one article and 20% profit on the other article, and the difference in the selling price is Rs. 480. Find the total cost price of both the articles. (+1, -0.25)
- a. Rs. 3,000
 - b. Rs. 2,700
 - c. Rs. 2,500

d. Rs. 2,800

54. A sum of Rs. 17,200 is lent out at simple interest in two parts for two years at 8% and 10% p.a., respectively. If the total interest received after two years is Rs. 3,008, then the money lent at 8% rate is: (+1, -0.25)

a. Rs. 9000

b. Rs. 9600

c. Rs. 10800

d. Rs. 12800

55. The radii of the circular ends of a frustum of a cone are 20 cm and 13 cm and its height is 12 cm. What is the capacity (in litres) of the frustum (correct to one decimal place)? (Take $\pi = 22/7$) (+1, -0.25)

a. 11.2

b. 11.4

c. 10.8

d. 10.4

56. The perimeter of rectangular field is 386 m and the difference between its two adjacent sides is 95 m. The side of a square field, having the same area as that of the rectangle. is: (+1, -0.25)

a. 64 m

b. 84 m

c. 74 m

d. 82 m

57. If the mean of $x + 1$, $x + 12$, $2x + 3$ and $3x + 5$ is 21, then the value of x is: **(+1, -0.25)**

a. 12

b. 10

c. 8

d. 9

58. 14 men complete a work in 18 days. If 21 men are employed, then the time required to complete the same work will be: **(+1, -0.25)**

a. 14 days

b. 10 days

c. 15 days

d. 12 days

59. The value of $\frac{2 - \left(\frac{6}{7} \text{ of } 21 + 5.25\right)}{\frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39}$ is **(+1, -0.25)**

a. $\frac{11}{5}$

b. -1

c. $\frac{17}{5}$

d. 1

60. Ramesh invested 30% more than Suresh. Suresh invested 40% less than Arun, who invested Rs. 8,000. The total amount invested by all of them together is: (+1, -0.25)

- a. Rs. 19,020
- b. Rs. 18,020
- c. Rs. 19,040
- d. Rs. 19,080

61. A laborer was engaged for a certain number of days for Rs. 8,500, but due to his absence for some days, he was paid Rs. 6,050 only. Find the number of days that he was absent? (+1, -0.25)

- a. 49
- b. 45
- c. 44
- d. 42

62. If the radius of a cylinder is decreased by 40% and the height is increased by 60% to form a new cylinder, then the volume will be decreased by (+1, -0.25)

- a. 41.5%
- b. 32.4%
- c. 40.5%
- d. 42.4%

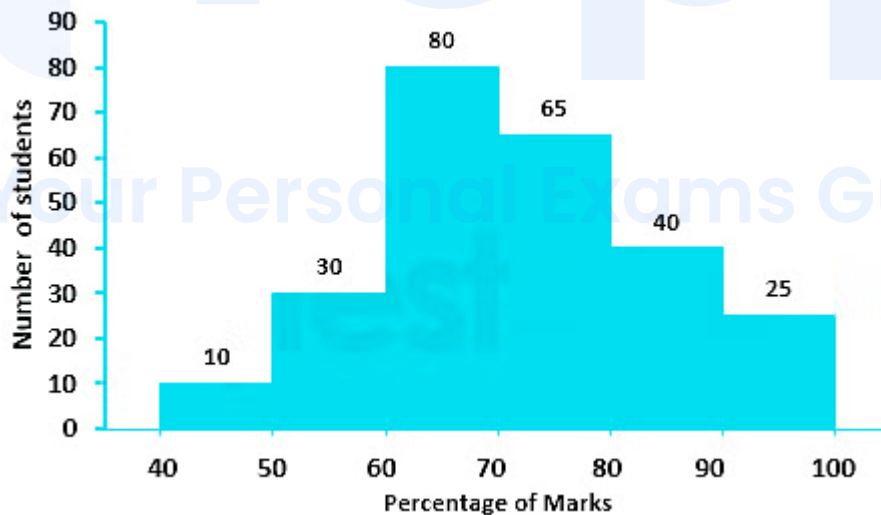
63. Three numbers are in the ratio 2 : 3 : 4. The sum of their squares is 2349. (+1, -0.25)
Find the average of these three numbers

- a. 27
- b. 29
- c. 24
- d. 25

64. Study the histogram and answer the question given below. (+1, -0.25)

The given graph represents the percentage of marks scored by students in class X Board Examination in 2018 in a school.

Total number of students = 250



The difference between the percentage of students who scored less than 70% marks and the percentage of students who scored 80% and above is:

- a. 18%

- b. 25%
 - c. 24%
 - d. 22%
-

65. 70 males and 100 females are working in a firm. During one mass recruitment drive, an equal number of males and females are recruited and their ratio becomes 3 : 4. The total number of people working in the firm after recruitment is: (+1, -0.25)

- a. 240
 - b. 200
 - c. 210
 - d. 220
-

66. A reduction of 15% in the price of sugar enables Aruna Rai to buy 6 kg more for Rs. 272. The reduced price of sugar per kg is: (+1, -0.25)

- a. Rs. 7.80
 - b. Rs. 6
 - c. Rs. 6.80
 - d. Rs. 6.50
-

67. The speed of A is 20 km/h more than the speed of B. The time that A takes to travel a distance of 300 km is 2 hours less than the time that B takes to travel a distance of 240 km. What is the speed (in km/h) of A? (+1, -0.25)

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

68. A is 120% of B and B is 65% of C. If the sum of A, B and C is $121\frac{1}{2}$, then the value of $2C - 4B + A$ is: (+1, -0.25)

- a. 15
 - b. 9
 - c. 10
 - d. 12
-

69. Between two consecutive years, my income is in the ratio 2 : 5 and expenses are in the ratio 4 : 7. If my income in the second year is Rs. 75,000 and my expenses in the first year are Rs. 20,000, then my total savings in the two years together are: (+1, -0.25)

- a. Rs. 55,000
 - b. Rs. 60,000
 - c. Rs. 50,000
 - d. Rs. 40,000
-

70. The average of eight consecutive numbers is 10.5. The largest number is: (+1, -0.25)

- a. 16
 - b. 14
 - c. 18
 - d. 15
-

71. A shopkeeper sold 25 articles in such a way that he gets a profit which is equal to the selling price of 5 articles. Find his profit percent? (+1, -0.25)

- a. 20%
 - b. 30%
 - c. 25%
 - d. 18%
-

72. If the width of the path around a square field is 4.5 m and the area of the path is 252 m^2 , then the length of the side of the field is: (+1, -0.25)

- a. 9.5 m
 - b. 9 m
 - c. 8 m
 - d. 8.5 m
-

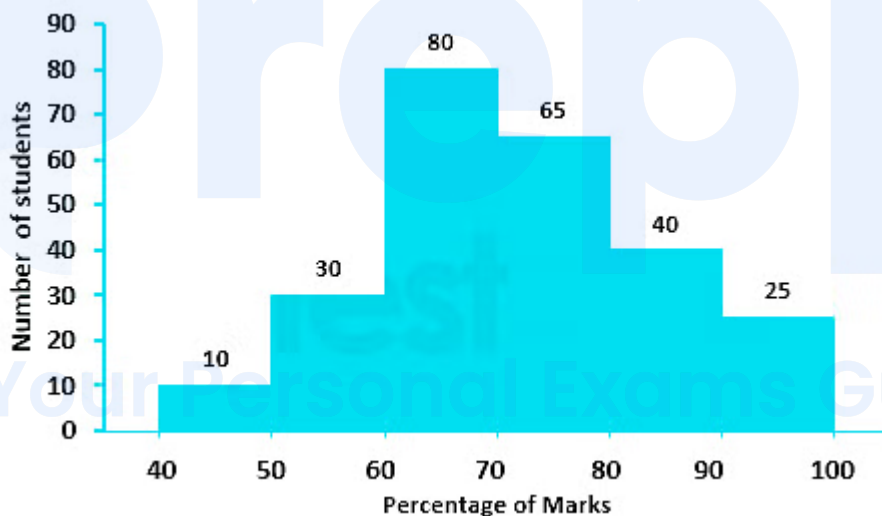
73. A can do a piece of work in 60 days. He works at it for 15 days, and then B alone finishes the remaining work in 30 days. In how many days can A and B working together finish the same work? (+1, -0.25)

- a. 22 days
- b. 25 days
- c. 20 days
- d. 24 days

74. Study the histogram and answer the question given below. (+1, -0.25)

The given graph represents the percentage of marks scored by students in class X Board Examination in 2013 in a school,

Total number of students = 250



The ratio of the number of students who scored marks less than 60% to the number of students who scored marks 80% and above is:

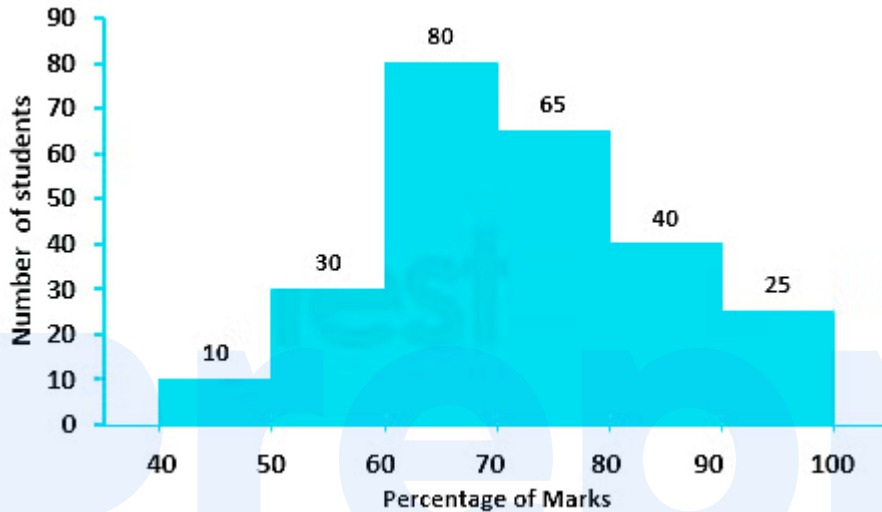
- a. 7 : 11
- b. 8 : 13
- c. 7 : 13
- d. 8 : 15

75. Study the histogram and answer the question given below.

(+1, -0.25)

The given graph represents the percentage of marks scored by students in class X Board Examination in 2018 in a school.

Total number of students = 250



The number of students who scored less than 60% marks is approximately what percentage less than the number of students who scored 70% and above?

- a. 69.23%
- b. 68.35%
- c. 67.23%
- d. 68%

General Awareness

76. _____ is a palace in Jaipur, built by Sawai Pratap Singh. (+1, -0.25)

- a. Lallgarh Palace
- b. Umaid Bhavan
- c. Hawa Mahal
- d. Sajjangarh Palace

77. The river Indus was called _____ by the Iranians and the Greeks about 2500 years ago. (+1, -0.25)

- a. Vitasta
- b. Karnali
- c. Vipasa
- d. Hindos

78. Which of the following fall under Phylum Cnidarian of the animal kingdom? (+1, -0.25)

- a. Sea urchins
- b. Earthworms
- c. Snails
- d. Corals

79. Which Indian finance minister was India's delegate to the World Monetary Conference at Bretton Woods in 1944 ? **(+1, -0.25)**
- a. KC Neogy
 - b. CD Deshmukh
 - c. John Mathai
 - d. RK Shanmukham Chetty
-

80. Which of the following is a book by former Prime Minister of India, Indira Gandhi? **(+1, -0.25)**
- a. Discovery of India
 - b. Wings of Fire
 - c. My Experiments with Truth
 - d. My Truth
-

81. Which of the following statements about tides is **INCORRECT** ? **(+1, -0.25)**
- a. Spring tides occur on full moon and new moon days.
 - b. High tides occur when the moon is in its first and last quarter.
 - c. Low tides are also called neap tides.
 - d. Tides are caused by the gravitational pull exerted by the sun and the moon on Earth's surface.
-

82. 'Microliths' were _____ used by early humans. (+1, -0.25)

- a. coins
- b. stone tools
- c. clothes
- d. earthen pots

83. Starch and sugar in our food are forms of _____. (+1, -0.25)

- a. vitamins
- b. fats
- c. carbohydrates
- d. proteins

84. _____ is a dance which combines speech, mime and pure dance. (+1, -0.25)

- a. Kathakali
- b. Bharatanatyam
- c. Mohiniattam
- d. Kuchipudi

85. Which of the following statements about bryophytes is not true? (+1, -0.25)

- a. They are called amphibians of the plant kingdom.

- b. The presence of a special tissue is found in these for the flow of water and other substances from one part of the plant body to another.
 - c. Their body is generally differentiated by taking the form of stem and leaf-like structures.
 - d. Moss (*Funaria*) and *Marchantia* are examples of bryophytes.
-

86. Which of the following badminton players has NEVER won an Arjuna Award? (+1, -0.25)

- a. PV Sindhu
 - b. Neha Pandit
 - c. Parul Parmar
 - d. Ashwini Ponnappa
-

87. Which of the following persons was NOT a part of the Committee of Administrators (CoA) appointed by the Supreme Court of India in 2017, to oversee the implementation of the Lodha reforms in the Board of Control for Cricket in India (BCCI)? (+1, -0.25)

- a. Vinod Rai
 - b. Mahim Verma
 - c. Vikram Limaye
 - d. Ramachandra Guha
-

88. As per a report of the Ministry of Statistics and Programme Implementation (Government of India), India recorded an Infant Mortality Rate (IMR) of _____ to 1000 live births in the year 2016. (+1, -0.25)

- a. 68
 - b. 55
 - c. 34
 - d. 47
-

89. Which of the following Indian states was one of the worst affected by the tsunami on 26th December 2004? (+1, -0.25)

- a. Bihar
 - b. Maharashtra
 - c. Tamil Nadu
 - d. Uttar Pradesh
-

90. Mechanical energy is the sum of potential energy and _____ energy. (+1, -0.25)

- a. electrical
 - b. kinetic
 - c. heat
 - d. chemical
-

91. The Indian Super League (ISL) is a _____ championship. (+1, -0.25)

- a. football
 - b. kabaddi
 - c. kho-kho
 - d. cricket
-

92. Article _____ of the Constitution of India deals with freedom to manage religious affairs. (+1, -0.25)

- a. 21
 - b. 26
 - c. 51
 - d. 56
-

93. A wooden bat can be classified as a/an _____ object. (+1, -0.25)

- a. translucent
 - b. opaque
 - c. lustrous
 - d. transparent
-

94. Which Part of the Constitution of India deals with citizenship? (+1, -0.25)

- a. Part 6
 - b. Part 3
 - c. Part 2
 - d. Part 5
-

95. We celebrate 'Samvidhan Divas' on _____ every year, to commemorate the adoption of the Constitution of India. (+1, -0.25)

- a. 26th January
 - b. 26th November
 - c. 15th September
 - d. 15th August
-

96. Which of the following books has been written by Munshi Premchand? (+1, -0.25)

- a. Gitanjali
 - b. Gora
 - c. Chokher Bali
 - d. Nirmala
-

97. Which of the following is a tributary of the river Ganga? (+1, -0.25)

- a. Sabarmati
- b. Mahi

- c. Ghaghra
 - d. Bhima
-

98. To which of the following sectors of the economy do Basel III norms belong? (+1, -0.25)

- a. Banking
 - b. Capital market
 - c. Automobile
 - d. Aviation
-

99. The tenth day after _____ Navratri is celebrated as Dussehra or Vijayadashami. (+1, -0.25)

- a. Sharad
 - b. Ashadha Gupt
 - c. Chaitra
 - d. Magha Gupt
-

100. Rulers of mahajanapadas in ancient India collected a tax called 'Bhaga' from the _____ in their region. (+1, -0.25)

- a. farmers
- b. herders
- c. crafts persons

d. hunters and gatherers

prepp

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Answers

1. Answer: c

Explanation:

Here the correct answer is **Idle** .

★ Key Points

- Let's look at the **meaning** of the given word:-
 - **Efficient** - (of a system or machine) achieving maximum productivity with minimum wasted effort or expense; (of a person) working in a well-organized and competent way. (कुशल)
- Let's look at the **meaning** of the words given in options:-
 - **Idle** - avoiding work; lazy. (काम से बचना; काम चोर)
 - **Expert** - a person who is very knowledgeable about or skillful in a particular area. (विशेषज्ञ)
 - **Common** - occurring, found, or done often; prevalent. (सामान्य)
 - **Clever** - quick to understand, learn, and devise or apply ideas; intelligent. (चतुर)
- Thus, after looking at the meaning of the given words, it is clear that the correct **antonym** for 'efficient' is 'idle' .
- Therefore, the correct answer is **Option 3**.

2. Answer: d

Explanation:

Here the correct answer is **Dear and important to oneself**.

★ Key Points

- Let's look at the **meaning** of the given idiom:-

- **Close to one's heart** – personally important to, or loved by, someone. (किसी के लिए व्यक्तिगत रूप से महत्वपूर्ण, या उसके लिए प्रिय)
 - For Example – That old dog is very **close to my heart** .
- Thus, the correct answer is **Option 4** .

3. Answer: a

Explanation:

Here the correct answer is **Aviary** .

★ Key Points

- Let's look at the **meaning** of the correct answer:-
 - **Aviary** – a large cage, building, or enclosure for keeping birds in. (पक्षियों को रखने के लिए एक बड़ा पिंजरा, भवन या बाड़ा)
- Thus, the correct answer is **Option 1** .

★ Additional Information

- Let's look at the **meaning** of the other words given in options:-
 - **Apiary** – a place where bees are kept; a collection of beehives. (वह स्थान जहाँ मधुमक्खियाँ रखी जाती हैं; मधुमक्खियों का एक संग्रह)
 - **Bam** – used to imitate the sound of a hard blow or to convey something happening abruptly. (एक कठिन प्रहार की आवाज की नकल करना या अचानक होने वाली किसी बात को व्यक्त करना)
 - **Shed** – a simple roofed structure used for garden storage, to shelter animals, or as a workshop. (एक साधारण छत वाली संरचना जिसका उपयोग बगीचे के भंडारण के लिए, जानवरों को आश्रय देने के लिए, या एक कार्यशाला के रूप में किया जाता है)

4. Answer: c

Explanation:

Here the correct answer is **Frail** .

★ Key Points

- Let's look at the **meaning** of the given word:-
 - **Delicate** - easily broken or damaged; fragile. (नाज़ुक)
- Let's look at the **meaning** of the words given in options:-
 - **Brisk** - active and energetic. (सक्रिय और ऊर्जावान)
 - **Robust** - strong and healthy; vigorous. (मजबूत और स्वस्थ; ज़ोरदार)
 - **Frail** - (of a person) weak and delicate. (कमजोर और नाज़ुक)
 - **Hearty** - loudly vigorous and cheerful. (हंसमुख; हार्दिक)
- Thus, after looking at the meanings of the given words, it is clear that the synonym of ' **delicate** ' is **Frail** ' .
- Therefore, the correct answer is **Option 3**.

5. Answer: b

Explanation:

The correct answer is 'which has ripened'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, 'which has ripened' should be used instead of 'which has ripen'.
- After 'has/have', the past participle form of the verb is used.
- In the given sentence, ' ripened ' should be used instead of ' ripen ' .
- It means '**become or make ripe**' .
 - *Example: Strawberries and cucumbers have been ripened in a forcing frame.*

Correct Sentence: *The farmer is cutting the corn which has **ripened** in the fields.*

★ Hinglish

- दिया गया वाक्य व्याकरण की दृष्टि से गलत है।
- यहाँ 'which has ripen' के स्थान पर 'which has ripened' का प्रयोग करना चाहिए।

- Verb के **Past participle form** का प्रयोग 'has/have' के बाद किया जाता है।
- दिए गए वाक्य में 'ripe' के स्थान पर 'ripened' का प्रयोग होना चाहिए।
- इसका अर्थ है 'पकना या बनाना'।
 - *Example: Strawberries and cucumbers have been ripened in a forcing frame.*

6. Answer: a

Explanation:

Here the correct answer is **Poultry**.

★ Key Points

- The given word i.e. '**Poultry**' is incorrectly spelled.
- Let's look at the **correct spelling and meaning** of the given word:-
 - **Poultry** - domestic fowl, such as chickens, turkeys, ducks, and geese. (मुर्गी पालन)
- Thus, the correct answer is **Option 1**.

★ Additional Information

- Let's look at the **meaning** of the other words given in options:-
 - **Symmetry** - the quality of being made up of exactly similar parts facing each other or around an axis. (समरूपता)
 - **Sultry** - (of the air or weather) hot and humid. (उमसदार)
 - **Gentry** - people of good social position, specifically the class of people next below the nobility in position and birth. (अच्छी सामाजिक स्थिति के लोग, विशेष रूप से स्थिति और जन्म में बड़प्पन से नीचे के लोगों का वर्ग)

7. Answer: a

Explanation:

Here the correct answer is **Become crazy**.

★ Key Points

- Let's look at the **meaning** of the given idiom:-
- **Go bonkers** - To be or become wild, restless, irrational, or crazy or to act in such a way. (जंगली, बेचैन, तर्कहीन या पागल होना या इस तरह से कार्य करना)
 - For Example - Don't give the kids too much sugar or they'll end up **going bonkers** !
- Thus, the correct answer is **Option 1**.

8. Answer: a

Explanation:

The correct answer is '**for repair**'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, '**for repairing**' should be used instead of '**for repair**'.
- If we want to follow a **preposition** by a **verb**, we must use the "**-ing**" form which is really a gerund or verb in noun form.
 - *Example: I will call you after **arriving** at the office.*
- Hence, '**repairing**' should be used.

Correct Sentence: *I paid the plumber **for repairing** the pipes.*

★ Hinglish

- दिया गया वाक्य व्याकरण की दृष्टि से गलत है।
- यहां '**for repair**' के स्थान पर '**for repairing**' का प्रयोग करना चाहिए।
- यदि हम किसी **verb** द्वारा **preposition** का पालन करना चाहते हैं, तो हमें "**-ing**" रूप का उपयोग करना चाहिए जो वास्तव में **noun** रूप में एक **gerund** या **verb** है।
 - *Example: I will call you after **arriving** at the office.*
- इसलिए '**repairing**' का प्रयोग करना चाहिए।

9. Answer: a

Explanation:

The correct answer is ' **assigned** '.

★ Key Points

- The given sentence states that the task was given to the juniors.
- The most appropriate word for the given blank is ' **assigned** '.
- It means ' **to give somebody a particular job to do** '. (किसी को नियुक्त करना, कार्यभार सौंपना)
 - *Example: The case has been **assigned** to our most senior officer.*

Correct Sentence: *The task has been **assigned** to the juniors.*

★ Additional Information

- Let's look at the **meaning** of the other words:
 - **Attached** : liking somebody/something very much. (अनुरक्त, लगाव-युक्त)
 - **Hired** : to have the use of something for a short time by paying for it. (किसी वस्तु को किराए पर लेना)
 - **Elected** : to choose somebody to have a particular job or position by voting for him/her. [मतदान के द्वारा (किसी को) निर्वाचित करना या चुनना]

10. Answer: c

Explanation:

The correct answer is ' **blew out** '.

★ Key Points

- The given sentence is grammatically incorrect.
- The most appropriate **phrasal verb** for the given underlined part is ' **blew out** '.

- It means 'to extinguish by a gust'. (इसका अर्थ है एक झोंके से बुझाना)
 - Example: He **blew out** all 60 candles on his birthday cake.
- The given sentence is talking about a past incident, hence the second form of 'blow' that is 'blew' should be used.

Correct Sentence: *The strong wind **blew out** all the candles.*

11. Answer: a

Explanation:

The correct answer is 'very few people'.

★ Key Points

- The given sentence is grammatically incorrect.
- Here, 'very few people' should be used instead of 'very little peoples'.
- We use **few** and **a few** with **countable nouns** in the **plural form**, and we use **little** and **a little** with **uncountable nouns**.
- In the given sentence 'peoples' should be changed into 'people' because we don't use 's' after 'people'.
- Example:
 - *Few people live to be 100.*
- Hence, 'very few people' should be used.

Correct Sentence: *There are very few people in this world who are bold enough to defy social customs.*

★ Hinglish

- दिया गया वाक्य व्याकरण की दृष्टि से गलत है।
- यहाँ 'very little peoples' के स्थान पर 'very few people' का प्रयोग किया जाना चाहिए।
- हम **plural form** में **countable nouns** के साथ **few** और **a few** का उपयोग करते हैं, और हम **uncountable nouns** के साथ **little** और **a little** उपयोग करते हैं।
- दिए गए वाक्य में 'peoples' को 'people' में बदलना चाहिए क्योंकि हम 'people' के बाद 's' का प्रयोग नहीं करते हैं।

- *Example:*
 - *Few people live to be 100.*
 - इसलिए 'very few people' का प्रयोग करना चाहिए।
-

12. Answer: c

Explanation:

The correct answer is 'regularly'

★ Key Points

- According to the given sentence, the speaker is saying about his regular actions.
- Let's see the meanings of the given words-
 - **continuously**- without a pause or interruption
 - **unevenly**- in a way that is not level, equal, flat, or continuous
 - **regularly**- with equal or similar amounts of space or time between one and the next
 - Example- We meet regularly to discuss progress on the project.
 - **finally**- after a long time or some difficulty
- Hence, according to the meanings of the given words, the correct answer is Option 3 i.e. regularly.

So the correct answer is- *I visit my grandparents regularly.*

13. Answer: b

Explanation:

Here the correct answer is **Imposter**.

★ Key Points

- Let's look at the **meaning** of the correct answer:-

- **Imposter** - a person who pretends to be someone else; one that assumes false identity or title for the purpose of deception. (ढोंगी; एक व्यक्ति जो किसी और के होने का दिखावा करता है; वह जो धोखे के उद्देश्य से झूठी पहचान या उपाधि धारण करता है)
- Thus, the correct answer is **Option 2**.

★ Additional Information

- Let's look at the **meaning** of the other words given in options:-
 - **Actor** - a person whose profession is acting on the stage, in films, or on television. (अभिनेता)
 - **Mentor** - an experienced and trusted adviser. (उपदेशक)
 - **Gangster** - a member of a gang of violent criminals. (बदमाश; हिंसक अपराधियों के गिरोह का एक सदस्य)

14. Answer: b

Explanation:

The erroneous part is 'at joy'

★ Key Points

- In the given sentence, the usage of 'at joy' is incorrect instead of this we need to use 'for joy'
- "Jump for joy" is a phrase that means 'to be extremely happy'
- Let's see an example-
 - "So how did Thomas take the news?" "He didn't exactly jump for joy."

So the correct sentence is- *The children jumped **for joy** when they saw the slides in the park.*

15. Answer: c

Explanation:

The correct answer is 'No substitution required'

★ Key Points

- In the given sentence, the usage of 'got away from' is correct.
- The meaning of the phrase 'get away from' is- to avoid being caught by (someone) or to go away from (a place)
- In the given sentence, we need to use past simple tense because the whole sentence is in the past tense.
- The meaning of 'get out with' is- a means of avoiding something; an excuse. (hence, this can't be the correct phrase)

So the correct sentence is- *He got away from punishment as there was not enough evidence against him.*

16. Answer: b

Explanation:

Here the correct answer is **Baffle**.

★ Key Points

- Let's look at the **meaning** of the given word:-
 - **Baffle** - totally bewildered or perplexed. (पूरी तरह से हैरान करने वाला)
- Let's look at the **meaning** of the words given in options:-
 - **Clarify** - make (a statement or situation) less confused and more comprehensible. (सफाई देना)
 - **Perplex** - complicate or confuse (a matter); make (someone) feel completely baffled. (हक्का-बक्का करना)
 - **Comfort** - a state of physical ease and freedom from pain or constraint. (शारीरिक आराम और दर्द या बाधा से मुक्ति की स्थिति; आराम)
 - **Soothe** - reduce pain or discomfort in (a part of the body); relieve or ease (pain). (शांत करना)
- Thus, after looking at the meanings of the given words, it is clear that the synonym of 'baffle' is 'perplex'.

- Therefore, the correct answer is **Option 2**.

17. Answer: c

Explanation:

The correct answer is '**much easier**'

★ Key Points

- In the given sentence, the two things are compared hence, we need to use a comparative degree.
- The adjective degrees are- easy→ easier→ easiest. The meaning of the adjective is- Something that is easy can be done or achieved without effort or difficulty because it is not complicated and causes no problems.
- You use much in front of 'too' or comparative adjectives and adverbs in order to emphasize that there is a large amount of a particular quality.
- Let's see an example-
 - This is **much easier** than it sounds.

Hence, the correct sentence is- *This lesson is **much easier** than the previous one.*

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18. Answer: b

Explanation:

Here the correct answer is **Shaky** .

★ Key Points

- Let's look at the meaning of the given word:-
 - Stable - sane and sensible; not easily upset or disturbed; (of an object or structure) not likely to give way or overturn; firmly fixed. (स्थिर)
- Let's look at the meaning of the words given in options:-

- **Steady** - firmly fixed, supported, or balanced; not shaking or moving. (नियमित)
- **Shaky** - not safe or reliable; liable to fail or falter; not safe or reliable; liable to fail or falter. (अस्थिर)
- **Stout** - (of a person) rather fat or of heavy build. (मोटा)
- **Safe** - protected from or not exposed to danger or risk; not likely to be harmed or lost. (सुरक्षित)
- Thus, after looking at the meaning of the given words, it is clear that the correct antonym for 'stable' is 'shaky'.
- Therefore, the correct answer is Option 2.

19. Answer: d

Explanation:

Here the correct answer is **Flowerist**.

★ Key Points

- The given word i.e. 'Flowerist' is **incorrectly spelt**.
- Let's look at the **correct spelling** and **meaning** of the given word:-
 - **Florist** - a person who sells and arranges cut flowers. (फूलवाला)
- Thus, the correct answer is **Option 4**.

★ Additional Information

- Let's look at the **meaning** of the other words given in options:-
 - **Tourist** - a person who is travelling or visiting a place for pleasure. (पर्यटक)
 - **Chemist** - a person authorized to dispense medicinal drugs. (रसायनज्ञ); औषधीय दवाओं के वितरण के लिए अधिकृत व्यक्ति
 - **Cyclist** - a person who rides a bicycle. (एक व्यक्ति जो साइकिल चलाता है)

20. Answer: c

Explanation:

The correct answer is 'what'

★ Key Points

- The given sentence is an interrogative sentence.
- Let's see the meanings of the Wh- words-
 - **Why-** for what reason किस कारण से
 - **Whom-** used instead of "who" as the object of a verb or preposition क्रिया या पूर्वसर्ग की वस्तु के रूप में "कौन" के बजाय प्रयोग किया जाता है
 - **What-** used to ask for information about people or things लोगों या चीजों के बारे में जानकारी मांगते थे
 - **When-** at what time; at the time at which कितने बजे; जिस समय
 - *Example- What books did you buy?*
- Hence, according to the meanings of the given words, the correct answer is **Option 3 i.e. what.**

So the correct sentence is- *What is the reason for this chaos?*

21. Answer: a

Explanation:

The correct answer is 'that'

★ Key Points

- The judge, in a solemn manner, declared (1)_____ there was enough evidence
- In the given sentence, we need an object after the main verb '**declared**' an object can be a noun/noun clause/noun phrase. So we need to make a noun clause. Hence, the conjunction used to make a clause will be 'that'
- So the correct answer is Option 1.

So the correct passage will be:- *The judge, in a solemn manner, declared (1) that there was enough evidence to (2) _____ that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.*

22. Answer: d

Explanation:

The correct answer is 'prove'

★ Key Points

- evidence to (2) _____ that Max had indeed
- According to the meaning of the sentence, we have evidence because we need to prove something in front of someone else.
- Let's see the meanings of the given words-
 - **Result-** something that happens or exists because of something else
 - **Test-** a way of discovering, by questions or practical activities, what someone knows, or what someone or something can do or is like
 - **Example-** The class is doing/having a spelling test today.
 - **Check-** to make certain that something or someone is correct, safe, or suitable by examining it, him, or her quickly
 - **Prove-** to show a particular result after a period of time
 - **Example-** The operation proved a complete success.
- Hence, according to the meanings and the context of the sentence, the correct answer is **Option 4 i.e. Prove.**

So the correct passage will be:- *The judge, in a solemn manner, declared (1) that there was enough evidence to (2) **prove** that Max had indeed (3) _____ his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.*

23. Answer: c

Explanation:

The correct answer is '**stolen**'

★ Key Points

- Max had indeed (3) _____ his neighbour's cat.
- In the given sentence, we need to use a third form of the verb because the auxiliary verb used is 'had'. So the correct verb form is 'Stolen'
- The verb forms are- Steal→ Stole→ Stolen→ Stealing(gerund/present participle)

So the correct passage will be:- *The judge, in a solemn manner, declared (1) that there was enough evidence to (2) prove that Max had indeed (3) **stolen** his neighbour's cat. This was a (4) _____ crime and deserved an (5) _____ punishment.*

24. Answer: b

Explanation:

The correct answer is '**serious**'

★ Key Points

- This was a (4) _____ crime
- Let's see the meanings of the given words-
 - **Stem**-a central part of something from which other parts can develop or grow, or which forms a support
 - **Serious**- severe in effect; bad
 - Example- This is a very serious offense.
 - **Sober**- Calm
 - Anthony was in a very sober mood - I scarcely heard him laugh all night.
 - **Steady**-happening in a smooth, gradual, and regular way, not suddenly or unexpectedly.

- Hence, according to the meanings of the given words, the correct answer is **Option 2 i.e. serious.**

So the correct passage will be:- *The judge, in a solemn manner, declared (1) that there was enough evidence to (2) prove that Max had indeed (3) stolen his neighbour's cat. This was a (4) **serious** crime and deserved an (5) _____ punishment.*

25. Answer: c

Explanation:

The correct answer is 'appropriate'

★ Key Points

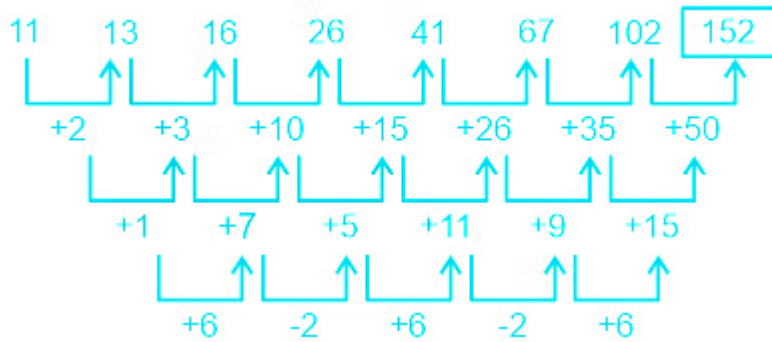
- crime and deserved an (5) _____ punishment.
- Let's see the meanings of the given words-
 - **Invisible-** impossible to see
 - **Improper-** dishonest and against a law or a rule
 - **Appropriate-** suitable or right for a particular situation or occasion
 - **Anxious-** worried and nervous
- Hence, according to the meanings of the given words, the correct answer is **Option 3 i.e. appropriate.**

So the correct passage will be:- *The judge, in a solemn manner, declared (1) that there was enough evidence to (2) prove that Max had indeed (3) stolen his neighbour's cat. This was a (4) **serious** crime and deserved an (5) **appropriate** punishment.*

26. Answer: c

Explanation:

The logic followed here is :



Thus, the correct answer is "152" .

27. Answer: b

Explanation:

The logic follows here is :

Case (i) :

1) A is sitting second to the right of B



2) If C is second right of A



3) While F is second to the right of E



Then the position of 'D' is



In this case, "D is fourth left of F".

This statement is not present in options so it will be eliminated.

Case (ii):

1) A is sitting second to the right of B



2) If C is second right of A



3) While F is second to the right of E



Then the position of 'D' is



In this case, "D is second right of F".

Hence, sitting position of D is second right in respect of F.

Thus, the correct answer is "Second right".

28. Answer: a

Explanation:

The logic follows here is :

2. Drea mer

4. Drea mland

1. Drea mlike

5. Drea mtime

3. Drea my

Thus, the correct sequential order is "2 - 4 - 1 - 5 - 3".

29. Answer: a

Explanation:

The image obtained when the paper is unfolded is :

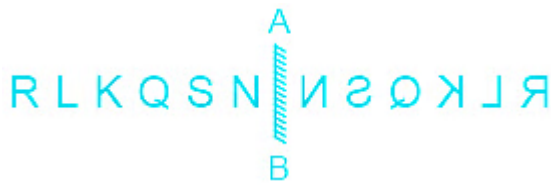


Hence, the correct answer is "Option 1".

30. Answer: b

Explanation:

The mirror image for the given figure is as follows :



Thus, the correct answer is "option 2" .

31. Answer: a

Explanation:

The logic followed here is :

By using **BODMAS** rule:

Given: $92 * 4 * 36 * 13 * 9 = 104$

Option 1) $\div, -, +, \times$

After replacing of signs :

$\Rightarrow 92 \div 4 - 36 + 13 \times 9 = 104$

$\Rightarrow 23 - 36 + 13 \times 9 = 104$

$\Rightarrow 23 - 36 + 117 = 104$

$\Rightarrow 140 - 36 = 104$

$\Rightarrow 104 = 104$ (LHS = RHS)

Option 2) $+, -, \div, \times$

After replacing of signs :

$\Rightarrow 92 + 4 - 36 \div 13 \times 9 = 104$

$\Rightarrow 92 + 4 - 2.769 \times 9 = 104$

$$\Rightarrow 92 + 4 - 24.9230 = 104$$

$$\Rightarrow 96 - 24.9230 = 104$$

$$\Rightarrow 71.0769 \neq 104 \text{ (LHS} \neq \text{RHS)}$$

Option 3) -, ÷, ×, +

After replacing of signs :

$$\Rightarrow 92 - 4 \div 36 \times 13 + 9 = 104$$

$$\Rightarrow 92 - 0.111 \times 13 + 9 = 104$$

$$\Rightarrow 92 - 1.444 + 9 = 104$$

$$\Rightarrow 101 - 1.444 = 104$$

$$\Rightarrow 99.55 \neq 104 \text{ (LHS} \neq \text{RHS)}$$

Option 4) ×, +, ÷, -

After replacing of signs :

$$\Rightarrow 92 \times 4 + 36 \div 13 - 9 = 104$$

$$\Rightarrow 92 \times 4 + 2.769 - 9 = 104$$

$$\Rightarrow 368 + 2.769 - 9 = 104$$

$$\Rightarrow 370.769 - 9 = 104$$

$$\Rightarrow 361.769 \neq 104 \text{ (LHS} \neq \text{RHS)}$$

Thus, the correct answer is "÷, -, +, ×".

32. Answer: a

Explanation:

The logic followed here is :

Tuesday : Saturday

According to the week days

Tuesday + 4 days = Saturday

Similarly,

According to months

May + 4 months = September

Thus, the correct answer is "**September**".

33. 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:

Sum of positional value of letters - 3 = number code.

STAMINA is coded as 74

Alphabets	S	T	A	M	I	N	A
Positional value	19	20	1	13	9	14	1

$$19 + 20 + 1 + 13 + 9 + 14 + 1 = 77$$

$$\Rightarrow 77 - 3 = 74$$

OCTOBER is coded as 75.

Alphabets	O	C	T	O	B	E	R
Positional Value	15	3	20	15	2	5	18

$$15 + 3 + 20 + 15 + 2 + 5 + 18 = 78$$

$$\Rightarrow 78 - 3 = 75$$

Similarly,

IMPOSING is coded as follows:

Alphabets	I	M	P	O	S	I	N	G
Positional value	9	13	16	15	19	9	14	7

$$9 + 13 + 16 + 15 + 19 + 9 + 14 + 7 = 102$$

$$\Rightarrow 102 - 3 = 99$$

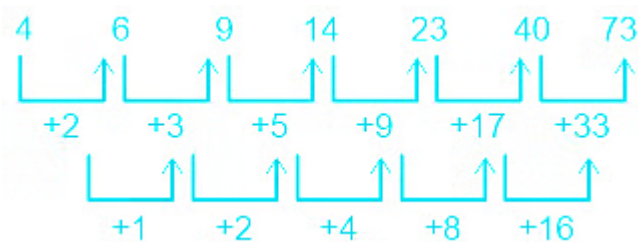
Hence, the correct answer is "99".

34. Answer: b

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Explanation:

The logic follows here is :



Thus, the correct answer is "73".

35. Answer: a

Explanation:

The logic followed here is:

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

By using **BODMAS** rule.

Sign	-	+
Interchanged sign	÷	×

Option 1) :

$$\Rightarrow 32 \times 21 + 9 \div 184 - 8 = 198$$

After interchanging of signs :

$$\Rightarrow 32 + 21 \times 9 - 184 \div 8 = 198$$

$$\Rightarrow 32 + 21 \times 9 - 23 = 198$$

$$\Rightarrow 32 + 189 - 23 = 198$$

$$\Rightarrow 221 - 23 = 198$$

$$\Rightarrow 198 = 198 \text{ (LHS = RHS)}$$

Option 2) :

$$\Rightarrow 32 + 21 - 9 \times 184 \div 8 = 198$$

After interchanging of signs :

$$\Rightarrow 32 \times 21 \div 9 + 184 - 8 = 198$$

$$\Rightarrow 32 \times 2.33 + 184 - 8 = 198$$

$$\Rightarrow 74.66 + 184 - 8 = 198$$

$$\Rightarrow 258.66 - 8 = 198$$

$$\Rightarrow 250.66 \neq 198 \text{ (LHS} \neq \text{RHS)}$$

Option 3) :

$$\Rightarrow 32 \div 21 + 9 - 184 \times 8 = 198$$

After interchanging of signs :

$$\Rightarrow 32 - 21 \times 9 \div 184 + 8 = 198$$

$$\Rightarrow 32 - 21 \times 0.0489 + 8 = 198$$

$$\Rightarrow 32 - 1.0271 + 8 = 198$$

$$\Rightarrow 40 - 1.0271 = 198$$

$$\Rightarrow 38.972 \neq 198 \text{ (LHS} \neq \text{RHS)}$$

Option 4) :

$$\Rightarrow 32 + 21 \times 9 - 184 \div 8 = 198$$

After interchanging of signs :

$$\Rightarrow 32 \times 21 + 9 \div 184 - 8 = 198$$

$$\Rightarrow 32 \times 21 + 0.0489 - 8 = 198$$

$$\Rightarrow 672 + 0.0489 - 8 = 198$$

$$\Rightarrow 672.0489 - 8 = 198$$

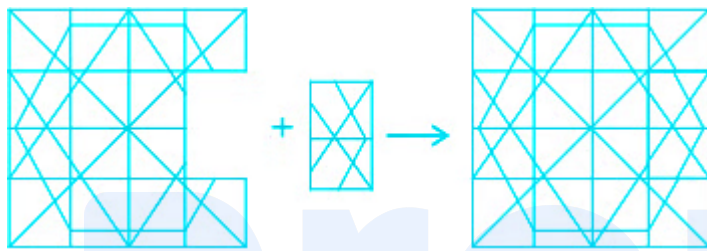
$\Rightarrow 664.0489 \neq 198$ (LHS \neq RHS)

Thus, the correct answer is "Option 1".

36. Answer: c

Explanation:

After completing the figure the pattern will be:



Hence, the correct answer is "Option 3".

37. Answer: b

Explanation:

The logic followed here is:

All Goal post are Playground.

All Playground are Stadium.

The least possible Venn diagram for the relationship above is as follows:



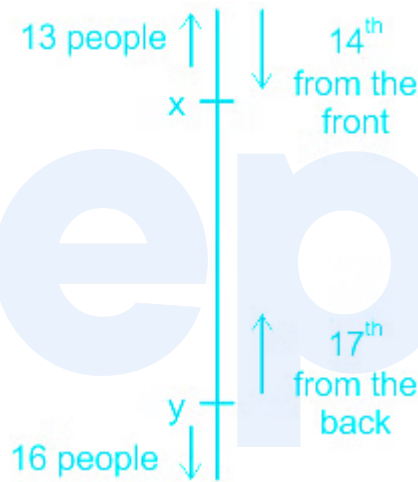
Thus, the correct answer is . "Option 2"

38. Answer: c

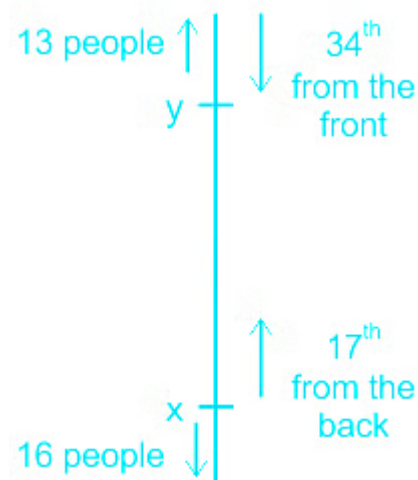
Explanation:

The logic follows here is :

X is 14 th from the front while Y is 17 th from the back, In a row of 47 persons as sown below:



After exchanging their location, Y becomes 34 th from the back is as follows :



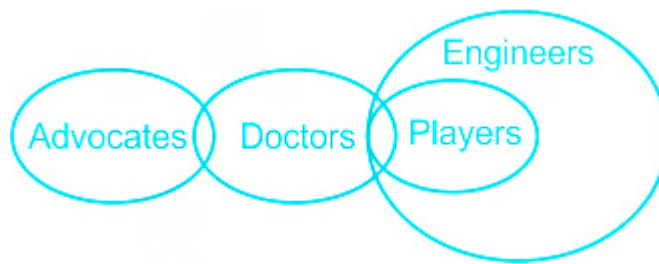
Hence, the position of X = 47 - 16 = 31

Thus, the correct answer is "31".

39. Answer: b

Explanation:

The least possible Venn diagram for the given statements is as follows:



Conclusions:

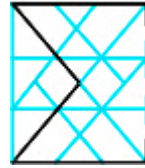
- I. Some players are doctors → True (As some doctors are players, so some players are doctors is True)
- II. Some engineers are advocates → False (No direct relation is given hence, False)
- III. All advocates are engineers → False (No direct relation is given hence, False)
- IV. Some engineers are doctors → True (As all players are engineers and some doctors are players, So some engineers are doctors is True)

Thus, Both conclusions I and IV follow .

40. Answer: b

Explanation:

On close observation we can find problem figure is embedded in option (2) as shown below.



Thus, the correct answer is "Option 2".

41. Answer: b

Explanation:

The logic followed here is :

$$168 \div 1 = 168$$

$$168 \div 2 = 84$$

$$84 \div 3 = 28$$

$$28 \div 4 = 7$$

Thus, the correct answer is "7".

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42. 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 for the code is as follows:

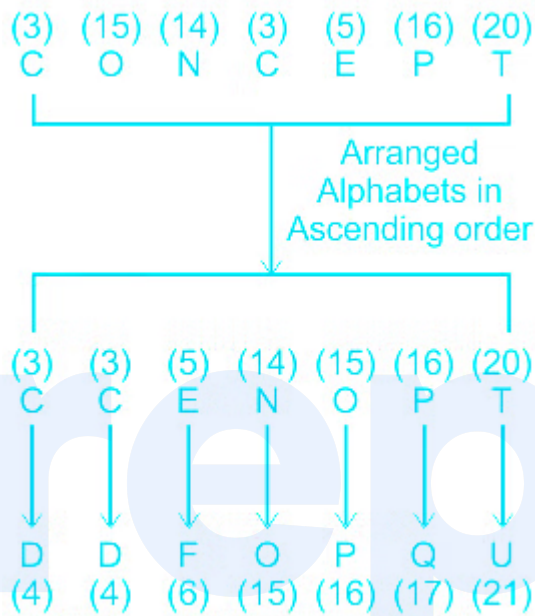
- 1) First all alphabets (letters) are arranged in alphabetical order (i.e. A to Z).

2) After arranged in alphabetical order, all letters are increased by + 1.

CONCEPT : DDFOPQU

1) CONCEPT → In Alphabetical order → CCENOPT.

2) All letters are increased by + 1.

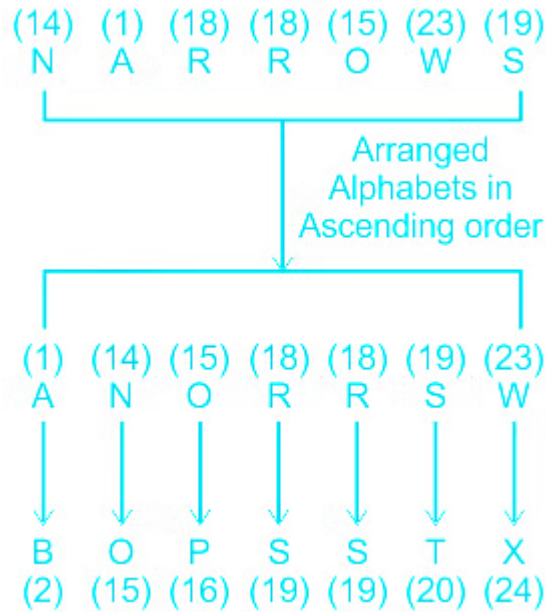


Similarly,

NARROWS : -----.

1) NARROWS → In Alphabetical order → ANORRSW.

2) All letters are increased by + 1.



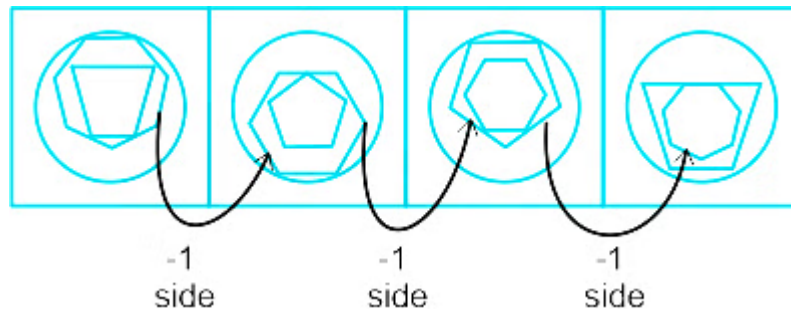
Hence, the correct answer is "BOPSSTX".

43. Answer: d

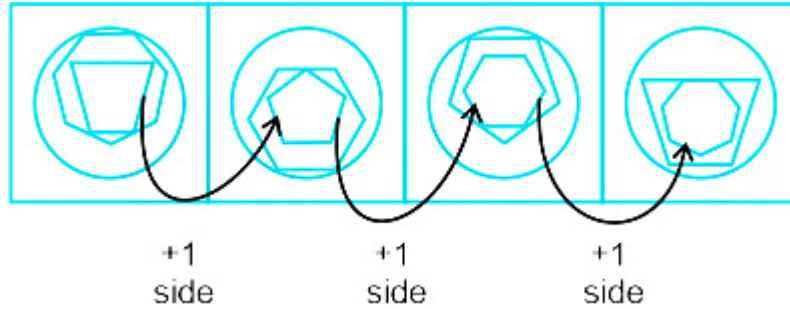
Explanation:

The logic follows here is :

- Sides of outer polygon in circle i.e. middle polygon side reduced by one.
- *Outer polygon is moving from top to bottom in each step.*



- Sides of inner polygon in circle i.e. small polygon side increased by one.
- *Inner polygon is moving from bottom to top inside outer polygon in each step.*



If we observe clearly:

Figure 1 to Figure 2 → Outer polygon is moving from top to bottom and inner polygon is moving from bottom to top in outer polygon.

Figure 2 to figure 3 → Outer polygon is moving from bottom to top and inner polygon is moving from top to bottom in outer polygon.

Figure 3 to Figure 4 → *So, here Outer polygon should move from top to bottom and inner polygon should moving from bottom to top in outer polygon.*

Thus, the correct answer is "Option 4".

44. Answer: a

Explanation:

The logic followed here is :

Letters	L	E	A	R	N	I	N	G
Code	8	2	4	6	3	7	3	9

And,

Letters	M	O	B	I	L	E
Code	5	1	0	7	8	2

Similarly,

From the above coded logic is as follows;

Letters	I	M	A	G	I	N	E
Code	7	5	4	9	7	3	2

Thus, the correct answer is "7549732".

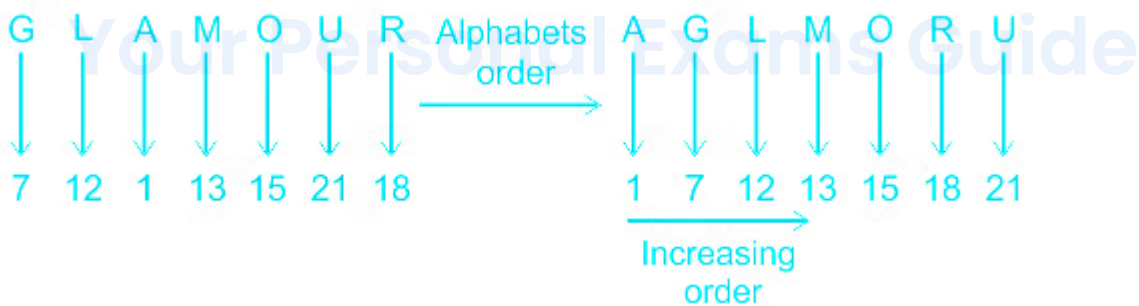
45. Answer: b

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

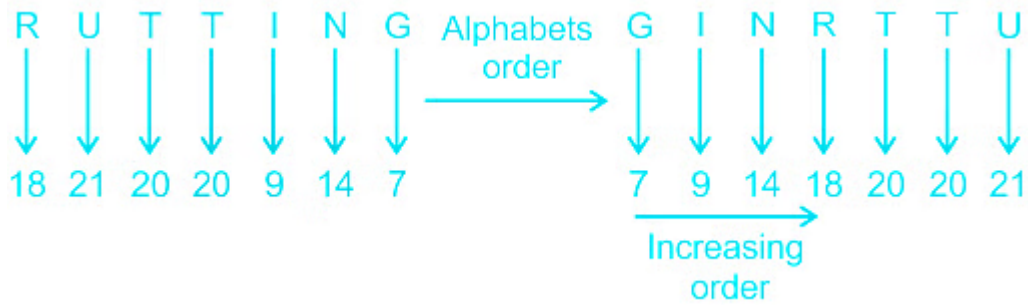
The pattern for the code is as follows,

GLAMOUR is written as AGLMORU.



Similarly,

RUTTING = ?

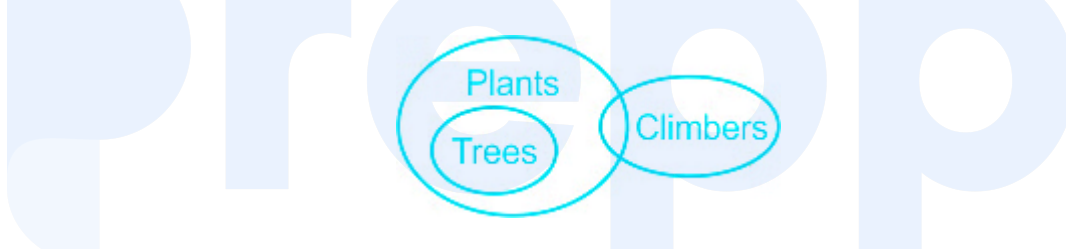


Hence, RUTTING is coded as "GINRTTU".

46. Answer: d

Explanation:

The least possible Venn diagram for the given statements is as follows:



Conclusions:

- I. Some plants are trees → True (As All trees are plants, so some plants are trees is true)
- II. Some trees are climbers → False (No direct relation is given between them, hence, false)

Thus, Only conclusion I follows.

47. Answer: a

Explanation:

The logic followed here is:

$$46 : 82 : 154$$

$$4 + 6 = 10$$

$$8 + 2 = 10$$

$$1 + 5 + 4 = 10$$

Similarly,

$$62 : 116 : 224$$

$$6 + 2 = 8$$

$$1 + 1 + 6 = 8$$

$$2 + 2 + 4 = 8$$

Thus, the correct answer is "62 : 116 : 224".

★ Alternate Method

The logic followed here is:

$$46 : 82 : 154$$

$$46 \times 2 = 92 \rightarrow 92 - 10 = 82$$

$$82 \times 2 = 164 \rightarrow 164 - 10 = 154$$

Similarly,

$$62 : 116 : 224$$

$$62 \times 2 = 124 \rightarrow 124 - 8 = 116$$

$$116 \times 2 = 232 \rightarrow 232 - 8 = 224$$

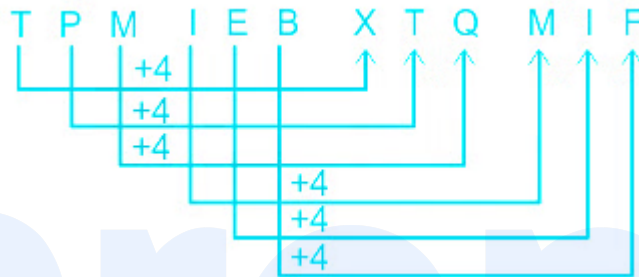
Thus, the correct answer is "62 : 116 : 224".

48. 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

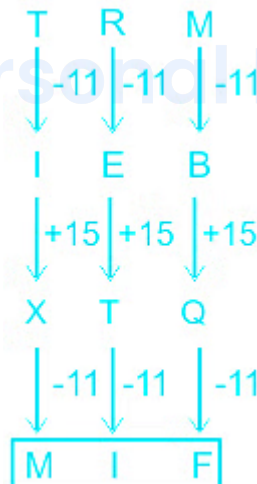
The logic followed here is:



Hence, the correct answer is "MIF".

★ Alternate Method

The logic followed here is:



Hence, the correct answer is "MIF".

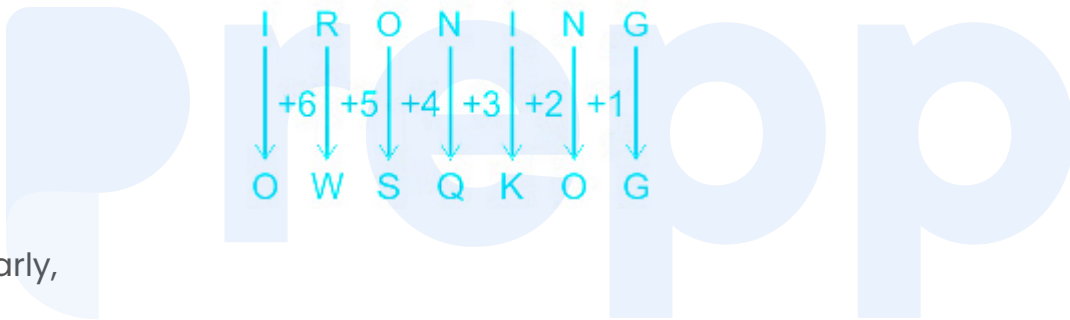
49. Answer: c

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

The Pattern followed here is :-

IRONING is written as OWSQKOG



Similarly,

SHERIFF is written as :



Hence, SHERIFF is coded as **YMIUKGF**.

50. Answer: b

Explanation:

The logic followed here is:-

Truck is driven on roads.

Similarly,

Tram is driven on "Railway tracks".

Thus, the correct answer is **"Rail"**.

★ Additional Information

A tram or trolley car is a rail vehicle that usually runs along urban roads on tracks.

51. **Answer: d**

Explanation:

Given:

If a certain sum at compound interest becomes 3 times in 4 years

Formula used:

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

Calculation:

Let the time be t

According to the question

We know that,

$$\text{Total Amount} = P(1 + r/100)^t$$

Now,

$$\Rightarrow 3P = P(1 + r/100)^4$$

$$\Rightarrow 3 = (1 + r/100)^4 \dots(1)$$

Now,

After t years the sum becomes 9 times

$$\Rightarrow 9P = P(1 + r/100)^t$$

$$\Rightarrow 9 = (1 + r/100)^t$$

$$\Rightarrow 3^2 = (1 + r/100)^t$$

Using equation (1), we get

$$\Rightarrow (1 + r/100)^8 = (1 + r/100)^t$$

$$\Rightarrow t = 8 \text{ years}$$

\therefore The required time is 8 years

52. Answer: d

Explanation:

Given:

Distance = 275 km

Time = $2\frac{1}{2}$ hours = $5/2$ hours

Formula used:

Speed = Distance/Time

Calculation:

According to the question

Speed = Distance/Time

$$\Rightarrow \text{Speed} = (275/5/2)$$

$$\Rightarrow (275 \times 2)/5$$

$$\Rightarrow 110 \text{ km/h}$$

Now,

The time taken to cover a distance of 440 km with the same speed = $(440/110)$ hours

$$\Rightarrow 4 \text{ hours}$$

\therefore The required time is 4 hours

53. Answer: b

Explanation:

Given:

The ratio of cost price of two articles = 4 : 5

SP on first articles = 10% gain

SP on second articles = 20% profit

The difference in the selling price = Rs. 480

Calculation:

Let the cost price of two articles be $40x$ and $50x$ respectively.

According to the question

SP on first article = (110% of $40x$)

$$\Rightarrow (110/100 \times 40x) = 44x$$

SP on second article = (120% of $50x$)

$$\Rightarrow (120/100 \times 50x) = 60x$$

Now,

The difference in the selling price = Rs. 480

$$\Rightarrow (60x - 44x) = 480$$

$$\Rightarrow 16x = 480$$

$$\Rightarrow x = 30$$

Now,

The total cost price of both the articles = Rs. $(40 \times 30 + 50 \times 30)$

$$\Rightarrow \text{Rs. } (1,200 + 1,500)$$

$$\Rightarrow \text{Rs. } 2,700$$

\therefore The total cost price of both the articles is Rs. 2,700

54. Answer: c

Explanation:

Given:

Principal = Rs. 17,200

Rate = 8% and 10%

The total interest received after two years = Rs. 3,008

Formula used:

$$SI = (P \times R \times T)/100$$

Calculation:

Let the amount lent on 8% be x.

Then, the amount lent on 10% be $(17,200 - x)$

So, Interest on first part = $(x \times 8 \times 2)/100$

And, Interest on second part = $[(17,200 - x) \times 10 \times 2/100]$

Now,

$$\Rightarrow (x \times 8 \times 2)/100 + [(17,200 - x) \times 10 \times 2/100] = 3,008$$

$$\Rightarrow 16x/100 + 344,000 - 20x/100 = 3,008$$

$$\Rightarrow (16x + 344,000 - 20x) = 3,008 \times 100$$

$$\Rightarrow (16x + 344,000 - 20x) = 300,800$$

$$\Rightarrow (20x - 16x) = (344,000 - 300,800)$$

$$\Rightarrow 4x = 43,200$$

$$\Rightarrow x = (43,200/4)$$

$$\Rightarrow x = \text{Rs. } 10,800$$

Now,

The money lent on 8% = $x = \text{Rs. } 10,800$

\therefore The required money is Rs. 10,800

55. Answer: d

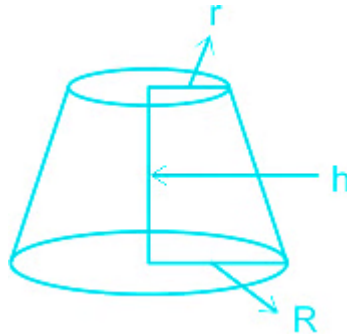
Explanation:

Given:

The radii of the circular ends of a frustum of a cone = 20 cm and 13 cm

Height = 12 cm

Formula used:



Volume of frustum shaped cone = $\frac{1}{3}\pi(R^2 + r^2 + Rr)h$

Calculation:

According to the question

Let $R = 20$ cm and $r = 13$ cm

Now,

Volume of frustum shaped cone = $\frac{1}{3}\pi(R^2 + r^2 + Rr)h$

$$\Rightarrow \left[\frac{1}{3} \times \frac{22}{7} \times (20^2 + 13^2 + 20 \times 13) \times 12 \right]$$

$$\Rightarrow \left[\frac{1}{3} \times \frac{22}{7} \times (400 + 169 + 260) \times 12 \right]$$

$$\Rightarrow \left(\frac{1}{3} \times \frac{22}{7} \times 829 \times 12 \right) \text{ cm}^3$$

$$\Rightarrow \left(\frac{22}{7} \times 829 \times 4 \right) \text{ cm}^3$$

$$\Rightarrow \left(\frac{72,952}{7} \right) \text{ cm}^3$$

$$\Rightarrow 10,421.71 \text{ cm}^3$$

Now,

The capacity of frustum in litres = $(10,421.71/1,000)$ litres

$$\Rightarrow 10.4 \text{ litres}$$

\therefore The capacity of frustum in litres is 10.4

56. Answer: b

Explanation:

Given:

The perimeter of rectangular field = 386 m

The difference between its two adjacent sides = 95 m

The side of a square field, having the same area as that of the rectangle

Formula used:

Perimeter of rectangle = $2(L + B)$

Area of rectangle = $L \times B$

Area of square = a^2

Calculation:

Let the length of rectangle be L and breadth be B respectively.

According to the question

The perimeter of rectangular field = 386 m

$$\Rightarrow 2(L + B) = 386$$

$$\Rightarrow (L + B) = 193 \dots(1)$$

The difference between its two adjacent sides = 95 m

$$\Rightarrow (L - B) = 95 \dots(2)$$

Adding equation (1) and (2), we get

$$\Rightarrow (L + B) = 193 + (L - B) = 95$$

$$\Rightarrow 2L = (193 + 95)$$

$$\Rightarrow 2L = 288$$

$$\Rightarrow L = 144 \text{ m}$$

Now, putting the value of L in equation (1), we get

$$\Rightarrow (L + B) = 193$$

$$\Rightarrow (144 + B) = 193$$

$$\Rightarrow B = (193 - 144)$$

$$\Rightarrow B = 49 \text{ m}$$

Now,

Area of square = Area of rectangle

$$\Rightarrow a^2 = L \times B$$

$$\Rightarrow a^2 = (144 \times 49) \text{ m}$$

$$\Rightarrow a^2 = 7056 \text{ m}^2$$

$$\Rightarrow a = 84 \text{ m}$$

\therefore The each side of the square is 84 m

57. Answer: d

Explanation:

Given:

The mean of $x + 1$, $x + 12$, $2x + 3$ and $3x + 5 = 21$

Formula used:

Average = sum of observations/Number of observations

Calculation:

The mean of $x + 1$, $x + 12$, $2x + 3$ and $3x + 5 = 21$

$$\text{Average} = (7x + 21)/4 = 21$$

$$\Rightarrow 7x + 21 = 84$$

$$\Rightarrow 7x = (84 - 21) = 63$$

$$\Rightarrow x = (63/7)$$

$$\Rightarrow x = 9$$

\therefore The value of x is 9

58. Answer: d

Explanation:

Given:

14 men complete a work in 18 days.

Calculation:

According to the question

14 men complete a work = (14×18) days

Then,

21 men complete the same work = $[(14 \times 18)/21]$ days

$\Rightarrow (2 \times 6)$ days

$\Rightarrow 12$ days

∴ The time required to complete the same work will be 12 days

59. Answer: b

Explanation:

Concept Used:

Follow the BODMAS rule according to the table given below:

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

Calculation:

$$\frac{2 - \left(\frac{6}{7} \text{ of } 21 + 5.25\right)}{\frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39}$$

$$\Rightarrow 2 - (6/7 \times 21 + 5.25) / 3/4 \times (15.8 - 3.4) + 5 \times 2.39$$

$$\Rightarrow 2 - (18 + 5.25) / 3/4 \times (15.8 - 3.4) + 5 \times 2.39$$

$$\Rightarrow (2 - 23.25) / 3/4 \times (15.8 - 3.4) + 5 \times 2.39$$

$$\Rightarrow -21.25 / 3/4 \times (15.8 - 3.4) + 5 \times 2.39$$

$$\Rightarrow -21.25 / 3/4 \times 12.4 + 5 \times 2.39$$

$$\Rightarrow -21.25 / (3 \times 3.1) + 5 \times 2.39$$

$$\Rightarrow -21.25 / (9.3 + 11.95)$$

$$\Rightarrow -21.25/21.25$$

$$\Rightarrow -1$$

∴ The required value is -1

60. Answer: c

Explanation:

Given:

Ramesh invested 30% more than Suresh.

Suresh invested 40% less than Arun

Investment of Arun = Rs. 8,000

Calculation:

According to the question

Investment of Arun = Rs. 8,000

Suresh invested 40% less than Arun = Rs. (60% of 8,000)

$$\Rightarrow \text{Rs. } (60/100 \times 8,000)$$

$$\Rightarrow \text{Rs. } 4,800$$

Now,

Ramesh invested 30% more than Suresh. = Rs. (130% of 4,800)

$$\Rightarrow \text{Rs. } (130/100 \times 4,800)$$

$$\Rightarrow \text{Rs. } 6,240$$

Now,

The total amount invested by all of them together = Rs. $(6,240 + 4,800 + 8,000)$

⇒ Rs. 19,040

∴ The required amount is Rs. 19,040

61. Answer: a

Explanation:

Given:

A labourer was engaged for a certain number of days = Rs. 8,500

Due to absence, he was paid = Rs. 6,050

Calculation:

According to the question

The ratio of labourer was engaged for a certain number of days to Due to absence, he was paid = $(8,500 : 6,050)$

⇒ 170 : 121

Now,

The number of days that he was absent = $(170 - 121)$

⇒ 49 days

∴ The required days is 49

62. Answer: d

Explanation:

Given:

The radius of a cylinder is decreased by 40%

The height is increased by 60% to form a new cylinder.

Concept used:

If the radius is contested then the volume of the cylinder is directly proportional to height.

If the height is contested then the volume of the cylinder is directly proportional to radius.

Formula used:

volume of the cylinder = $\pi \times (\text{radius})^2 \times \text{height}$

Calculation:

Let the radius of cylinder be r cm and height be h cm.

Then, volume of the cylinder is

$$\Rightarrow \pi \times (\text{radius})^2 \times \text{height}$$

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

Now, increment in height = 60%

$$\Rightarrow h \times (160/100)$$

$$\Rightarrow 8h/5 \text{ cm}$$

Radius after decreasing 40%

$$\Rightarrow r \times (60/100)$$

$$\Rightarrow 3r/5 \text{ cm}$$

Now, the volume of the cylinder

$$\Rightarrow \pi \times (\text{radius})^2 \times \text{height}$$

$$\Rightarrow \pi \times (3r/5)^2 \times (8h/5)$$

$$\Rightarrow \pi \times (9r^2/25) \times 8h/5$$

$$\Rightarrow (72\pi r^2 h/125) \text{ cm}^3$$

Now, the difference between both volumes

$$\Rightarrow (\pi r^2 h) - (72\pi r^2 h/125) \text{ cm}^3$$

$$\Rightarrow (125\pi r^2 h - 72\pi r^2 h)/125 \text{ cm}^3$$

$$\Rightarrow 53\pi r^2 h/125 \text{ cm}^3$$

Now,

The volume will be decreased by

$$\Rightarrow [(53\pi r^2 h/125)/\pi r^2 h \times 100]$$

$$\Rightarrow (53/125 \times 100)$$

$$\Rightarrow 212/5$$

$$\Rightarrow 42.4\%$$

∴ The volume will be decreased by 42.4%

★ **Shortcut Trick**

Let assume the radius of the cylinder is 100, and the height is 100

	Initial	final	
radius	100	60	(after 40% decrease)
radius	100	60	(after 40% decrease)
height	100	160	(after increase 60%)

Multiply all 1000000 576000

\Rightarrow decrease percentage in final volume = $\{(1000000 - 576000)/1000000\} \times 100$

\Rightarrow 42.4%

\therefore The volume will be decreased by 42.4%

63. Answer: a

Explanation:

Given:

The ratio of three numbers = 2 : 3 : 4.

The sum of their squares = 2349

Formula used:

Average = sum of observations/Number of observations

Calculation:

Let the three numbers be m, n and p respectively.

According to the question

$$m : n : p = 2 : 3 : 4$$

$$\text{And, } m^2 + n^2 + p^2 = 2349$$

$$\text{Let } m : n : p = k$$

$$\text{Then, } m = 2k, n = 3k \text{ and } p = 4k$$

Now,

$$\Rightarrow m^2 + n^2 + p^2 = 2349$$

$$\Rightarrow (2k)^2 + (3k)^2 + (4k)^2 = 2349$$

$$\Rightarrow 4k^2 + 9k^2 + 16k^2 = 2349$$

$$\Rightarrow 29k^2 = 2349$$

$$\Rightarrow k^2 = (2349/29)$$

$$\Rightarrow k^2 = 81$$

$$\Rightarrow k = 9$$

Now,

$$m = 2k = (2 \times 9) = 18$$

$$n = 3k = (3 \times 9) = 27$$

$$p = 4k = (4 \times 9) = 36$$

$$\text{Average of these three numbers} = (18 + 27 + 36)/3$$

$$\Rightarrow 81/3$$

$$\Rightarrow 27$$

\therefore The average of these three numbers is 27

64. Answer: d

Explanation:

Calculation:

Total number of students = 250

Total number of students who scored less than 70% marks = $(10 + 30 + 80) = 120$

The percentage of students who scored less than 70% marks = $(120/250 \times 100)$

$$\Rightarrow (12 \times 4) = 48\%$$

Now,

$$\text{Total number of students who scored 80\% and above} = (40 + 25) = 65$$

$$\text{The percentage of students who scored 80\% and above} = (65/250 \times 100)$$

$$\Rightarrow (13 \times 2) = 26\%$$

Now,

The difference between the percentage of students who scored less than 70% marks and the percentage of students who scored 80% and above = $(48 - 26)\%$

$$\Rightarrow 22\%$$

\therefore The required difference is 22%

65. Answer: c

Explanation:

Given:

70 males and 100 females are working in a firm

The ratio of males and females = 3 : 4

Calculation:

Let the number of males and females be $3x$ and $4x$ respectively.

According to the question

$$\Rightarrow (70 + x)/(100 + x) = 3/4$$

$$\Rightarrow 280 + 4x = 300 + 3x$$

$$\Rightarrow (4x - 3x) = (300 - 280)$$

$$\Rightarrow x = 20$$

Now,

The total number of people working in the firm after recruitment = $(70 + x + 100 + x)$

$$\Rightarrow (70 + 20 + 100 + 20)$$

$$\Rightarrow 210$$

\therefore The required number of people is 210

66. Answer: c

Explanation:

Given:

A price of reduction of sugar = 15%

Aruna Rai buy 6 kg more = Rs. 272

Calculation:

According to the question

$$\text{A price of reduction of sugar} = 15\% = (15/100) = 3/20$$

Now,

$$\text{Cost of 6 kg sugar} = \text{Rs. } 272$$

Then,

$$\text{Cost of 1 kg sugar} = \text{Rs. } (272/6) \text{ kg}$$

Now,

$$\text{The reduced price of sugar} = \text{Rs. } (272/6 \times 3/20)$$

$$\Rightarrow \text{Rs. } (136/20)$$

$$\Rightarrow \text{Rs. } 6.80$$

\therefore The reduced price of sugar per kg is Rs. 6.80

67. Answer: d

Explanation:

Given:

The speed of A is 20 km/h more than the speed of B.

The time that A takes to travel a distance of 300 km is 2 hours less than the time that B takes to travel a distance of 240 km

Formula used:

$$\text{Speed} = \text{Distance} \times \text{Time}$$

Calculation:

Let the speed of B is x km/hr.

So, The speed of A will be $(x + 20)$ km/h.

According to the question

$$\Rightarrow (240/x) - [300/(x + 20)] = 2$$

$$\Rightarrow [240(x + 20) - 300x]/x(x + 20) = 2$$

$$\Rightarrow (240x + 4800 - 300x)/(x^2 + 20x) = 2$$

$$\Rightarrow 2x^2 + 40x = -60x + 4800$$

$$\Rightarrow 2x^2 + 100x - 4800 = 0$$

$$\Rightarrow 2x^2 + 160x - 60x - 4800 = 0$$

$$\Rightarrow 2x(x + 80) - 60(x + 80) = 0$$

$$\Rightarrow (2x - 60)(x + 80) = 0$$

$$\Rightarrow x = 30, -80$$

Now,

The speed of A is $(x + 20)$ km/h = $(30 + 20)$ km/h

$$\Rightarrow 50 \text{ km/h}$$

\therefore The required speed of A is 50 km/h

68. Answer: b

Explanation:

Given:

A is 120% of B

B is 65% of C

The sum of A, B and C = $121\frac{1}{2} = 243/2$

Calculation:

According to the question

Let the number of C be $100x$

Then,

B is 65% of C = (65% of $100x$)

$$\Rightarrow (65/100 \times 100x)$$

$$\Rightarrow 65x$$

Now,

$$A \text{ is } 120\% \text{ of } B = (120\% \text{ of } 65x)$$

$$\Rightarrow (120/100 \times 65x)$$

$$\Rightarrow 78x$$

Now,

$$\text{The sum of } A, B \text{ and } C = 243/2$$

$$\Rightarrow (78x + 65x + 100x) = 243/2$$

$$\Rightarrow 243x = 243/2$$

$$\Rightarrow x = 1/2$$

Now,

$$\text{The value of } A = (78 \times 1/2) = 39$$

$$\text{The value of } B = (65 \times 1/2) = 65/2$$

$$\text{The value of } C = (100 \times 1/2) = 50$$

Now,

$$\text{The value of } 2C - 4B + A = (2 \times 50 - 4 \times 65/2 + 39)$$

$$\Rightarrow (100 - 130 + 39)$$

$$\Rightarrow (139 - 130)$$

$$\Rightarrow 9$$

\therefore The required value is 9

69. Answer: c

Explanation:

Given:

The ratio of income = 2 : 5

The ratio of expenses = 4 : 7

Income in the second year = Rs. 75,000

Expenses in the first year = Rs. 20,000

Calculation:

Let the income in the first year be Rs. x

And, The expenses in the second year be Rs. y

According to the question

$$\Rightarrow x/75,000 = 2/5$$

$$\Rightarrow 5x = 150,000$$

$$\Rightarrow x = 30,000$$

$$\text{And, } 20,000/y = 4/7$$

$$\Rightarrow 4y = 140,000$$

$$\Rightarrow y = 35,000$$

Now,

The total saving for two years together = Rs. $(30,000 - 20,000) + (75,000 - 35,000)$

$$\Rightarrow \text{Rs. } (10,000 + 40,000)$$

$$\Rightarrow \text{Rs. } 50,000$$

\therefore The total saving for two years together is Rs. 50,000

70. Answer: b

Explanation:

Given:

The average of eight consecutive numbers = 10.5

Formula used:

Average = sum of observations/Number of observations

Calculation:

Let eight consecutive numbers be $x, x + 1, x + 2, x + 3, x + 4, x + 5, x + 6, x + 7$ respectively.

Now,

Average of these eight numbers = $(8x + 28)/8$

According to the question

$$\Rightarrow (8x + 28)/8 = 10.5$$

$$\Rightarrow (8x + 28) = 84$$

$$\Rightarrow 8x = 84 - 28$$

$$\Rightarrow 8x = 56$$

$$\Rightarrow x = (56/8)$$

$$\Rightarrow x = 7$$

Now,

The largest number = $(x + 7) = (7 + 7)$

$$\Rightarrow 14$$

∴ The largest number is 14

71. Answer: c

Explanation:

Given:

By selling 25 articles there is a profit equal to SP of 5 articles

Formula used:

$$\text{Profit} = \text{SP} - \text{CP}$$

$$\text{Profit\%} = \frac{\text{Profit}}{\text{CP}} \times 100$$

Calculation:

Let the selling price be x

25 articles sold at = Rs. $25x$

Now,

The profit which is equal to the selling price of 5 articles = $5x$

$$\text{CP} = \text{SP} - \text{Profit}$$

$$\Rightarrow (25x - 5x) = 20x$$

Now,

$$\text{Profit\%} = \left(\frac{5x}{20x} \times 100\right)$$

$$\Rightarrow \left(\frac{1}{4} \times 100\right)\%$$

$$\Rightarrow 25\%$$

∴ The required profit percent is 25%

★ Shortcut Trick

$$\text{Here, } 25 (\text{SP}) - 25 (\text{CP}) = 5 (\text{SP})$$

$$\Rightarrow 20 (\text{SP}) = 25 (\text{CP})$$

$$\Rightarrow \text{SP/CP} = 25/20 = 5/4$$

$$\Rightarrow \text{SP} = 5, \text{CP} = 4$$

$$\Rightarrow \text{Profit} = 5 - 4 = 1$$

$$\Rightarrow \text{Profit\%} = (1/4) \times 100 = 25$$

∴ The required profit is 25%

72. **Answer: a**

Explanation:

Given:

Width of the path around a square field = 4.5 m

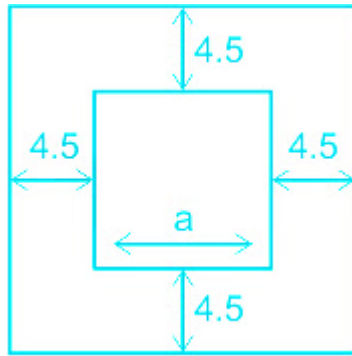
Area of the path = 252 m²

Formula used:

Area of square = a²

Where, a = side of the square

Calculation:



Let the side of the square field be a

The side of the square field with path = $(a + 4.5 + 4.5) = a + 9$

Area of square field = a^2 ... (1)

Area of the square field with path = $(a + 9)^2$... (2)

Now,

Area of path = Area of the square field with path - Area of square field

$$\Rightarrow 252 = (a + 9)^2 - a^2$$

$$\Rightarrow 252 = a^2 + 81 + 18a - a^2$$

$$\Rightarrow 252 = 81 + 18a$$

$$\Rightarrow 18a = 252 - 81$$

$$\Rightarrow 18a = 171$$

$$\Rightarrow a = 9.5 \text{ m}$$

\therefore The length of the side of the field is 9.5 m

73. Answer: d

Explanation:

Given:

A can do a piece of work = 60 days

Number of days A works = 15 days

B alone finish the remaining work = 30 days

Formula used:

Work = Efficiency \times Time

Calculation:

Time taken by A to complete the work = $(60/15) = 4$ days

Number of days B works = $(1 - 1/4) = 3/4$ days

Time taken by B to complete the work = $(4/3 \times 30) = 40$ days

Now,

LCM of 60 and 40 is 120

Efficiency of A = $(120/60) = 2$ units/day

Efficiency of B = $(120/40) = 3$ units/day

Time taken by A and B together to complete a work = $[120/(2 + 3)]$

$\Rightarrow 120/5$ days

$\Rightarrow 24$ days

\therefore The required days is 24 days

★ Alternate Method

Total work = 60 days

Let efficiency of B be x

Then,

According to the question

$$\Rightarrow 15 + 30x = 60$$

$$\Rightarrow 30x = 60 - 15$$

$$\Rightarrow 30x = 45$$

$$\Rightarrow x = \frac{3}{2} = 1.5$$

Now,

A and B together can complete the whole work = $[60/(1 + 1.5)]$ days

$$\Rightarrow 60/2.5 \text{ days}$$

$$\Rightarrow [(60 \times 10)/25]$$

$$\Rightarrow (12 \times 2) \text{ days}$$

$$\Rightarrow 24 \text{ days}$$

74. Answer: b

Explanation:

Calculation:

Total number of students who scored marks less than 60% = $(10 + 30) = 40$

Total number of students who scored marks 80% and above = $(40 + 25) = 65$

The ratio of the number of students who scored marks less than 60% to the number of students who scored marks 80% and above = $(40 : 65)$

$$\Rightarrow 8 : 13$$

\therefore The required ratio is 8 : 13

75. Answer: a

Explanation:

Calculation:

Total number of students who scored less than 60% marks = $(10 + 30) = 40$

Total number of students who scored 70% and above marks = $(65 + 40 + 25) = 130$

The percentage of number of students who scored less than 60% marks to the number of students who scored 70% and above = $[(130 - 40)/130 \times 100]$

$\Rightarrow (90/130 \times 100)$

$\Rightarrow (9000/130)$

$\Rightarrow 69.23\%$

\therefore The required percentage is 69.23%

76. Answer: c

Explanation:

The correct answer is Hawa Mahal.

★ Key Points

- The **Hawa Mahal** was built in **1799** by the grandson of the original founder of Jaipur , **Sawal Jai Singh**.
- The renowned '**Palace Of The Winds**', or **Hawa Mahal** , is one of the prominent tourist attractions in Jaipur city.
- Located in the heart of Jaipur, this beautiful five-storey palace was constructed in 1799 by Maharaja Sawai Pratap Singh, who belonged to the **Kachwaha Rajput dynasty** .

- The Hawa Mahal is a grand palace situated in Jaipur.
- The palace is made out of red and pink sandstone and is five floors in height and has a pyramidal shape to it.
- The main highlight of Hawa Mahal is its pyramid shape and its **953 windows or 'Jharokhas'** which are decorated with intricate designs.
- The main intention behind the construction of the Mahal was to facilitate the royal women and provide them with a view of everyday life through the windows, as they never appeared in public.

★ Additional Information

- **Umaid Bhawan:**
 - The Umaid Bhawan Palace is in Jodhpur city, Rajasthan.
 - Umaid Bhawan Palace is the **Last Royal Palace** which was built in India before independence.
 - It is one of the Largest private residences in the World.
 - Palace was built with the purpose to employ the farmers of Jodhpur in Rajasthan of India.
 - It was built under the reign of **Maharaja Umaid Singh**.
- **Sajjangarh Palace:**
 - **Sajjan Garh Palace or The Monsoon palace** is a hilltop residence in the city of Udaipur, Rajasthan in India.
 - It is named Sajjangarh after Maharana Sajjan Singh (1874-1884) of the Mewar Dynasty, which it was built for in 1884.
- **Lalgarh Palace:**
 - It is located in the city of Bikaner.
 - Lalgarh Palace was built by **Maharaja Ganga Singh in the year 1902** in memory of his father Maharaja Lal Singh Ji.

77. Answer: d

Explanation:

The correct answer is Hindos.

★ Key Points

- The river Indus was called Hindos by the Iranians and the Greeks about 2500 years ago.
- Two of the words we often use for our country are India and Bharat. The word India comes from the Indus, called Sindhu in Sanskrit.
- The Iranians and the Greeks were familiar with the Indus, called it the **Hindos or the Indos** , and the land to the east of the river was called India.
- The name Bharata was used for a group of people who lived in the northwest, and who are mentioned in the Rigveda, the earliest composition in Sanskrit.

78. Answer: d

Explanation:

The correct answer is Corals.

★ Key Points

- Corals fall under Phylum Cnidarian of the animal kingdom.
- Nearly 99 percent of cnidarians are marine species. This phylum includes diverse animals like jellyfish, sea anemones, corals, and Hydra.
- Their general characteristics are as follows-
 - Cnidarians have two distinct morphological body plans known as polyp and medusa.
 - They are diploblastic and exhibit tissue grade of organization.
 - The body wall is composed of an outer layer called the epidermis, an inner layer called the gastrodermis and a gelatinous mesoglea is between the outer and inner epidermis. They have an incomplete digestive system with only one opening .
 - Cnidarians are commonly unisexual but some are bisexual. Fertilization is external.
 - Asexual reproduction takes place by budding, fission, and fragmentation and they have a remarkable power of regeneration.

★ Additional Information

- Living organisms are classified into five kingdoms:
 - Kingdom Monera.
 - Kingdom Protista.
 - Kingdom Fungi.
 - Kingdom Plante.
 - Kingdom Animalia.
- Further classification is done by the following scheme: Kingdom, Phylum (for animals) / Division (for plants), Class, Order, Family, Genus, Species.

79. Answer: d

Explanation:

The correct answer is **RK Shanmukham Chetty**.

- **RK Shanmukham Chetty** was the finance minister was India's delegate to the World Monetary Conference at Bretton Woods in 1944.
- He was an Indian lawyer, economist and politician who served as independent India's first finance minister from 1947 to 1948.

★ Key Points

- **Bretton Woods Agreement:**
 - It was an agreement negotiated in **July 1944** by **730 delegates** from **44 Nations at the United Monetary & Financial conference** held in **Bretton Woods, New Hampshire** thus getting its name '**Bretton Woods Agreement**' .
 - Under this system, Gold was the basis for the US Dollar and the currencies of other Nations were pegged to the US Dollar's value.
 - The agreement ceased to operate in 1970 when US President Richard M Nixon denounced that the US would no longer exchange gold monetary value for US Currency.
 - The principal goals of institutionalizing an efficient foreign exchange system, prevention of arbitrary devaluation of currencies, and promotion of International Economic Growth were central focus which led to the creation of 2 important organizations:

- The International Monetary Fund(IMF).
- The World Bank.
- Post Bretton Wood agreement dissolution in the 1970s, the IMF & World Bank have still remained functional and pillars for the exchange of international currencies.
- British Economist John Maynard Keynes and American Chief International Economist of the US Treasury Department Harry Dexter White were the designers of the Bretton Wood System which envisaged to establish a global central bank to ensure modest lending fund and a greater role for the US Dollar.
- IMF monitors the exchange rates and identifies those Nations which require monetary support to balance their deficit financing.

80. Answer: d

Explanation:

The correct answer is My Truth.

★ Key Points

- **Indira Gandhi is the author of the book "My Truth".**
- "My Truth" depicts the unexplored aspects of Indira Gandhi's life.
- Indira Gandhi was the **first female Prime Minister of India, serving for three consecutive terms (1966-77)** and a fourth term from 1980 until she was assassinated in 1984.
- She was the daughter of Jawaharlal Nehru.

★ Additional Information

- **Important events in the tenure of Indira Gandhi:**
 - 1971 Indo-Pak war, part of Bangladesh Liberation war.
 - 1975 National Emergency was imposed by her.
 - Operation Blue Star was a military operation that was ordered by Indira Gandhi, the then Prime Minister, to remove Sikh militants who were

amassing weapons in the Harmandir Sahib Complex (Golden Temple) in Amritsar.

81. Answer: b

Explanation:

The correct answer is High tides occur when the moon is in its first and last quarter.

★ Key Points

- Tides are the rise and fall of sea levels caused by the combined effects of the gravitational forces exerted by the Moon and the Sun, and the rotation of the Earth.
- There are two types of tides namely, spring tides and neap tides depending upon the relative positions of the sun, the earth, and the moon.
- **Spring tides :**
 - When the sun, the moon, and the earth are in a straight line, the height of the tide will be higher.
 - These are called spring tides and they occur twice a month, one on the full moon period and another during the new moon period.
- **Neap tides :**
 - Normally, there is a seven-day interval between the spring tides and neap tides.
 - At this time the sun and moon are at right angles to each other and the forces of the sun and moon tend to counteract one another.
 - The Moon's attraction, though more than twice as strong as the sun's, is diminished by the counteracting force of the sun's gravitational pull.
 - Like spring tides, these tides also occur twice a month.

82. Answer: b

Explanation:

The correct answer is Stone tools.

★ Key Points

- **Microliths** are **stone tools** that are of length from 1cm to 5 cm, these are shaped like blades and are made of stones such as - chert, chalcedony, agate, etc.
- These tools are really small and sharp and have been found in different kinds of shapes such as triangles, crescents, trapezes, rhombus, etc.

★ Additional Information

- Stone Age is divided into three periods, namely-
 - Palaeolithic or Old Stone Age.
 - Mesolithic or Middle Stone Age.
 - Neolithic or New Stone Age.
- The word lithic is derived from the Greek lithos, meaning stone. Palaeolithic means Old Stone Age, Mesolithic means Middle Stone Age, and Neolithic means New Stone Age.
- **Mesolithic Age:**
 - Mesolithic Age was a much shorter period than the Palaeolithic, having lasted about ten thousand years in India.
 - The technological hallmark of this period is tiny stone tools or microliths.
 - In addition, the Mesolithic people also used non-microlithic tools made of flakes and blades.

83. Answer: c

Explanation:

The correct answer is Carbohydrates.

★ Key Points

- The carbohydrates:

- These are broken down from the foods we eat and are converted to a type of **sugar called glucose** .
- Glucose is the main source of fuel for our cells.
- When the body doesn't need to use glucose for energy, it is stored in the form of Glycogen.
- The two major sites of glycogen storage are the liver and skeletal muscle.

★ Additional Information

- **A protein:**
 - A protein molecule is very large compared with molecules of sugar or salt and consists of many amino acids joined together to form long chains, much as beads are arranged on a string.
 - There are about 20 different amino acids that occur naturally in proteins.
 - Proteins of similar functions have similar amino acid composition and sequence.
- **Fats:**
 - Fats and oils are esters of glycerol and three fatty acids.
 - They are important in the diet as energy sources and as sources of essential fatty acids and fat-soluble vitamins, which tend to associate with fats.
 - They also contribute satiety, flavour, and palatability to the diet.

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84. Answer: d

Explanation:

The correct answer is Kuchipudi.

★ Key Points

- **Kuchipudi:**
 - It is a traditional Indian classical dance form that originated from Andhra Pradesh.
 - It is an expressive dance form that combines dance, music and drama.
 - It requires extensive footwork.

- It is one of the major forms of Indian classical dance.
- It originated in the Indian state of **Andhra Pradesh, a village called Kuchipudi.**
- It is a dance-drama performance that has its roots in the ancient Hindu Sanskrit text of Natya Shastra.

★ Additional Information

- **Bharatnatyam :**
 - It is the classical dance of Tamil Nadu.
 - The classical dance form originated from the Natya Shastra.
- **Kathakali:**
 - It is a classical Indian dance form which is a story play genre of art is the folk dance form of Kerala.
 - It is a combination of 5 forms of fine art which are -
 - Natyam (expressions).
 - Nritham (dance).
 - Nrithyam (enactment).
 - Sangeetam (music).
 - Vadya (instruments)

85. Answer: b

Explanation:

The correct answer is The presence of a special tissue is found in these for the flow of water and other substances from one part of the plant body to another.

★ Key Points

- Bryophytes are often referred to as the amphibians of the plant kingdom.
- Bryophytes are small, non-vascular plants.
- The reproduction of Bryophytes is via spores .
- Their body is generally differentiated by taking the form of stem and leaf-like structures.

- Bryophytes are live in the soil, even though they need water for sexual reproduction this is the reason why the Bryophytes are often referred to as the amphibians of the plant kingdom.
 - Bryophytes are generally classified into three coordinate phyla namely the liverworts, hornworts, and mosses.
 - Moss (Funaria) and Marchantia are examples of bryophytes.
-

86. Answer: b

Explanation:

The correct answer is Neha Pandit.

★ Key Points

- **Neha Pandit**, a badminton player has NEVER won an Arjuna Award.

★ Additional Information

- **Arjuna Awards:**
 - Arjuna Awards were instituted to recognize outstanding achievements in National sports.
 - This award is given to such a sportsperson who achieves extraordinary positions during that year and who has been giving extraordinary performance during the past three years.
 - **Instituted: 1961.**
 - Awarded by the Government of India.
 - The prize carries a bronze statuette of Arjuna, a scroll of honor, and Rs. 15 Lakh.
 - It is India's **second-highest sporting award** after Major Dhyan Chand Khel Ratna Award.
-

87. Answer: b

Explanation:

The correct answer is Mahim Verma.

★ Key Points

- **R.M. Lodha Committee** –
 - It was constituted by the Supreme Court to bring transparency in cricket administration.
 - There is a three-member committee constituted on the directions of the Supreme Court.
 - It makes recommendations on the issue of reforms in the BCCI and Indian cricket administration.

★ Additional Information

- **Lodha Committee:**
 - The Lodha Committee was appointed by the Supreme Court of India on 22 January 2015.
 - It is appointed to analyze and recommend implementable actions for improving the BCCI.
 - The SC has also increased the number of selectors from three to five, observing that a broad-based selection committee was required to tap the prodigious talent pool spread across the country.
 - A "one vote per state" policy to make BCCI more transparent in its dealings.

88. Answer: c

Explanation:

The correct answer is 34.

★ Key Points

- As per a report of the Ministry of Statistics and Programme Implementation (Government of India), India recorded an Infant Mortality Rate (IMR) of **34 to 1000** live births in the year 2016.
- **The infant mortality rate (IMR)** is the number of deaths per 1,000 live births of children under one year of age.
- It indicates various aspects about the following:
 - The state of primary health care.
 - Whether children, irrespective of class or income levels, caste, religion, etc. get access to infant child care.
 - Overall development of health care services for the wholesome development of children and mothers .
- Infant mortality in India:
 - 204 during 1911-15.
 - 41 in the year 2012.
- Madhya Pradesh-IMR of 56, & Kerala- as low as 12 per 1000 live births during the year 2012 Kerala, Maharashtra, Punjab, Tamil Nadu, West Bengal, Andhra Pradesh, Haryana, Karnataka, Gujarat, Himachal Pradesh, and Jharkhand have achieved IMR below the national average of 42.
- Odisha, Madhya Pradesh, Uttar Pradesh, Assam, and Rajasthan-IMR greater than 42 (May 2015 data).

89. Answer: c

Explanation:

The correct answer is Tamil Nadu.

★ Key Points

- **The 26 December 2004** tsunami significantly affected the coastal regions of southern peninsular India.
- The tsunami of 2004 was the largest ever recorded in the Indian Ocean, triggered by the 3rd largest earthquake in 100 years measuring 9.2 moment magnitude.

- The epicentre of the earthquake was off Banda Aceh on the Indian Ocean coast of the island of Sumatra in Indonesia, centred at 3.316°N, 95.854°E.
- Giant waves swallowed many, with Cuddalore and Nagapattinam districts bearing the brunt, even as nearly 7,000 people were killed in **Tamil Nadu** .

90. Answer: b

Explanation:

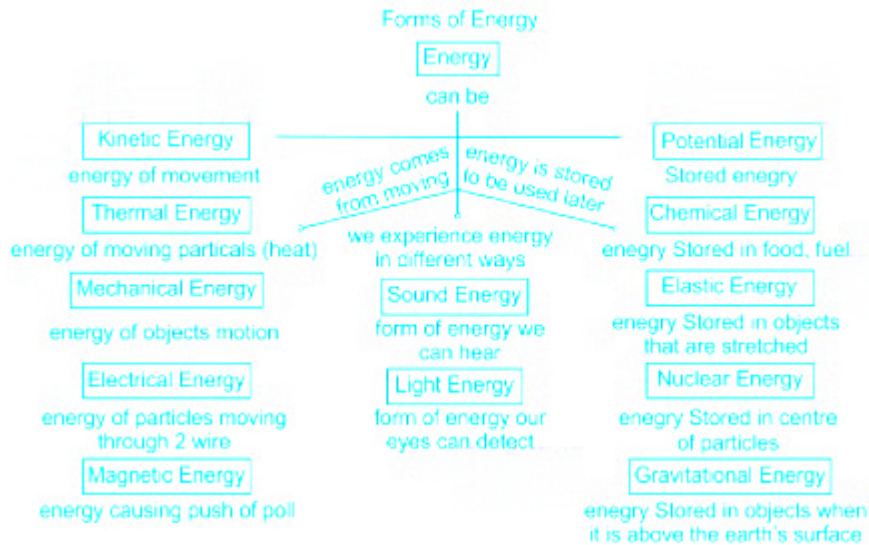
The correct answer is Kinetic.

★ Key Points

- Mechanical energy is a combination of Kinetic energy and Potential energy.
- Mechanical energy is defined as the sum total of kinetic energy and potential energy in an object that is utilized to do work.
- Mechanical energy is a form of energy that is related to the position and motion of an object.
- The sum of potential energy and kinetic energy gives the mechanical energy which is the total energy that is associated with the position and motion of the object:
 - i.e., $M.E = K.E + \text{potential energy}$.
 - The energy of an object due to its motion is called kinetic energy.
 - The energy of an object due to its position is the potential energy.

★ Additional Information

- The following fig shows a different form of energy:



91. Answer: a

Explanation:

The correct answer is Football.

★ **Key Points**

- **The Indian Super League (ISL)** is a men's professional football league in India. Unlike other football leagues from around the world, the ISL is one of the few leagues to not use the promotion and relegation system but instead a franchise system along the lines of the Twenty20 cricket league.
- **The Indian Super League (ISL) is India's unrivalled football championship which kicked off on October 12, 2014.**
- The inaugural winners of the league were ATK, while Chennaiyin FC was the winner of the second season.
- The third edition of the Hero ISL saw ATK reclaim the trophy, winning their second in three years, while the fourth season saw Chennaiyin win back the trophy again.
- Bengaluru FC won the title in the 2018–19 season.
- The Champions of the football Indian Super League 2019–20 is Atlético de Kolkata(ATK).

92. Answer: b

Explanation:

The correct answer is 26.

★ Key Points

- **Article 26** of the Indian constitution is related to ' **freedom to manage religious affairs** ' .
- Article 26 is available to only Citizens of India and not to aliens.
- In the Indian constitution, the right to freedom of religion is described from **Article 25 to Article 28**.
- Article 26 is a fundamental right in the Indian constitution.
- Article 26 allows every religious group to establish and maintain institutions for religious and charitable purposes.

★ Additional Information

- **Article 21:**
 - It is one of the prime Articles comprising Part III of the Constitution of India dealing with fundamental rights.
 - Article 21 is the protection of life and personal liberty.
 - No person shall be deprived of his life or personal liberty except according to the procedure established by law.
 - It guarantees life and personal liberty to all persons irrespective of caste or gender.
 - It guarantees the right of persons to live with human dignity.
 - All the aspects of life go to make a person's life meaningful, complete, and worth living.
- **Article 51:**
- Article 51 of the Indian constitution states that-
- For the Promotion of international peace and security, The State shall endeavour to:
 - Promote international peace and security.

- Maintain just and honourable relations between nations.
 - Foster respect for international law and treaty obligations in the dealings of organized people with one another, and encourage settlement of international disputes by arbitration.
 - **Article 56:**
 - It comprises the term of office of the President.
-

93. Answer: b

Explanation:

The correct answer is Opaque.

★ Key Points

- **Opaque objects:**
 - These are the objects through which we cannot see at all.
 - Examples of opaque objects are stone, **wood**, books, cardboard, etc.
 - Opaque objects do not allow light to pass through them.

★ Additional Information

- **Transparent objects:**
 - These are the objects through which we can see clearly.
 - Examples of transparent objects are glass, air, pure water, etc.
 - Transparent objects allow light to pass through them.
 - **Translucent objects:**
 - These are the objects through which we can see, but not very clearly.
 - Examples of translucent objects are oil paper, thin plastic sheets, etc.
 - Translucent objects allow a part of incident light to pass through them.
-

94. Answer: c

Explanation:

The correct answer is in **Part 2**.

★ Key Points

- **Part II of the Constitution of India which includes Articles 5–11 deals with the Citizenship of India.**
- The articles mentioned in Part II are listed below:
 - **Article 5** – Citizenship at the commencement of the Constitution.
 - **Article 6** – Rights of citizenship of the persons who have migrated from Pakistan to India.
 - **Article 7** – Rights of citizenship of certain migrants to Pakistan.
 - **Article 8** – Rights of citizenship of certain persons of Indian origin resident outside India.
 - **Article 9** – Persons acquiring citizenship of a foreign State voluntarily.
 - **Article 10** – Continuance of the rights of citizenship.
 - **Article 11** – Regulation of citizenship by the Parliament through law.

★ Additional Information

- **Part-1** of the Constitution consists of the Union and its territory.
- **Part-2** of the Constitution consists of Citizenship.
- **Part-3** of the Constitution consists of Fundamental Rights.
- **Part-4** of the Constitution consists of Directive Principles.
- **Part-4A** of the Constitution consists of Fundamental Duties.
- **Part-5** of the Constitution consists of "The Union".
- **Part-6** of the Constitution consists of "The States".
- **Part-7** was repealed by the Constitution (7th Amendment) Act, 1956.
- **Part-8** of the Constitution consists of "The Union Territories".

95. **Answer: b**

Explanation:

The correct answer **26th November**.

★ Key Points

- It is known as **Samvidhan Diwas** also known as **National Law Day**, is celebrated in India on **26 November** every year to commemorate the adoption of the constitution of India .
- On **26 November 1949** , the Constituent Assembly of India adopted the constitution of India, and it came into effect on 26 January 1950.
- The Government of India declared 26 November as Constitution Day on 19 November 2015 by a gazette notification.
- The prime minister of India Narendra Modi made the declaration on **11 October 2015** while laying the foundation stone of the **B.R. Ambedkar's Statue of Equality memorial in Mumbai**.
- The year of **2015** was the **125th birth anniversary of Ambedkar** , who has chaired the drafting committee of the Constituent Assembly and played a pivoted role in the drafting of the constitution.
- Previously this day was celebrated as **Law Day**. **26 November** was chosen to spread the importance of the constitution and to spread thoughts and ideas of Ambedkar.

96. Answer: d

Explanation:

The correct answer is Nirmala.

★ Key Points

- **Soz-e-Watan** was his first collection of five short stories in the book. **Godaan, Karmabhoomi, Gaban, Mansarovar, Nirmala** are some of his Novels.
- His real name was **Dhanpat Rai Shrivastav**.
- He is referred to as '**Upanyas Samrat**'.

★ Additional Information

- **Seva Sadan** has been written by **Munshi Premchand**. In 1919, Premchand's first major novel **Seva Sadan** was published in Hindi.
- The novel was originally written in Urdu under the title **Bazaar-e-Husn** but was published in Hindi first by the name **Sevasadan** a Calcutta-based publisher.

- An English translation of this book was released by **Oxford University Press, India in New Delhi in 2005.**
 - Sewasadan deals with poor conditions of women in society, child marriage, and dowry. It tells us about the Indian upper class and the opportunities they got from the British government. The novel was a shift from fantasy to a serious reflection of life.
 - **Gitanjali, Gora, and Chokher Bali** are written by **Rabindranath Tagore.**
-

97. Answer: c

Explanation:

The correct answer is Ghaghra.

★ Key Points

- Ghaghra is a tributary of the river Ganga.
 - **The River Ganges Tributaries:**
 - **Left:** Gomti, Ghaghara, Gandak, Burhi Gandak, Koshi, Mahananda, Ramganga, Garra.
 - **Right :** Yamuna, Sone, Punpun, Falgu, Chandan, Ajoy, Damodar, Rupnarayan, Tamsa (also called Tons).
 - **The Yamuna is the main and the longest (1,376 kilometres)** right bank tributary of the river Ganga.
 - Rises from Yamunotri glacier near the Banderpoonch peak of the higher Himalayas.
 - **Ghaghara River** is the second-longest tributary of Ganga by length.
-

98. Answer: a

Explanation:

The correct answer is Banking.

★ Key Points

- **Basel Norms:**
 - Basel norms are the **international banking regulations to strengthen the international banking system.**
 - It is in the form of an agreement by the Basel Committee of Banking supervision which mainly focuses on the risk to banks and the financial system.
- **Basel-I norms:**
 - Basel, I was introduced in 1988 and focused on credit risk.
 - India adopted Basel I guidelines in 1999 as it defines the capital and structure of risk weights for banks.
 - The minimum Capital requirement was fixed at 8% of risk-weighted assets.
- **Basel-II norms:**
 - Basel II norms were established in 2000 and were based on three parameters capital adequacy requirement, supervisory requirement, and market discipline.
 - A minimum capital adequacy requirement of 8% of risk-weighted assets was fixed.
- **Basel-III norms :**
 - Basel III norms were issued in 2010 as a response to the financial crisis of 2008.
 - It aims to promote a resilient banking system by focusing on capital leverage funding and liquidity.
 - The capital adequacy ratio was fixed at 12.9%.
 - The leverage rate was fixed at 3%.
 - Banks' strength was improved Liquidity Coverage Ratio and Net Stable Fund Rate.

99. Answer: a

Explanation:

The correct answer is Sharad.

★ Key Points

- The tenth day after **Sharad** Navratri is celebrated as Dussehra or Vijayadashami.
- Navratri ("nine nights") also called Durga Puja, in Hinduism, is a major festival held in honor of the divine feminine.
- Navratri occurs over 9 days during the month of Ashvin, or Ashvina (in the Gregorian calendar, usually September–October).
- It often ends with the **Dussehra (also called Vijayadashami)** celebration on the 10th day.
- Additionally, as Navratri depends on the lunar calendar, in some years it may be celebrated for 8 days, with Dussehra on the 9th.
- There are four similar festivals, **also called Navratri, which are held at various stages of the year; however, the early autumn festival, also called Sharad Navratri, is the most significant.**

100. Answer: a

Explanation:

The correct answer is Farmers.

★ Key Points

- Rulers of mahajanapadas in ancient India collected a tax called 'Bhaga' from the **Farmers** in their region.
- **Mahajanapadas:**
 - As the rulers of the Mahajanapadas were building huge forts, maintaining big armies, they needed more resources.
 - And they needed officials to collect these. So, instead of depending on occasional gifts brought by people, as in the case of the Raja of the Janapadas, they started collecting regular taxes.
 - Taxes on crops were the most important.
 - This was because agriculture was the main occupation at that time. Usually, the tax was fixed at 1/6th of what was produced.

- This was known as **bhaga or a share** .
- There were taxes on **craftspersons** as well. These could have been in the form of labour.
- For example, a weaver or a smith may have had to work for a day every month for the king.
- Herders were also expected to pay taxes in the form of animals and animal products.
- There were also taxes on goods that were bought and sold, through trade. And hunters and gatherers also had to provide forest produce to the raja.

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