



SSC MTS 2020 Tier I : 11

Oct S2

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

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

The priest's sermon had a calming _____ on everybody.

- A. effect
 - B. change
 - C. study
 - D. chance

2. Identify the segment in the sentence which contains a grammatical error.

Playing in the park is one of the things that small children really love.

- 3. Select the INCORRECTLY spelt word.**

- | | |
|-------------|-----------|
| A. Caused | B. Croton |
| C. Coutious | D. Crayon |

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

DELIBERATE

- | | |
|----------------|---------------|
| A. Thoughtful | B. Illiterate |
| C. Spontaneous | D. Careful |

5. Identify the segment in the sentence which contains a grammatical error.

The sports teacher was elated when his team won the state football championship.

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

PERMANENT

- | | |
|--------------|-------------|
| A. Lasting | B. Stable |
| C. Temporary | D. Constant |

7. 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'.

Thousands of people gathered between the stadium to attend the rally.

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

There are a lot of things that _____ to a healthy lifestyle.

- | | |
|-----------------|------------------|
| A. contributing | B. contribute |
| C. contributed | D. Contributions |

9. 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'.

The company has the number of festival offers coming up soon.

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

Dubai is like an oasis _____ the middle of a desert.

- A. to
 - B. in
 - C. on
 - D. over

11. Select the INCORRECTLY spelt word.

- | | |
|-----------|-------------|
| A. Partly | B. Parity |
| C. Paired | D. Prepared |

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

PRACTICAL

- | | |
|----------------|----------------|
| A. Everlasting | B. Sensible |
| C. Applicable | D. Theoretical |

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

HARDLY

C. Roughly

D. Strongly

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

The science or practice of drawing maps

A. Geology

B. Anthology

C. Graphology

D. Cartography

15. Identify the segment in the sentence which contains a grammatical error.

Much villagers attended the feast hosted by the village panchayat.

A. the village panchayat

B. hosted by

C. attended the feast

D. Much villagers

16. Select the most appropriate meaning of the given idiom.

Horses for courses

A. Different people are suited for different jobs

B. The same horse can run in different race courses in order to win

C. The same person can do many jobs and give good results

D. Horses are mainly bred for race courses and are winners

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

In spite of many _____ we managed to go ahead with our tree plantation drive.

A. moments

B. confirmations

C. restrictions

D. affirmations

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

A very steep or overhanging rock face or cliff on a mountain

A. Edge

B. Precipice

C. Slope

D. Hill

19. 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'.

This silver glass will shine if you rub by lemon peel.

A. No substitution required

B. rub it with

C. rubbed it by

D. rubbing it by

20. Select the most appropriate meaning of the given idiom.

Many a slip between the cup and the lip

- A. The work is going as per plan and must be completed
 - B. The cup is slippery and likely to break if you are not careful
 - C. The tea is too hot and likely to burn the lips
 - D. Bad things may happen before the task is finished

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

The Defence Minister complimented the IAF for its rapid deployment of assets at forward locations (1) _____ response to the border row with China in eastern Ladakh. The current combat readiness has sent a strong message to our (2) _____, he said. In an address to the top commanders of (3) _____ IAF on the opening day of a three-day conference, the defence minister said the nation's resolve to defend its sovereignty (4) _____ firm and that the people of the country have full confidence in the (5) _____ of its armed forces.

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

- A. in
 - B. on
 - C. with
 - D. to

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

- A. messengers
 - B. terrorists
 - C. adversaries
 - D. Friends

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

- A. one
 - B. an
 - C. the
 - D. A

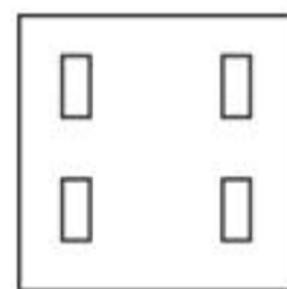
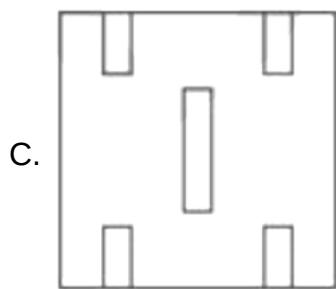
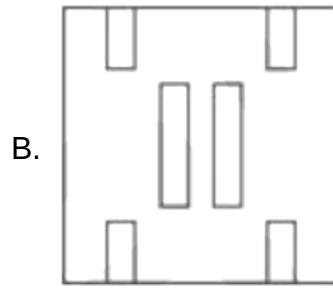
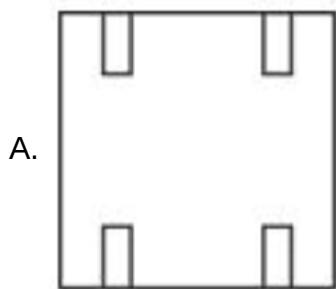
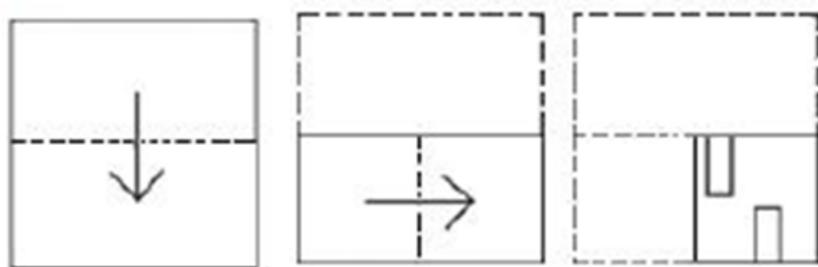
24. Select the most appropriate option to fill in blank no. 4

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

C. sensibility

D. Probability

26. A paper is folded at the dotted lines as shown in the first two figures, and cut as shown in the third figure. How will it appear when unfolded?



27. Arrange the following in a logical and meaningful order.

I. Assistant Professor

II. PGT

III. Professor

IV. Associate Professor

A. I, II, III, IV

B. I, III, IV, II

C. IV, II, I, III

D. III, IV, I, II

28. Select the correct combination of mathematical signs to sequentially replace the *signs and balance the given equation.

$$17 * 3 * 6 * 2 * 7 * 55$$

A. $\times, -, \div, +, =$

B. $-, \div, +, \times, =$

C. $\div, +, -, \times, =$

D. $-, +, \div, \times, =$

29. Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

J_ _ G_KP_ _ _ PGJ

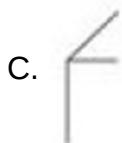
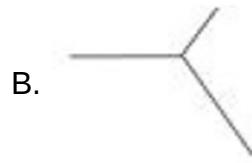
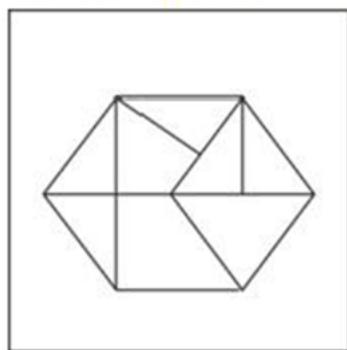
A. GJPJKJ

B. PJKGJK

C. KPJGJK

D. KJPGKJ

30. Select the option figure which is NOT embedded in the given figure (rotation is NOT allowed).



31. Two statements are given, followed by two conclusions. 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.

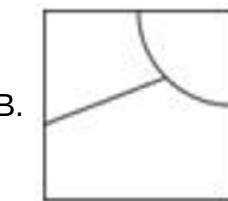
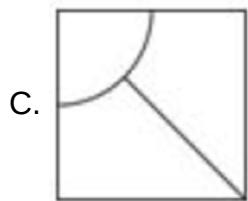
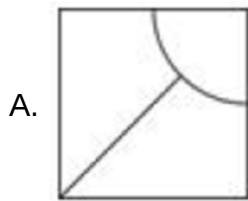
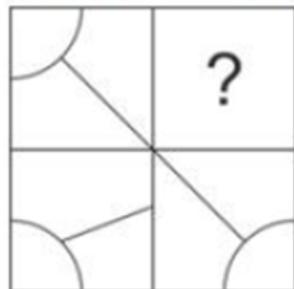
Statements:

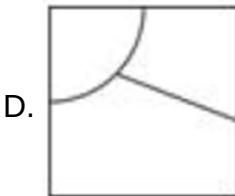
- 1) All animals are white.
- 2) No reptile is white.

Conclusions:

- I. No reptile is an animal.
 - II. Some whites are animals.
- A. Both conclusions I and II follow.
B. Only conclusion I follows.
C. Only conclusion II follows.
D. Neither conclusion I nor II follows.

32. **Complete the missing portion of the given pattern by selecting from the given option.**





33. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

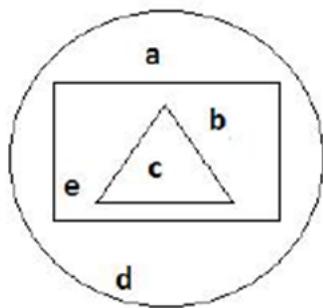
COLD : GTRK :: MICE : ?

34. Which two signs should be interchanged to make the given equation correct?

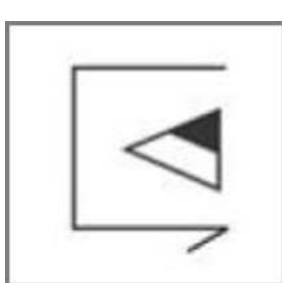
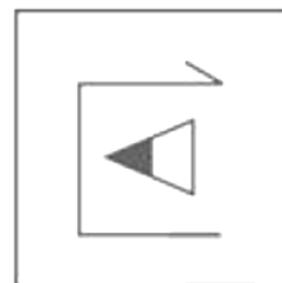
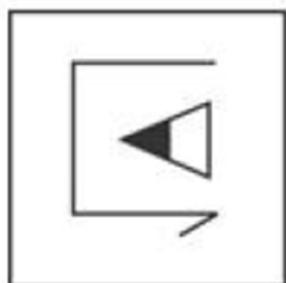
$$8 \times 4 - 7 + 8 \div 2 = 35$$

- | | |
|------------|------------|
| A. + and - | B. ÷ and - |
| C. - and × | D. × and ÷ |

35. In the given figure, the circle represents ‘kids who can write’, the rectangle represents ‘kids who can read’, and the triangle represents ‘kids who can sing’. Which part of the figure represents ‘kids who can write but CANNOT sing’?



36. Select the figure from the options that can replace the question mark (?) and complete the following figure series.



30, 42, 56, 72, ?, 110

Sweet : Sour :: End : ?

A. New

C. Beginning

B. Move

D. First

46. If in a code language, 'BEAM' is written as 'YVZN', then how will 'HELP' be written in the same code language?

A. EVKO

C. SVKQ

B. SVOK

D. EVKQ

47. Select the option that is related to the third term in the same way as the second term is related to the first term.

Square : Side :: Circle : ?

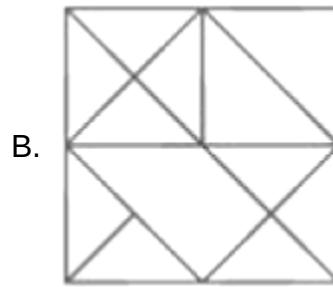
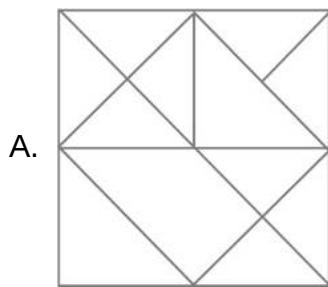
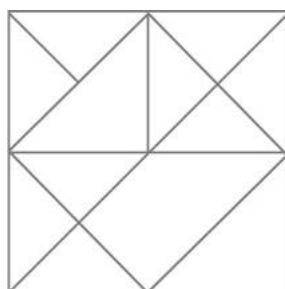
A. Area

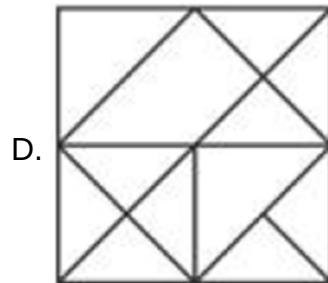
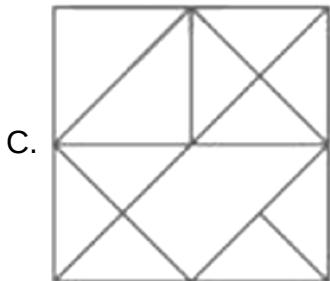
C. Radius

B. Arc

D. Diameter

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





49. There are seven row houses, M, N, O, P, Q, R and S, in a campus, but not necessarily in the same sequence. P is not at any of the ends. R is to the immediate right of P. S is third from the left. O is at the left end. M is second from the right. O is not besides N.

Where is R located?

- A. Fourth from the right B. Second from the left
C. At the right end D. Third from the right

50. Three statements are given, followed by four conclusions. 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.

Statements:

- 1) Some women can cook well.
 - 2) All women who can cook well are dancers.
 - 3) Some dancers are players.

Conclusions:

- I. No dancer can cook well.
 - II. No dancer is a woman.
 - III. Some players are women.
 - IV. No player is a woman.

A. Either conclusion III or IV follows.
B. Both conclusions II and IV follow.
C. Only conclusion III follows.
D. Both conclusions I and II follow.

51. Two numbers A and B are, respectively, 20% and 56% more than a third number C . The ratio of the

numbers A to B is:

- A. 10 : 13 B. 10 : 17
C. 11 : 13 D. 7 : 11

52. If the diameter of the base of a cone is 24 cm and its curved surface area is $1395\frac{3}{7}\text{ cm}^2$, then its height is:

(take $\pi = \frac{22}{7}$)

- A. 35 cm B. 32 cm
C. 30 cm D. 36 cm

53. Twelve years ago, the ratio of the ages of Anil and Bishu was 5 : 12, Eight years from now, the ratio of their ages will be 10 : 17 . What is the ratio of the present ages of Anil and Bishnu?

- A. 9 : 16 B. 8 : 15
C. 5 : 8 D. 7 : 13

54. A's monthly salary is 20% more than B's monthly salary C's monthly salary is Rs. 25,000 more than B's monthly salary. Their total monthly salary is Rs. 2,65,000. The salary of B is what percentage of that of C?

- A. 75% B. 55%
C. 60% D. 70%

55. What is the compound interest on a sum of Rs. 12,600 for $1\frac{1}{2}$ years at 20% p.a., if the interest is compounded half-yearly? (Nearest to a Re)

- A. Rs. 4,251 B. Rs. 4,171
C. Rs. 4,169 D. Rs. 4,269

56. Raghav lent Rs. 7,500 to Gopal for three years and Rs. 5,000 to Sachin for four years on simple interest at the same rate of interest, and received Rs. Rs. 3,570 in all from both as interest. The interest paid by sachin is:

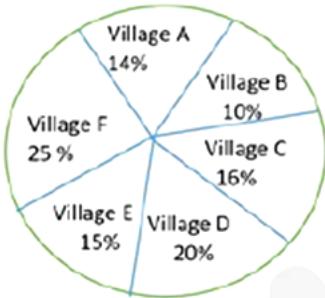
- A. Rs. 1,580 B. Rs. 1,500
C. Rs. 1,680 D. Rs. 1,600

57. Vann can do a work in 28 days. In how many days can the work be completed by Sarvesh, if the efficiency of Sarvesh is 40% more than that of Varun?

- A. 18 days B. 16 days
C. 20 days D. 15 days

58. **Direction:** Study the following pie chart and table and answer the question given below.

The given chart represents the percentage distribution of the population of six villages A, B, C, D, E and F in 2016 .



Village	Percentage of population below the poverty line
A	30%
B	45%
C	55%
D	60%
E	58%
F	40%

If the population below the poverty line in village D is 12408, then the population below the poverty line in village F is:

- C. $\frac{9}{2}$ days D. $\frac{7}{2}$ days

62. The base of a triangle is 8.5 cm and height is 14 cm. The height of another triangle, having base 14 cm and double the area of the first triangle, is:
A. 17 cm B. 15 cm
C. 16 cm D. 14 cm

63. If the height of a cylinder is increased by 30%, and the radius of its base is decreased by 15% then by what percentage will its curved surface area change?
A. 10% B. 12%
C. 8% D. 10.5%

64. The sales for 5 days are given as: Rs. 5,000, Rs. 6,000, Rs. 8,000, Rs. 7,000 and Rs. 9,000. What must the sales be on the 6th day so that the average becomes Rs. 8,500?
A. Rs. 16,000 B. Rs. 12,000
C. Rs. 15,000 D. Rs. 10,000

65. A person reaches his destination 32 minutes late if his speed is 6 km/h, and he reaches 18 minutes before time if his speed is 7 km/h. Find the distance of his destination from his starting point.
A. 28 km B. 30 km
C. 32 km D. 35 km

66. By selling an article for Rs. 1,500, double the profit is obtained then the profit that would have been obtained by selling it for Rs. 1,350 . Find the cost price of the article.
A. Rs. 1,100 B. Rs. 1,200
C. Rs. 1,400 D. Rs. 1,000

67. The value of $4 \times 2 \div 3$ of $12 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$ of 3 is:
A. $\frac{59}{18}$ B. $\frac{13}{18}$
C. $\frac{67}{18}$ D. $\frac{23}{6}$

68. Anil Kumar sold an article to Rajat for Rs. 15,000 by losing 25%. Rajat sells it to David at a price that would have given Anil Kumar a profit of 5%. The profit percentage earned by Rajat is:
A. 25% B. 40%
C. 42% D. 30%

69. A man travelled a distance of 47 km in 6 hours. He travelled partly on foot at the rate of $6\frac{1}{2}$ km/h and partly on bicycle at the rate of $8\frac{1}{2}$ km/h. The distance travelled on foot is:
A. 20 km B. 22 km
C. 24 km D. 26 km

- A. Evaluation and Monitoring of the Financial Sector B. Developing Economies Financial Audit Scheme
C. Financial Sector Assessment Program D. Finance and Socio-Economic Audit Scheme

78. Dashain is the longest and the most important festival of _____.
A. Myanmar B. Bhutan
C. Sri Lanka D. Nepal

79. Which of the following awards was presented to Ramesh Sippy at the Filmfare Awards2020?
A. Best Director B. Best Original Story
C. Lifetime Achievement Award D. Excellence in Cinema

80. Tooth decay is caused by _____.
A. Viruses B. Bacteria
C. Fungi D. Protozoa

81. When dried raisins are placed in a concentrated salt solution, they _____.
A. First shrink and then swell B. Swell
C. Shrink D. Remain the same size

82. Military commanders in Akbar's empire were called '_____.
A. Faujdars B. Bakhshis
C. Kotwals D. Diwans
E. Mansbdars

83. Which of the following rivers does NOT rise in the Nepal Himalayas?
A. Kosi B. Narmada
C. Gandak D. Ghaghara
E. Kali

84. Which of the following statements is NOT true about plateaus?
A. The Deccan plateau is one of the oldest plateaus in India. B. A plateau is an elevated flat land.
C. Plateaus are rich in mineral deposits. D. The Marwar plateau is the highest plateau in the world.

85. Which of the following monuments is located in the state of Karnataka?
A. Gol Gumbaz B. Bara Imambara
C. Charminar D. Qutub Minar

86. Complete the statement: Sodium hydrogen carbonate is used _____.
A. To remove stains from clothes B. As a preservative in food
C. As a fire extinguisher D. In baking soda

- A. for removing permanent hardness of water B. as a cleaning agent for domestic purposes
C. in soda-acid fire extinguishers D. in the manufacture of borax
87. The Nanda Devi Fair is organised in the Kumaon region in the month of _____ every year.
A. December B. May
C. February D. September
88. Murshid Quli Khan was the Nawab of _____.
A. Awadh B. Lucknow
C. Bengal D. Hyderabad
89. Who won the Styrian Grand Prix Formula 1 racing championship in July 2020?
A. Valtteri Bottas B. Max Verstappen
C. Sebastian Vettel D. Lewis Hamilton
90. Which of the following statements is NOT true?
A. Fiscal policy deals with the supply of money in the economy and the rate of interest.
B. Fiscal policy includes tax policy, expenditure policy, investment or disinvestment strategies and debt or surplus management.
C. Fiscal policy is linked with the general economic policy strategy of the country.
D. The government deals with fiscal policy.
91. In 1526, _____ defeated Ibrahim Lodi at Panipat and captured Delhi and Agra.
A. Genghis Khan B. Miran Shah
C. Babur D. Timur
92. A clinical thermometer reads the temperature from _____.
A. 25°C to 32°C B. 38°C to 48°C
C. 32°C to 38°C D. 35°C to 42°C
93. The Indian Parliament passed the Citizenship (Amendment) Bill in the year _____.
A. 2017 B. 2019
C. 2015 D. 2016
E. 2014
94. According to the Motor Vehicles Act, 1988, no person under the age of _____ years shall be granted a learner's license to drive a motorcycle without gear except with the consent in writing of the person having the care of the person desiring the learner's license.
A. twenty B. eighteen

- C. seventeen D. twenty-one

95. Which of the following countries is an 'Associate Member' of the ICC (International Cricket Council)?
A. Afghanistan B. Pakistan
C. Bangladesh D. Nepal

96. Namami Gange Programme was approved by the Government of India in the year _____.
A. 2014 B. 2018
C. 2019 D. 2015

97. In which year was the Reserve Bank of India established?
A. 1942 B. 1932
C. 1947 D. 1935

98. 'The Adventures of Huckleberry Finn' is a book written by _____.
A. Ruskin Bond B. Mark Twain
C. Rudyard Kipling D. Lewis Carroll

99. Which of the following Acts was passed by the Government of India to inquire into allegations of corruption against certain public functionaries?
A. Delimitation Act B. Prevention of Money Laundering Act
C. Central Vigilance Commission Act D. The Lokpal and Lokayukta Act

100. Who is the author of the book 'The Tales of Beedle The Bard'?
A. Lewis Carroll B. EB White
C. Roald Dahl D. JK Rowling

Solutions

1. A

Sol. Let us understand the meaning of the given words:-

- * Effect = a change that someone/something cause in someone/something
- * Change = the act or result of something becoming different.
- * Study = the activity of learning or gaining knowledge
- * Chance = a possibility of something happening, especially something that you want.

Now let's find out the correct fit for the blank:

- * "Change" is used in context of "result of becoming different". Thus, option B is incorrect.
- * "Study" is used in context of "act of gaining knowledge". Thus, option C is incorrect.
- * "Chance" is used in context of "possibility". Thus, option D is incorrect.
- * "Effect" is used in context of "change induced into someone by something".
- * Here in the given sentence, it is used to mention that the "sermon" delivered by the priest has a soothing impact or change on everyone.

Thus, "Effect" becomes the correct word to fill in the blank.

The correct sentence will be: **The priest's sermon had a calming effect on everybody.**

Hence, **option A** is the correct answer.

2. D

Sol. The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Noun**.

* “One of + the + Plural noun” is the correct structure. We use “one” for one of a larger number. The context of larger number is set by the usage of nouns in plural form.

For example:

One of the shops was open.

* In the given sentence, the activity of “playing” is one thing out of many things that children really love. Thus, we need a plural noun “things” in place of singular noun “thing”.

* Hence, “**one of the things**” is the correct substitution.

Thus, the correct sentence will be: **Playing in the park is one of the things that small children really love.**

3. C

Sol. **Option C has incorrectly spelt word.**

“Cautious” is the correct spelling of the incorrect word “Coutious”. It means being careful about what you say or do especially to avoid danger or mistakes.

The meaning of other words are:

Caused: to make something happen, especially something bad or unpleasant

Croton: a small evergreen tree of the Indo-Pacific region.

Crayon: a colored pencil or stick of soft colored chalk or wax, used for drawing.

4. C

Sol. Let's understand the meaning of the given words:

Deliberate = done on purpose rather than by accident.

E.g.: The speech was a **deliberate** attempt to embarrass the government.

Thoughtful = quiet, because you are thinking.

Illiterate = not knowing how to read or write.

Spontaneous = not planned but done because you suddenly want to do it.

E.g.: The audience burst into **spontaneous** applause.

Careful = giving attention or thought to what you are doing so that you avoid hurting yourself, damaging something.

Hence, **option C** is the correct answer.

5. B

Sol. The sentence is grammatically incorrect, and the error lies in **option B**. The error is related to **Tense**.

* Simple present tense takes only second form of verb as a main verb in active voice.

For example:

Active voice: He **won** a lifetime achievement award for cinematography.

Passive voice: A lifetime achievement award for cinematography **was won** by him.

* In the given sentence, we used second form of verb “won” after the helping verb “was”. This is wrong because it is only possible when the sentence is passive voice but here sentence is in active voice. Thus, only second form of verb should be used.

* Hence, “**won**” is the correct substitution.

Thus, the correct sentence will be:

The sports teacher was elated when his team won the state football championship.

6. C

Sol. Let's understand the meaning of the given words:

Permanent= lasting for a long time or for all time in the future.

E.g.: He was unable to find a **permanent** job.

Lasting = continuing to exist or to have an effect for a long time.

Stable = fixed or steady; not likely to move, change or fall.

Temporary = lasting or intended to last or be used only for a short time.

E.g.: They had to move into **temporary** accommodation.

Constant =happening all the time or repeatedly.

Hence, **option C** is the correct answer.

7. D

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in preposition.

* “Between” as a preposition is used to show in or into the space separating two or more points, objects, people etc.

For example:

The paper had fallen down **between** the desk and the wall.

* “At” as a preposition is used to say where something/someone is or where something happens.

For example:

They arrived late **at** the airport.

I will be **at** home all morning.

* In the underlined sentence, we need a preposition that shows where thousands of people were gathered. Thus, preposition “at” should be used in place of preposition “between”.

* Hence, “**gathered at**” is the correct substitution.

Thus, the correct sentence will be: **Thousands of people gathered at the stadium to attend the rally.**

Hence, **option D** is the correct answer.

8. B

Sol. Let us understand the meaning of the given words:-

* Contributing = is the continuous form of verb “contribute”

* Contribute = means to be one of the causes of something.

* Contributed = is the third form of verb “contribute”

* Contributes = is the singular form of verb “contribute”

Now let's find out the correct fit for the blank:

* “Contributing” is the continuous form of verb. Thus, option A is incorrect.

* “Contributed” is the third form of verb “contribute”. Thus, option C is incorrect.

* “Contributes” is the singular form of verb “contribute” but we need plural form of verb. Thus, option D is incorrect.

- * "Contribute" is the plural form of verb. It means to be one of the causes of something.
- * Here in the given sentence, it is used to mention that there are "lot of things" that causes a lifestyle to be a healthy one.

Thus, "Contribute" becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **There are a lot of things that contribute to a healthy lifestyle.**

Hence, **option B** is the correct answer.

9. B

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in article.

* Article A/An is used in some expressions of quantity. For example: a few, a little, a number of etc.

"A number of + Plural noun" is used to show the large quantity of something.

For example:

A number of concerned people have joined the protest.

* "An" as a definite article is used before the countable nouns (having vowel sounds) that have not been mentioned before.

"A" as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before.

"The" is a definite article. It is before the nouns that are specific.

- * In the underlined sentence, we have erroneously used definite article “the” because we don’t have any specific noun.
- * We need an expression that shows the large quantity of “festival offers”. Thus, article “a” should be used in place of article “the”.
- * Hence, “**a number of**” is the correct substitution.

Thus, the correct sentence will be: **The company has a number of festival offers coming up soon.**

Hence, **option B** is the correct answer.

10. B

Sol. Let us understand the meaning of the given words:-

- * To = (preposition) is used to show “in the direction of something towards something”
- * In =(preposition) is used to show “at a point within an area”
- * On = (preposition) is used to show into a position covering, touching or forming a part of a surface
- * Over = (preposition) is used to show “resting on the surface of someone/something and partly or completely covering them/it.

Now let's find out the correct fit for the blank:

- * “To” as a preposition is used in the context of “direction”. Thus, option A is incorrect.
- * “On” as a preposition is used in the context of “touching a surface”. Thus, option C is incorrect.

- * "Over" as a preposition is used in the context of "resting on a surface". Thus, option D is incorrect.
- * "In" as a preposition is used in the context of "location within an area".
- * Here in the given sentence, it is used to mention the location of "oasis" within a "desert".

Thus, "In" becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **Dubai is like an oasis in the middle of a desert.**

Hence, **option B** is the correct answer.

11. D

Sol. **Option D has incorrectly spelt word.**

"Prepared" is the correct spelling of the incorrect word "Prepaired". It means to make something or someone ready to be used or to do something.

The meaning of other words are:

Partly: to some extent; not completely.

Parity: the state of being equal.

Paired: to put people or things into groups of two.

12. B

Sol. Let's understand the meaning of the given words:

Practical= right or sensible; likely to be successful

E.g.: I soon realized that it would have been more **practical** to walk.

Everlasting = continuing forever; never changing.

Sensible = able to make good judgements based on reason and experience rather than emotion.

E.g.: I think that is a very **sensible** idea.

Applicable = that can be said to be true in the case of someone/something.

Theoretical = connected with the ideas and principles no which a particular subject is based rather than with practice and experiment.

Hence, **option B** is the correct answer.

13. B

Sol. Let's understand the meaning of the given words:

Hardly= almost no; almost not

E.g.: There is **hardly** any tea left in the cup.

Adequately = in a way that is enough in quantity, or good enough in quantity.

Barely = in way that almost does not happen or exist.

E.g.: He **barely** acknowledged her presence.

Roughly = approximately but not exactly.

Strongly = in a way that shows definite and serious opinions or beliefs.

Hence, **option B** is the correct answer.

14. D

Sol. Geology: the scientific study of the physical structure of the earth

Anthology: a collection of poems, stories etc. that have been written by different people and published together in a book.

Graphology: the study of handwriting in order to learn more about someone's character.

Cartography: the art or process of drawing or making maps.

Hence, **option D** is the correct answer.

15. D

Sol. The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Adjective**.

* "Much" as a determiner is used with uncountable nouns, esp. in negative sentences to mean "a large amount of something", or after "how" to ask about the amount of something.

For example:

How **much** water does she needs?

Water is an uncountable noun

* "Many" as a determiner is used with plural countable nouns.

For example:

How **many** children do you have?

Children is a countable noun.

* In the given sentence, "villagers" is a plural countable noun. Thus, "many" should be used in place of "much".

* Hence, "**Many villagers**" is the correct substitution.

Thus, the correct sentence will be: **Many villagers attended the feast hosted by the village panchayat.**

16. A

Sol. The idiom "**horses for courses**" means the act of matching people with suitable jobs or tasks.

Example: Our company does **horses for courses** which eventually helps you in choosing a better career option.

Hence, **option A** is the correct answer.

17. C

Sol. Let us understand the meaning of the given words:-

- * Moments = a very short period of time.
- * Confirmations = a statement, letter etc. that shows something is true, correct or definite.
- * Restrictions = a rule or law that limits what you can do or what can happen.
- * Affirmations = a definite or public statement that something is true or that you support something strongly.

Now let's find out the correct fit for the blank:

- * "Moments" is used in context of "short period of time". Thus, option A is incorrect.
- * "Confirmations" is used in context of "definiteness of something". Thus, option B is incorrect.
- * "Affirmations" is used in context of "supporting something". Thus, option D is incorrect.
- * "Restrictions" is used in context of "limiting something".
- * Here in the given sentence, it is used to mention that despite presence of limitations, "we" managed to move on with their activity of plantation.

Thus, "Restrictions" becomes the correct word to fill in the blank.

The correct sentence will be: **In spite of many restrictions we managed to go ahead with our tree plantation drive.**

Hence, **option C** is the correct answer.

18. B

Sol. Edge: the outside limit of an object, a surface or an area.

Precipice: a very steep side of a high cliff, mountain or rock.

Slope: a surface or piece of land that slopes i.e. is higher at one end than the other.

Hill: an area of land that is higher than the land around it.

Hence, **option B** is the correct answer.

19. B

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in preposition and pronoun.

* Preposition "By" is used for showing how or in what way something is done.

For example:

I will contact you **by** letter.

May I pay **by** credit card?

* Preposition "With" is used to show "using something"

For example:

It is treated **with** acid before being analysed.

Cut it **with** a knife.

* Pronoun “It” is used to refer an animal or thing that has already been mentioned.

For example:

The other room has two beds in **it**.

* In the underlined sentence, we need a preposition that shows the meaning of “using “lemon peel”.

* Preposition “by” does not fit in this sense, only preposition “with” is apt here.

* Also, “silver glass” was already mentioned before the underlined part thus we need a pronoun “It” for this purpose.

* So, “**rub it with**” is the correct substitution.

Thus, the correct sentence will be:

This silver glass will shine if you rub it with lemon peel.

Hence, **option B** is the correct answer.

20. D

Sol. The idiom “**many a slip between the cup and the lip**” means nothing is completely certain until it really happens because things can easily go wrong.

Example: The manager cautioned his team members that there are **many a slip between the cup and the lip**.

Hence, **option D** is the correct answer.

21. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“On” as a preposition is used to show into a position covering, touching or forming a part of a surface. Thus, option B is wrong.

“With” as a preposition is used to show in the company or presence of someone/something. Thus, option C is wrong.

“To” as a preposition is used for “towards something”. Thus, option D is wrong.

“In” as a preposition is used to show the quality or thing that a judgement is being made about.

Here in the given sentence, judgement about IAF “response” is being made in context to the ongoing border dispute.

Hence, **option A** is the correct answer.

22. C

Sol. The given passage is about **“Defence Minister speech at IAF’s conference”**.

“Messengers” means a person who gives a message to someone. Thus, option A is wrong.

“Terrorists” means a person who takes part in terrorism. Thus, option B is wrong.

“Friends” means a person you know well and like, and who is not usually a member of your family. Thus, option D is wrong.

“Adversaries” means a person that someone is opposed to and competing with in an argument or battle.

In the given sentence, it is used to mention that IAF’s readiness has shown a solid message to those who are opposing or engaged in altering our borders.

Hence, **option C** is the correct answer.

23. C

Sol. The given passage is about **“Defence Minister speech at IAF’s conference”**.

“One” as a pronoun is used to avoid repeating a noun, when you are referring to someone/something that has already been mentioned. Thus, option A is wrong.

“An” as a definite article is used before the countable nouns (having vowel sounds) that have not been mentioned before. Thus, option B is wrong.

“A” as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before. Thus, option D is wrong.

“The” is a definite article. It is used before the names of institutions.

Here in the given sentence, it is used before IAF i.e., Indian Air Force, which is mentioned as an institution in the paragraph.

Hence, **option C** is the correct answer.

24. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“Were standing” is used in past continuous tense. Thus, option B is wrong.

“Standing” is the continuous form of verb. Thus, option C is wrong.

“Is stood” is an incorrect verb phrase because second form of verb is used after the helping verb “is”. Thus, option D is wrong.

“Stands” is singular verb. It means to be in a particular condition or situation.

Here in the given sentence, it is used for singular subject “nation’s resolve”.

Hence, **option A** is the correct answer.

25. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“Availability” means the fact that something is possible to get, buy or find. Thus, option B is wrong.

“Sensibility” means the ability to experience and understand deep feelings. Thus, option C is wrong.

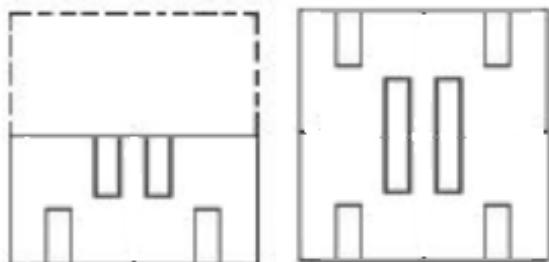
“Probability” means how likely something is to happen. Thus, option D is wrong.

“Capability” means the ability or qualities necessary to do something.

Here in the given sentence, it is used to mention about the “ability of armed forces” of India.
Hence, **option A** is the correct answer.

26. B

Sol. When the sheet of paper is unfolded it will appear as shown below:



Hence, option B is the correct answer.

27. D

Sol. The order as per academic ranks from higher to lower is:

III. Professor

IV. Associate Professor

I. Assistant Professor

II. PGT

Hence, option D is the correct answer.

28. A

Sol. After the signs placed in the equation we get:

$$17 \times 3 - 6 \div 2 + 7 = 55$$

On solving the L.H.S we get:

$$\rightarrow 51 - 3 + 7$$

$$\rightarrow 51 + 4 \Rightarrow 55$$

So, L.H.S = R.H.S

Hence, option A is the correct answer.

29. C

Sol. Here the set of letters ‘JKPG’ is repeating.

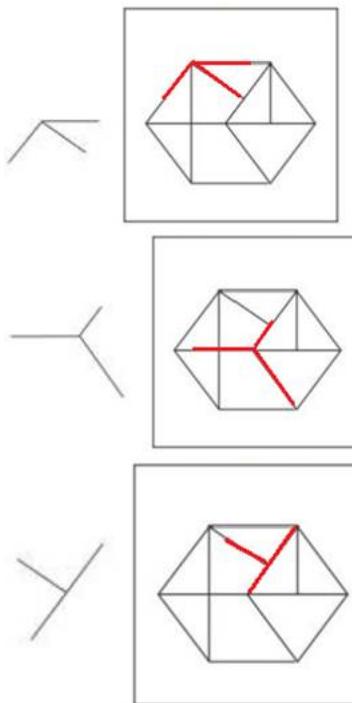
J K P G/ J KP G/ JK PG/ J

Thus, the set of combination is: KPJGJK

Hence, option C is the correct answer.

30. C

Sol. The figures given in option (A), (B) & (D) respectively are perfectly embedded in the given question figure as shown below:

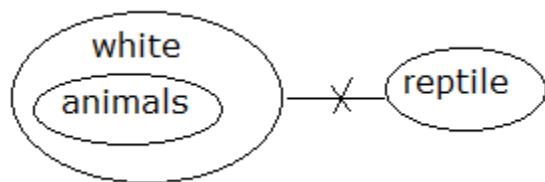


But, the figure given in option (C) doesn't fit in the given question figure.

Hence, option C is the correct answer.

31. A

Sol. The least possible Venn-diagram will be:



Conclusions:

I. No reptile is an animal – It is a definite case, hence true.

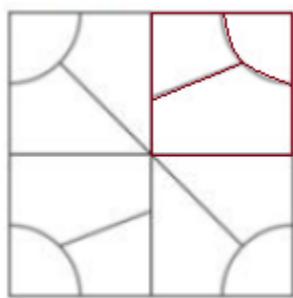
II. Some whites are animals - It is a definite case, hence true.

So, both conclusions I and II follow.

Hence, option A is the correct answer.

32. B

Sol. The figure given in option (B) completes the following pattern:



Hence, option B is the correct answer.

33. C

Sol. The pattern is as follows:

$$\begin{array}{cccc} C & O & L & D \\ +4 \downarrow & +5 \downarrow & +6 \downarrow & +7 \downarrow \\ G & T & R & K \end{array}$$

Similarly,

$$\begin{array}{cccc} M & I & C & E \\ +4 \downarrow & +5 \downarrow & +6 \downarrow & +7 \downarrow \\ Q & N & I & L \end{array}$$

Hence, option C is the correct answer.

34. A

Sol. After changing the two signs the equation becomes:

$$8 \times 4 + 7 - 8 \div 2 = 35$$

On solving L.H.S;

$$\rightarrow 32 + 7 - 4$$

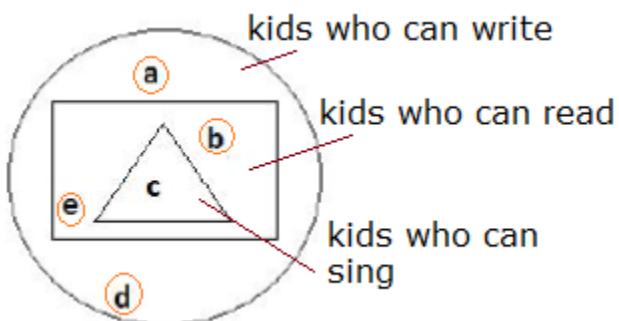
$$\rightarrow 39 - 4 \Rightarrow 35$$

Thus L.H.S = R.H.S

Hence, option A is the correct answer.

35. A

Sol. The following diagrammatic representation is:

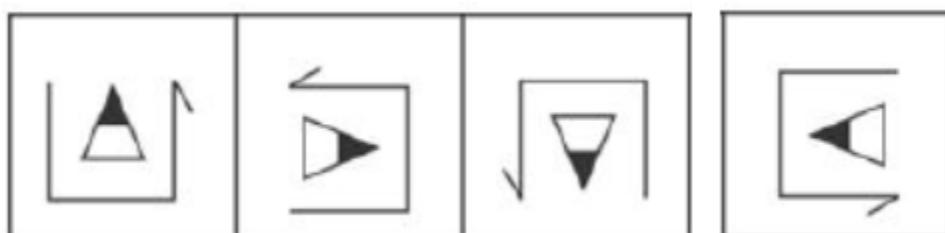


Thus, it is clear that a, b, e and d region represents 'kids who can write but CANNOT sing'.

Hence, option A is the correct answer.

36. A

Sol. Logic: the inner figure that is the half-shaded triangle is rotating 90° to right while the outer figure is rotating 90° to the left.



Hence, option A is the correct answer.

37. B

Sol. Here the numbers code for these words:

you	2 or 4
are	2 or 4
fool	7
Rohan	3
is	1
Riya	8 or 9
likes	8 or 9

It is clear that code for 'Riya' will be either 8 or 9, and 9 is given in option (B).

Hence, option B is the correct answer.

38. C

Sol. The pattern is as follows:

23	9	3	5
W	I	C	E
+1	-2	+3	-4
X	G	F	A

\downarrow \downarrow \downarrow \downarrow

24 7 6 1

Similarly,

23	5	12	12
W	E	L	L
+1	-2	+3	-4
X	C	O	H

\downarrow \downarrow \downarrow \downarrow

24 3 15 8

Hence, option C is the correct answer.

39. C

Sol. The pattern is as follows:

$$5 \times 6 = 30$$

$$6 \times 7 = 42$$

$$7 \times 8 = 56$$

$$8 \times 9 = 72$$

$$9 \times 10 = 90$$

$$10 \times 11 = 110$$

Hence, option C is the correct answer.

40. D

Sol. Here the numbers code for these words:

God	7
is	2
great	4
I	1 or 3
worship	1 or 3
omnipotent	5

Hence, option D is the correct answer.

41. B

Sol. The pattern is as follows:

$$6 + 7 = 13$$

$$7 + 13 = 20$$

$$13 + 20 = 33$$

$$20 + 33 = 53$$

$$33 + 53 = 86$$

Hence, option B is the correct answer.

42. B

Sol. The pattern is as follows:

$$9^3 + 9 = 729 + 9 = 738$$

Same pattern is followed by the number pair:

$$6^3 + 6 = 216 + 6 = 222$$

$$7^3 + 7 = 343 + 7 = 350$$

$$4^3 + 4 = 64 + 4 = 68$$

But,

$$8^3 + 8 = 512 + 8 = 520 \text{ not } 157$$

Thus number pair (8 : 157) is different from the rest.

Hence, option B is the correct answer.

43. A

Sol. The pattern is as follows: The sum of the digits of the three numbers in the set is equal to 11.

Therefore in number set (272, 353, 452)

$$2+7+2 = 11$$

$$3+5+3 = 11$$

$$4+5+2 = 11$$

Similar pattern is seen in number set (560, 443, 263)

$$5+6+0 = 11$$

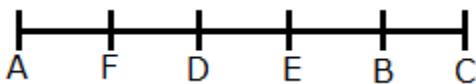
$$4+4+3 = 11$$

$$2+6+3 = 11$$

Hence, option A is the correct answer.

44. A

Sol. As per the given information the arrangement will be;



Clearly, 'E' is standing third from the right side.

Hence, option A is the correct answer.

45. C

Sol. Sweet & sour is together used to describe a food flavor that contain both something sweet and sour as lemon taste.

Hence, option C is the correct answer.

46. B

Sol. Logic; here the coded letters are the opposite letters of the given letters as per their position in Alphabetical order. Thus,

A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

We can see the opposite letter pairs from the above; therefore the code of
HELP -> SVOK

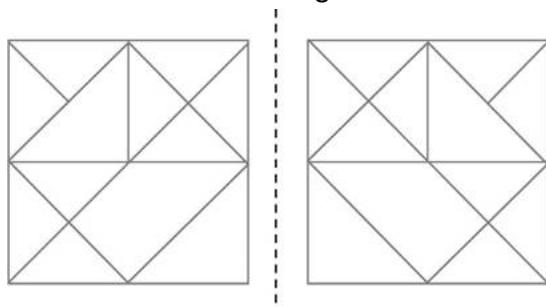
Hence, option B is the correct answer.

47. B

Sol. A Square has four sides in same way any unbroken part of the circumference of a circle is called an arc.
Hence, option B is the correct answer.

48. A

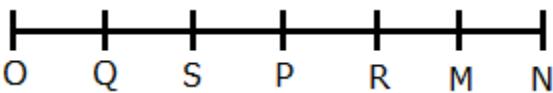
Sol. The correct mirror image will be:



Hence, option A is the correct answer.

49. D

Sol. As per the given information the arrangement will be:

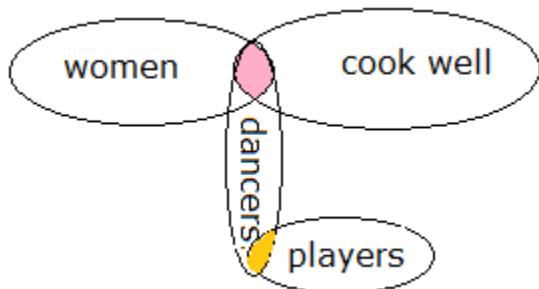


Clearly, 'R' is third from the right end.

Hence, option D is the correct answer.

50. A

Sol. As per the given statements the Venn-diagram will be as shown below:



Conclusions:

I. No dancer can cook well – It is not a definite case, hence false.

II. No dancer is a woman – It is not a definite case, hence false.

III. Some players are women – It is not a definite case, hence false.

IV. No player is a woman – It is not a definite case, hence false.

But, conclusion III and IV have complementary pairs thus either III or IV is follows.

Hence, option A is the correct answer.

51. A

Sol. Given:

Respectively, A and B are 20% and 56% more than a third number C.

Let C be equal to x.

$$\text{Then, } A = (x) + (x) \times 20\% = x + 0.20x = 1.2x$$

$$\text{And } B = (x) + (x) \times 56\% = x + 0.56x = 1.56x$$

Now, A : B

$$1.2x : 1.56x$$

$$10 : 13$$

Hence, option A is the correct answer.

52. A

Sol. Given:

Diameter of the base of cone = 24 cm

$$\text{Radius} = 24/2 = 12 \text{ cm}$$

$$\text{And Curved Surface Area} = 1395\frac{3}{7} \text{ cm}^2$$

$$\Rightarrow \text{prl} = 1395\frac{3}{7}$$

$$\Rightarrow \frac{22}{7} \times 12 \times (l) = \frac{9768}{7}$$

$$\Rightarrow l = \frac{9768 \times 7}{7 \times 22 \times 12}$$

$$\Rightarrow l = 37 \text{ cm}$$

$$\text{Now, height of cone (h)} = \sqrt{l^2 - r^2}$$

$$\Rightarrow h = \sqrt{37^2 - 12^2}$$

$$\Rightarrow h = \sqrt{1369 - 144}$$

$$\Rightarrow h = \sqrt{1225}$$

$$\Rightarrow h = 35 \text{ cm}$$

Hence, option A is the correct answer.

53. B

Sol. Let the age of Anil, 12 years ago, be $5x$ years.

Then, age of Bishu, 12 years ago = $(5x) \times \frac{12}{5} = 12x$ years.

Now, after 8 years from now, ratio of ages of Anil and Bishu = $10 : 17$

$$\Rightarrow \frac{5x+12+8}{12x+12+8} = \frac{10}{17}$$

$$\Rightarrow \frac{5x+20}{12x+20} = \frac{10}{17}$$

$$\Rightarrow 85x + 340 = 120x + 200$$

$$\Rightarrow 120x - 85x = 340 - 200$$

$$\Rightarrow 35x = 140$$

$$\Rightarrow x = 140/35 = 4$$

Present age of Anil = $5 \times 4 + 12 = 32$ years

And present age of Bishu = $12 \times 5 + 12 = 60$ years.

Ratio of present ages of Raj and Bishu = $32 : 60 = 8 : 15$

Hence, option B is the correct answer.

54. A

Sol. Let the monthly salary of B be Rs. x .

Then, A's monthly salary = $(x) + (x) \times 20\% = x + 0.20x = \text{Rs. } 1.2x$

And C's monthly salary = Rs. $(x + 25000)$

Now, total monthly salary of A, B and C = Rs. 265000 (given)

$$\Rightarrow 1.2x + x + x + 25000 = 265000$$

$$\Rightarrow 3.2x = 265000 - 25000$$

$$\Rightarrow x = 240000/3.2 = 75000$$

Therefore, B's salary = x = Rs. 75000

And C's salary = 75000 + 25000 = Rs. 100000

Required, percentage = $\frac{75000}{100000} \times 100 = 75\%$

Hence, option A is the correct answer.

55. B

Sol. Given:

Principal = Rs. 12600, Rate of interest = 20% p.a. or 10% per period (20%/2)

And Time = 1.5 years or 3 periods (1.5×2)

Compound Interest = Principal $\times \left(1 + \frac{r}{100}\right)^t - \text{Principal}$

$$= 12600 \times \left(1 + \frac{10}{100}\right)^3 - 12600$$

$$= 12600 \times (1.1)^3 - 12600$$

$$= 12600 \times 1.331 - 12600$$

$$= 16770.6 - 12600$$

$$= \text{Rs. } 4170.6 \approx \text{Rs. } 4171$$

Hence, option B is the correct answer.

56. C

Sol. Given:

Amount lent to Gopal = Rs. 7500 for 3 years and Amount lent to Sachin = Rs. 5000 for 4 years at the same rate of interest.

Let the rate of interest be x%.

Then, interest on amount lent to Gopal = Principal \times Rate \times Time

$$= 7500 \times (x)\% \times 3 = \text{Rs. } 225x$$

And interest on amount lent to Sachin = Principal \times Rate \times Time

$$= 5000 \times (x)\% \times 4 = \text{Rs. } 200x$$

Total Interest = Rs. 3570 (given)

$$\Rightarrow 225x + 200x = 3570$$

$$\Rightarrow 425x = 3570$$

$$\Rightarrow x = 3570/425 = 8.4$$

Now, interest paid by Sachin = $200 \times 8.4 = \text{Rs. } 1680$

Hence, option C is the correct answer.

57. C

Sol. Given:

Vann can do a work in 28 days.

Let the efficiency of Vann be x units/day.

Then, efficiency of Sarvesh = $x + (x) \times 40\% = x + 0.4x = 1.4x$ units/day

And total work = Efficiency \times Time = $(x) \times 28 = 28x$ units

Now, time taken by Sarvesh to complete the work

= Total Work/Efficiency = $28x/1.4x = 20$ days.

Hence, option C is the correct answer.

58. A

Sol. Given:

Population below the poverty line in village D = 12408

Total population of village D = $12408/60\% = 20680$

Now, population of village F = $20680 \times \frac{25\%}{20\%} = 25850$

Now, population below the poverty line in village F = $25850 \times 40\% = 10340$

Hence, option A is the correct answer.

59. C

Sol. Central Angle of village B = $360^\circ \times 10\% = 36^\circ$

Central Angle of village E = $360^\circ \times 15\% = 54^\circ$

Difference in the central angles of villages B and E = $54^\circ - 36^\circ = 18^\circ$

Hence, option C is the correct answer.

60. C

Sol. Given:

Population below the poverty line in village A = 42000

Total population of village A = $42000/30\% = 140000$

Therefore, population above the poverty line in village A = $140000 - 42000 = 98000$

Hence, option C is the correct answer.

61. D

Sol. Let the total work be 504 units.

Then, efficiency of A = $\frac{504}{12 \times 6} = 7$ units/hour

And efficiency of B = $\frac{504}{8 \times 7} = 9$ units/hour

Combined efficiency of A and B = $7 + 9 = 16$ units/hour

Time taken by them to complete the whole work together at 9 hours a day

$$= \frac{504}{16 \times 9} = \frac{7}{2} \text{ days}$$

Hence, option D is the correct answer.

62. A

Sol. Given:

Base of a triangle = 8.5 cm and height = 14 cm

Therefore, area of triangle = $\frac{1}{2} \times 8.5 \times 14 = 59.5 \text{ cm}^2$

Now, area of another triangle = 2×59.5

$$\Rightarrow \frac{1}{2} \times 14 \times \text{height} = 119$$

$$\Rightarrow \text{Height} = 119/7 = 17 \text{ cm}$$

Therefore, the height of the other triangle is 17 cm.

Hence, option A is the correct answer.

63. D

Sol. Let the initial height of the cylinder be 'h' cm and radius of base be 'r' cm.

Therefore, its initial curved surface area = $2\pi rh \text{ cm}^2$

Now, increased height = $(h) + (h) \times 30\% = h + 0.3h = 1.3h \text{ cm}$

And decreased radius of base = $(r) - (r) \times 15\% = r - 0.15r = 0.85r \text{ cm}$

Now, new curved surface area = $2\pi \times (0.85r) \times (1.3h) = 2.21\pi rh$

Percentage change in curved surface area of cylinder

$$= \frac{2.21\pi rh - 2\pi rh}{2\pi rh} \times 100 = \frac{0.21\pi rh}{2\pi rh} \times 100$$

$$= 10.5\%$$

Hence, option D is the correct answer.

64. A

Sol. Given:

Sales for 5 days = Rs. 5,000, Rs. 6,000, Rs. 8,000, Rs. 7,000 and Rs. 9,000.

Total sales in 5 days = $5000 + 6000 + 8000 + 7000 + 9000 = \text{Rs. } 35000$

Total sales required for average of Rs. 8500/day = $6 \times 8500 = \text{Rs. } 51000$

Therefore, required sales on 6th day = $51000 - 35000 = \text{Rs. } 16000$

Hence, option A is the correct answer.

65. D

Sol. Let the distance of his destination from his starting point be $x \text{ km}$.

Then, as per question,

$$\begin{aligned} \frac{x}{6} - \frac{32}{60} &= \frac{x}{7} + \frac{18}{60} \\ \Rightarrow \frac{x}{6} - \frac{8}{15} &= \frac{x}{7} + \frac{3}{10} \\ \Rightarrow \frac{5x-16}{30} &= \frac{10x+21}{70} \end{aligned}$$

$$\Rightarrow 350x - 1120 = 300x + 630$$

$$\Rightarrow 350x - 300x = 630 + 1120$$

$$\Rightarrow 50x = 1750$$

$$\Rightarrow x = 1750/50 = 35$$

Therefore, the distance of his destination from his starting point is 35 km.

Hence, option D is the correct answer.

66. B

Sol. Let the cost price of the article be Rs. x.

Then, as per question,

Profit obtained by selling it for Rs. 1500 = $2 \times$ (Profit obtained by selling it for Rs. 1,350)

$$\Rightarrow 1500 - x = 2 \times (1350 - x)$$

$$\Rightarrow 1500 - x = 2700 - 2x$$

$$\Rightarrow 2x - x = 2700 - 1500$$

$$\Rightarrow x = 1200$$

Therefore, the cost price of the article is Rs. 1200

Hence, option B is the correct answer.

67. C

Sol. $4 \times 2 \div 3$ of 12 – $3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$ of 3

$$= 4 \times 2 \div 36 - 3 \div 2 \times (-1) \times 2 + 3 \div 6$$

$$= 4 \times \frac{1}{18} - \frac{3}{2} \times (-1) \times 2 + \frac{1}{2}$$

$$= \frac{2}{9} + 3 + \frac{1}{2}$$

$$= \frac{4 + 54 + 9}{18} = \frac{67}{18}$$

Hence, option C is the correct answer.

68. B

Sol. Given:

Anil Kumar sold an article to Rajat for Rs. 15,000 by losing 25%

$$\text{Therefore, cost price for Anil Kumar} = \frac{15000}{(100-25)\%} = \frac{15000}{75\%} = \text{Rs. 20000}$$

$$\text{Now, Selling price for Rajat} = 20000 + 20000 \times 5\% = 20000 + 1000 = \text{Rs. 21000}$$

$$\text{Profit (in %) for Rajat} = \frac{21000 - 15000}{15000} \times 100 = \frac{6000}{15000} \times 100 = 40\%$$

Hence, option B is the correct answer.

69. A

Sol. Let the distance travelled on foot be x km.

Then, distance travelled on bicycle = $(47 - x)$ km

Now, as per question,

Total time taken = 6 hours

\Rightarrow Time taken on foot + time taken on bicycle = 6 hours

$$\Rightarrow \frac{x}{6\frac{1}{2}} + \frac{47-x}{8\frac{1}{2}} = 6$$

$$\Rightarrow \frac{2x}{13} + \frac{2(47-x)}{17} = 6$$

$$\Rightarrow \frac{2x}{13} + \frac{94-2x}{17} = 6$$

$$\Rightarrow \frac{34x+1222-26x}{221} = 6$$

$$\Rightarrow 8x + 1222 = 1326$$

$$\Rightarrow 8x = 1326 - 1222$$

$$\Rightarrow x = 104/8 = 13$$

Therefore, distance travelled on foot is 13 km.

Hence, option A is the correct answer.

70. C

Sol. Given:

Sum of five numbers A, B, C, D and E = 37.5

Average of A and B = 6,

And the average of D and E = 9

Sum of A and B = $2 \times 6 = 12$

Sum of D and E = $2 \times 9 = 18$

Therefore, C = Sum of A, B, C, D and E – Sum of A and B – Sum of D and E

$$\Rightarrow C = 37.5 - 12 - 18 = 7.5$$

$$\text{Now, average of A, B and C} = \frac{\text{Sum of A and B+C}}{3} = \frac{12+7.5}{3} = \frac{19.5}{3} = 6.5$$

Hence, option C is the correct answer.

71. A

Sol. For least number of square tiles, we will take HCF of given dimensions 12 m 95 cm and 3 m 85 cm.

$$\text{HCF of } 1295 \text{ and } 385 = 35$$

Therefore, the tiles should be of dimension 35 cm \times 35 cm.

$$\text{Required least no. of tiles} = \frac{1295 \times 385}{35 \times 35} = 407$$

Hence, option ___ is the correct answer.

72. B

Sol. Given:

$$\text{Listed price of an article} = \text{Rs. } 15000$$

$$\text{Price after discount of } 12\% = 15000 - 15000 \times 12\% = 15000 - 1800 = \text{Rs. } 13200$$

Additional Discount required to bring the selling price to Rs. 12078

$$= \frac{13200 - 12078}{13200} \times 100 = \frac{1122}{132} = 8.5\%$$

Hence, option B is the correct answer.

73. A

Sol. Given:

$$\text{Capacity of Reservoir} = 126 \text{ kilolitres}$$

$$\text{Depth of reservoir} = 3.5 \text{ m and length} = 8 \text{ m}$$

$$\text{Now, width of reservoir} = \frac{\text{Capacity}}{\text{Depth} \times \text{Length}} = \frac{126}{3.5 \times 8} = 4.5 \text{ m}$$

Hence, option A is the correct answer.

74. C

Sol. Given:

$$\text{Mode} : \text{Median} = 9 : 8$$

$$\text{Let Mode} = 9x, \text{Median} = 8x$$

Now,

$$\text{Mode} = 3 \times \text{Median} - 2 \times \text{Mean}$$

$$\Rightarrow (9x) = 3 \times (8x) - 2 \times \text{Mean}$$

$$\Rightarrow 2 \times \text{Mean} = 24x - 9x$$

$$\Rightarrow 2 \times \text{Mean} = 15x$$

$$\Rightarrow \text{Mean} = (15x)/2 = 7.5x$$

$$\therefore \text{Mean} : \text{Median} = 7.5x : 8x = 15 : 16$$

Hence, option C is the correct answer.

75. A

Sol. Actual ratio = $\frac{1}{4} : \frac{1}{5} : \frac{1}{8}$
 $= \frac{10:8:5}{40} = 10 : 8 : 5$

$$\text{Sum of ratios} = 10 + 8 + 5 = 23$$

$$\text{Actual share of R} = 3910 \times \frac{5}{23} = 850$$

$$\text{Wrong ratio} = 4 : 5 : 8$$

$$\text{Sum of ratios} = 4 + 5 + 8 = 17$$

$$\text{Share given to R by mistake} = 3910 \times \frac{8}{17} = 1840$$

$$\text{Gain of R in this transaction} = 1840 - 850 = \text{Rs. } 990$$

Hence, option A is the correct answer.

76. B

Sol. • Elephants use their tails to keep themselves cool is not true.
• They are the largest existing land animals.

- They are **found in different habitats, including savannahs, forests, deserts and marshes.**
- The **trunk** is used for **breathing, bringing food & water to the mouth and grasping objects.**
- They used **large ear flaps to assist in maintaining a constant body temperature as well as in communication.**
- They are **scattered throughout sub-Saharan Africa, South Asia, and Southeast Asia.**

77. C

- Sol.
- **Financial Sector Assessment Program** is a comprehensive and in-depth analysis of a country's financial sector, done jointly by the World Bank and IMF in developing and emerging market countries.
 - It was **launched in 1999 in the wake of the Asian financial crisis.**
 - It brings **together Bank and Fund expertise to help countries reduce the likelihood & severity of financial sector crises.**
 - It was **designed to strengthen the IMF's capacity to perform financial sector surveillance and to identify emerging financial sector vulnerabilities.**
 - **IMF** is an **international financial institution, headquartered in Washington, D.C.**
 - **World Bank** is an **international organization that provides financing, advice and research to developing nations to help advance their economies.**

78. D

- Sol.
- **Dashain** is the longest and the most important festival in Nepal.
 - It is the **longest and the most auspicious festival in the Bikram Sambat and Nepal Sambat annual calendars.**
 - It is also known as **Dussehra in India** and **Mohani in the Kathmandu Valley.**
 - It is the **most celebrated festival in Nepal** and It is **one of the most ambivalent festivals in the world.**
 - **Nepal** is a **landlocked country in South Asia** and It is **mainly situated in the Himalayas.**

- It is a **multi-ethnic, multi-lingual, multi-religious** and **multi-cultural country**.

79. C

- Sol.
- **Lifetime Achievement Award was presented to Ramesh Sippy at the Filmfare Awards2020.**
 - It is **presented to performers and artists who have made outstanding contributions to the recording industry.**
 - **Ramesh Sippy is best known for directing the popular and critically acclaimed film Sholay.**
 - He founded **Ramesh Sippy Academy of Cinema & Entertainment in Mumbai in 2017.**
 - **Filmfare Awards 2020** ceremony was **held on 15 February 2020 in Guwahati** and **broadcast on Colors TV the following day.**
 - It is the **first time in six decades that a Filmfare ceremony was held outside Mumbai.**

80. B

- Sol.
- **Tooth decay is caused by bacteria.**
 - It is the **destruction of your tooth enamel, the hard, outer layer of teeth.**
 - It happens when **bacteria in the mouth make acids that attack the enamel.**
 - It is also known as **cavities or caries** and It can **cause pain, infection and even tooth loss.**
 - **Bacteria are ubiquitous, mostly free-living organisms often consisting of one biological cell.**
 - They are **small single-celled organisms** and are **found almost everywhere on Earth.**

81. C

- Sol.
- **When dried raisins are placed in a concentrated salt solution, they shrink.**
 - **A concentrated salt solution** is a solution that **contains a high concentration of dissolved salts.**

● **Raisin** is a **dried grapes** and they are **produced commercially** by drying harvested **grape berries**.

- They may be **eaten raw** or **used in cooking, baking and brewing**.
- They contain **15% water, 79% carbohydrates, 3% protein** and **contain negligible fat**.
- They are **naturally sweet** and **high in sugar & calories** but they are **beneficial to our health when eaten in moderation**.

82. A

Sol. ● **Military commanders in Akbar's empire were called faujdars.**

- **Faujdar** is a term of **pre-Mughal origins** and It was a title **awarded to garrison commanders**.
- It was an **office that combined the functions of a military commander along with judicial and land revenue functions**.
- **Bakshi** was **head of the military department of the province under the Mughals**.
- **Kotwals** was a title used in medieval India for the leader of a Kot or fort.
- **Diwan** was the finance minister responsible for the collection of revenue and remittance of it to the imperial treasury.

83. B

Sol. ● **Narmada rivers do not rise in the Nepal Himalayas.**

- It rises from **Amarkantak Plateau** in **Anuppur district Madhya Pradesh**.
- It is the **5th longest river** and **overall longest west-flowing river in India**.
- It is the **largest flowing river of Madhya Pradesh** and the **lifeline of the state of Madhya Pradesh and Gujarat**.
- It is **one of the rivers in India that flows in a rift valley**.
- **Kosi** is a **transboundary river that flows through Tibet, Nepal and India**.

- **Gandak River** is formed by the **union of the Kali and Trisuli rivers** and It **rises in the Great Himalaya Range in Nepal**.
- **Ghaghara** is the **largest tributary of the Ganges by volume** and the **second-longest tributary of the Ganges by length**.

84. D

- Sol.
- **The Marwar plateau is the highest plateau in the world** is NOT true about plateaus.
 - It is the **plateau of eastern Rajasthan**.
 - It is **made up of sandstone, shales and limestones of the Vindhyan period**.
 - **Tibetan Plateau** in East Asia is the **highest and biggest plateau on Earth**.
 - **Deccan Plateau** is a **large plateau in southern India between the Western Ghats and the Eastern Ghats**.
 - It is **triangular in shape** and It **covers an area of about five lakh sq km**.

85. A

- Sol.
- **Gol Gumbaz** is located in the state of **Karnataka**.
 - It was **started in 1626** and was **completed in 1656**.
 - It is the **most famous monument in Vijayapura** and It is the **tomb of Mohammed Adil Shah**.
 - **Bara Imambara** is an **imambara complex in Lucknow, India** built by **Asaf-ud-Daula, Nawab of Awadh in 1784**.
 - **Charminar** is listed among the **most recognised structures in India** and It is **situated on the east bank of the Musi river**.
 - **Qutub Minar** is one of the **most visited tourist spots in the city** due to it being one of the earliest that survives in the Indian subcontinent.

86. C

- Sol.
- **Sodium hydrogen carbonate** is used in **soda-acid fire extinguishers**.
 - It is **commonly known as baking soda** and It is a **chemical compound with the formula NaHCO₃**.

- It reacts **spontaneously with acids**, releasing CO₂ gas as a reaction product.
- It can be **added to local anesthetics**, to speed up the onset of their effects and make their injection less painful.
- It is also a **component of Moffett's solution, used in nasal surgery**.
- It is **used in eye hygiene to treat blepharitis** and It is also **used as an ingredient in some mouthwashes**.

87. D

- Sol. • **The Nanda Devi Fair is organised in the Kumaon region in the month of September every year.**
- It is a **religious fair organized near Nanda Devi temple in Uttarakhand**.
 - It is a **religious festival of Hindu culture** and It is **one of the most important festivals in the region**.
 - It is **organised in many places like Almora, Nainital, Bageshwar, Bhowali, Kot etc.**
 - The **main fair is held at Almora town**, it is **organized since the Chand kings ruled this place**.
 - It is also **organised at Nainital, where a week-long festival is held at Nanda Devi temple**.

88. C

- Sol. • **Murshid Quli Khan was the Nawab of Bengal.**
- He was also known as **Mohammad Hadi** and he **served from 1717 to 1727**.
 - He began his **career in Bengal as the provincial diwan** and ended as the **Nazim or governor of Bengal and Orissa**.
 - He was **by birth a Brahman** and founder of the **nawabi regime in Bengal**.
 - **Bengal** is a **geopolitical, cultural and historical region in South Asia**.
 - It is **divided into Bangladesh to the east and the Indian state of West Bengal**.

89. D

- Sol. • Lewis Hamilton won the Styrian Grand Prix Formula 1 racing championship in July 2020.
• He is regarded as one of the most complete drivers on the grid excelling across a wide range of areas.
• Sebastian Vettel was the youngest driver ever to win the world championship in the 2010 season.
• Max Verstappen is a Belgian-Dutch racing driver and the 2021 Formula One World Champion.
• He became the youngest-ever driver and the first Dutch driver to win a Formula One Grand Prix.

90. A

- Sol. • Fiscal policy deals with the supply of money in the economy and the rate of interest is not true.
• It is the use of government revenue collection and expenditure to influence a country's economy.
• It is the means by which a government adjusts its spending levels and tax rates to monitor and influence a nation's economy.
• There are two types of fiscal policy:
a) Expansionary fiscal policy
b) Contractionary fiscal policy
• There are two key tools of the fiscal policy:
a) Taxation
b) Government spending

91. C

- Sol. • In 1526, Babur defeated Ibrahim Lodi at Panipat and captured Delhi and Agra.
• Babur was the founder of the Mughal Empire in the Indian subcontinent.
• Genghis Khan was the founder and first Great Khan of the Mongol Empire.

- It is now seen as a national hero and founding father of Mongolia.
- Timur was the founder of the Timurid Empire in Persia and Central Asia.
- He was considered as one of the greatest nomadic rulers as he led his military all over the Asian continent.

92. D

- Sol.
- A clinical thermometer reads the temperature from 35°C to 42°C.
 - It is a thermometer used to measure human body temperature.
 - It is accurate and sensitive, having a narrow place where the mercury level rises very fast.
 - It is also called a doctor's thermometer or medical thermometer.
 - The first clinical thermometer was invented by Thomas Clifford Allbutt in 1866.
 - Thermometer is a device that enables you to measure your temperature or temperature gradient.

93. B

- Sol.
- The Indian Parliament passed the Citizenship (Amendment) Bill in the year 2019.
 - It amended the Citizenship Act 1955 by providing a pathway to Indian citizenship for persecuted religious minorities.
 - Citizenship is a relationship between an individual and a state to which the individual owes allegiance and in turn, is entitled to its protection.
 - The Parliament of India is the supreme legislative body of the Republic of India.
 - It is a bicameral legislature composed of the President of India, Lok Sabha and Rajya Sabha.

94. B

- Sol.
- According to the Motor Vehicles Act, 1988, no person under the age of eighteen years shall be granted a learner's license to drive a motorcycle without gear except with the

consent in writing of the person having the care of the person desiring the learner's license.

- The Motor Vehicle Act was implemented on 1st July 1989.
- This act provides detailed guidelines about the registration of Motor vehicles, guidelines on licensing the drivers and conductors,
- It also provides guidelines related to the registration of motor vehicles and drafting provisions on controlling the permits, liabilities, traffic regulations, insurance and penalties.
- It has been made mandatory that every vehicle must have valid Insurance to drive on the road.

95. D

- Sol. ● Nepal is an 'Associate Member' of the ICC (International Cricket Council).
- Afghanistan, Pakistan and Bangladesh are full-time members of the International Cricket Council.
 - There are 106 ICC members, with 12 Full Members and 94 Associate Members as of July 2021.
 - International Cricket Council is the world governing body of cricket.
 - It was founded as the Imperial Cricket Conference in 1909 by representatives from Australia, England and South Africa.
 - The headquarters of the International Cricket Council is in Dubai, UAE.

96. A

- Sol. ● Namami Gange Programme was approved by the Government of India in the year 2014.
- It is an Integrated Conservation Mission, approved as a Flagship Programme.
 - It was signed under Hybrid Annuity PPP mode.
 - It is to accomplish the twin objectives of effective abatement of pollution & conservation and rejuvenation of the National River Ganga.

- It is being operated under the Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti.
- It is being implemented by the National Mission for Clean Ganga.

97. D

- Sol. • The Reserve Bank of India was established in 1935.
• It was founded to respond to economic troubles after the First World War.
• It was set up based on the recommendations of the 1926 Royal Commission on Indian Currency and Finance.
• It is India's central bank and regulatory body.
• It is responsible for the issue and supply of the Indian rupee & the regulation of the Indian banking system.
• It also manages the country's main payment systems and works to promote its economic development.
• It also had full control over monetary policy in the country.

98. B

- Sol. • 'The Adventures of Huckleberry Finn' is a book written by Mark Twain.
• It was first published in the United Kingdom in December 1884 and in the United States in February 1885.
• It is noted for changing the course of children's literature in the United States for the deeply felt portrayal of boyhood.
• It is also known for its colourful description of people and places along the Mississippi River.
• Mark Twain was lauded as the greatest humorist the United States has produced.
• Ruskin Bond is much renowned for his role in promoting children's literature in India.

99. D

- Sol. • The Lokpal and Lokayukta Act was passed by the Government of India to inquire into

allegations of corruption against certain public functionaries.

- It is an **anti-corruption Act of the Indian Parliament in India**.
- **Prevention of Money Laundering Act, 2002** is enacted by the NDA government to prevent money laundering.
- It also provides for the confiscation of property derived from money laundering.
- The act was amended in year **2005, 2009 and 2012**.
- **Central Vigilance Commission Act** provides for the Central Vigilance Commission to conduct inquiries into offences alleged to have been committed under the Prevention of Corruption Act, 1988.

100. D

- Sol.
- JK Rowling is the author of the book 'The Tales of Beedle The Bard'.
 - The Tales of Beedle the Bard is a book of children's stories.
 - It was originally produced in a limited edition of only seven copies, each handwritten and illustrated by J. K. Rowling.
 - It was published for the general public on 4 December 2008.
 - E. B. White was one of the most influential modern American essayists, largely through his work for the New Yorker magazine.
 - Roald Dahl was especially known for his ingenious and irreverent children's books.

Mock Test Solutions in Hindi

Questions

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

The priest's sermon had a calming _____ on everybody.

- A. effect
 - B. change
 - C. study
 - D. chance

2. Identify the segment in the sentence which contains a grammatical error.

Playing in the park is one of the things that small children really love.

3. Select the INCORRECTLY spelt word.

- | | |
|-------------|-----------|
| A. Caused | B. Croton |
| C. Coutious | D. Crayon |

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

DELIBERATE

- | | |
|----------------|---------------|
| A. Thoughtful | B. Illiterate |
| C. Spontaneous | D. Careful |

5. Identify the segment in the sentence which contains a grammatical error.

The sports teacher was elated when his team won the state football championship.

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

PERMANENT

- | | |
|--------------|-------------|
| A. Lasting | B. Stable |
| C. Temporary | D. Constant |

7. 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'.

Thousands of people gathered between the stadium to attend the rally.

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

There are a lot of things that _____ to a healthy lifestyle.

- A. contributing
 - B. contribute
 - C. contributed
 - D. Contributions

9. 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'.

The company has the number of festival offers coming up soon.

- A. No substitution required
 - B. a number of
 - C. an number of
 - D. few number of

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

Dubai is like an oasis _____ the middle of a desert.

- A. to
 - B. in
 - C. on
 - D. over

11. Select the INCORRECTLY spelt word.

- | | |
|-----------|-------------|
| A. Partly | B. Parity |
| C. Paired | D. Prepared |

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

PRACTICAL

- | | |
|----------------|----------------|
| A. Everlasting | B. Sensible |
| C. Applicable | D. Theoretical |

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

HARDLY

- C. Roughly D. Strongly
14. Select the word which means the same as the group of words given

The science or practice of drawing maps

- | | |
|---------------|----------------|
| A. Geology | B. Anthology |
| C. Graphology | D. Cartography |

15. Identify the segment in the sentence which contains a grammatical error.

Much villagers attended the feast hosted by the village panchayat.

16. Select the most appropriate meaning of the given idiom.

Horses for courses

- A. Different people are suited for different jobs
 - B. The same horse can run in different race courses in order to win
 - C. The same person can do many jobs and give good results
 - D. Horses are mainly bred for race courses and are winners

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

In spite of many difficulties we managed to go ahead with our tree plantation drive.

- | | |
|-----------------|------------------|
| A. moments | B. confirmations |
| C. restrictions | D. affirmations |

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

A very steep or overhanging rock face or cliff on a mountain

- | | |
|----------|--------------|
| A. Edge | B. Precipice |
| C. Slope | D. Hill |

19. 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'.

This silver glass will shine if you rub by lemon peel.

- A. No substitution required
 - B. rub it with
 - C. rubbed it by
 - D. rubbing it by

20. Select the most appropriate meaning of the given idiom.

Many a slip between the cup and the lip

- A. The work is going as per plan and must be completed
 - B. The cup is slippery and likely to break if you are not careful
 - C. The tea is too hot and likely to burn the lips
 - D. Bad things may happen before the task is finished

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

The Defence Minister complimented the IAF for its rapid deployment of assets at forward locations (1) _____ response to the border row with China in eastern Ladakh. The current combat readiness has sent a strong message to our (2) _____, he said. In an address to the top commanders of (3) _____ IAF on the opening day of a three-day conference, the defence minister said the nation's resolve to defend its sovereignty (4) _____ firm and that the people of the country have full confidence in the (5) _____ of its armed forces.

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

- A. in
 - B. on
 - C. with
 - D. to

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

- A. messengers
 - B. terrorists
 - C. adversaries
 - D. Friends

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

- A. one
 - B. an
 - C. the
 - D. A

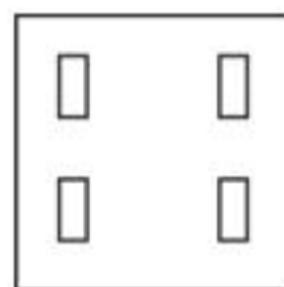
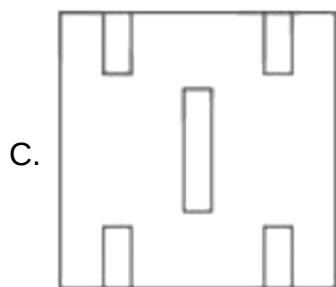
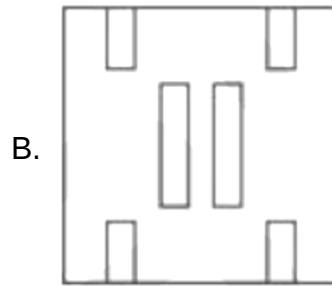
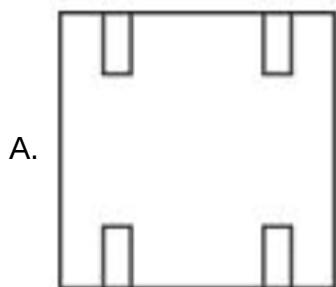
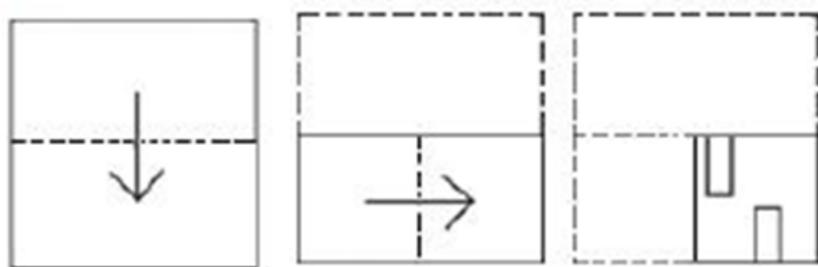
24. Select the most appropriate option to fill in blank no. 4

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

C. sensibility

D. Probability

26. एक कागज को बिंदीदार रेखाओं पर मोड़ा जाता है जैसा कि पहले दो आंकड़ों में दिखाया गया है और तीसरी आकृति में दिखाए अनुसार काटा जाता है। खोले जाने पर यह कैसा दिखाई देगा?



27. निम्नलिखित को तार्किक और सार्थक क्रम में व्यवस्थित करें:

I. असिस्टेंट प्रोफेसर

II. पीजीटी

III. प्रोफेसर

IV. असोसिएट प्रोफेसर

A. I, II, III, IV

B. I, III, IV, II

C. IV, II, I, III

D. III, IV, I, II

28. *चिह्नों को क्रमिक रूप से बदलने और दिए गए समीकरण को संतुलित करने के लिए गणितीय चिह्नों के सही संयोजन का चयन करें।

$$17 * 3 * 6 * 2 * 7 * 55$$

A. $\times, -, \div, +, =$

B. $-, \div, +, \times, =$

C. $\div, +, -, \times, =$

D. $-, +, \div, \times, =$

29. अक्षरों के सही संयोजन का चयन करें जब उन्हें दी गई अक्षर शृंखला के विकृत स्थान में क्रमिक रूप से रखा जाए तो वे शृंखला को पूरा कर दें।

J _ G_K P _ _ PGJ

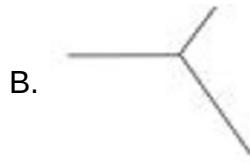
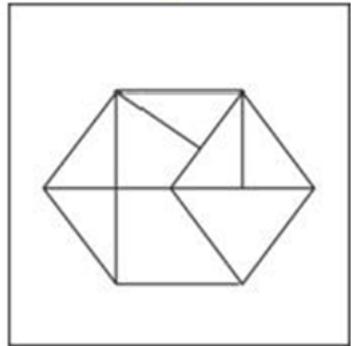
A. GJP KJK

B. PJKGJK

C. KPJGJK

D. KJPGKJ

30. उस विकल्प आकृति का चयन करें जो दी गई आकृति में अंतर्निहित नहीं है (रोटेशन की अनुमति नहीं है)।



31. दो कथन दिए गए हैं, जिसके बाद दो निष्कर्ष दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्य रूप से ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय लें कि कौन सा निष्कर्ष कथनों का तार्किक रूप से अनुसरण करता है।

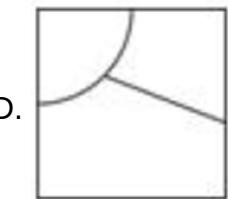
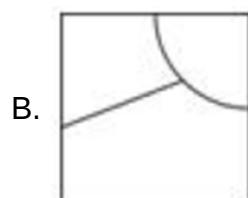
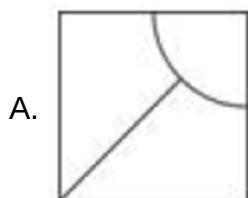
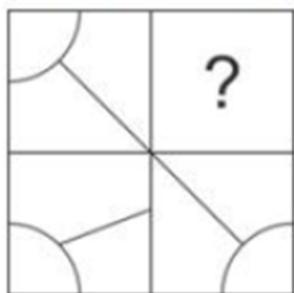
कथन:

- 1) सभी जानवर, सफेद हैं।
- 2) कोई सरीसृप सफेद नहीं है।

निष्कर्ष:

- I. कोई सरीसृप जानवर नहीं है।
- II. कुछ सफेद, जानवर हैं।
A. निष्कर्ष I और II दोनों अनुसरण करते हैं।
C. केवल निष्कर्ष II अनुसरण करता है।
B. केवल निष्कर्ष I अनुसरण करता है।
D. न तो निष्कर्ष I और न ही II अनुसरण करता है।

32. दिए गए पैटर्न के लुप्त भाग को दिए गए विकल्प में से चुनकर पूरा करें।



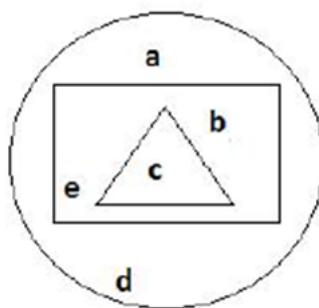
33. उस विकल्प का चयन करें जो तीसरे अक्षर-समूह से उसी प्रकार संबंधित है जैसे दूसरा अक्षर-समूह पहले अक्षर-समूह से संबंधित है:

COLD : GTRK :: MICE : ?

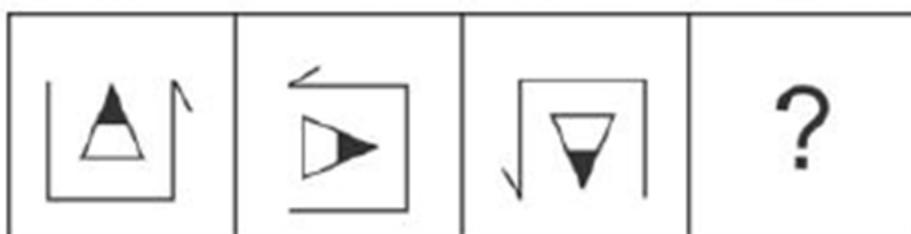
34. दिए गए समीकरण को सही बनाने के लिए किन दो चिन्हों को आपस में बदला जाना चाहिए?

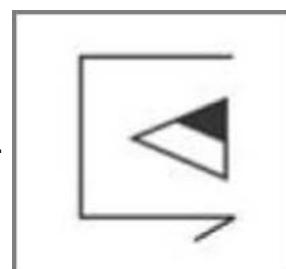
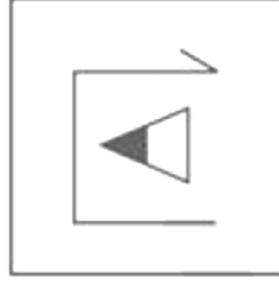
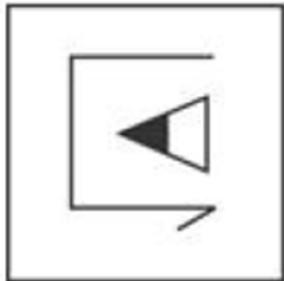
$$8 \times 4 - 7 + 8 \div 2 = 35$$

35. दी गई आकृति में, वृत्त 'बच्चों जो लिख सकते हैं' का प्रतिनिधित्व करता है, आयत 'बच्चों को पढ़ सकता है' का प्रतिनिधित्व करता है और तिरभुज 'बच्चों जो गा सकते हैं' का प्रतिनिधित्व करता है। आकृति का कौन सा भाग 'बच्चे जो लिख सकते हैं लेकिन गा नहीं सकते' को दर्शाता है?



36. विकल्पों में से उस आकृति का चयन करें जो प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित कर सकता है और निम्नलिखित आकृति शृंखला को पूरा कर सकता है।





6, 7, 13, 20, 33, 53, ?

42. उस विकल्प का चयन करें जिसमें संख्या-युग्म वही संबंध साझा नहीं करता है जो दिए गए संख्या-युग्म द्वारा साझा किया गया है।

9 : 738

43. दिए गए विकल्पों में से संख्याओं के उस समुच्चय को चुनिए जो दिए गए समुच्चय के समान है।

(272, 353, 452)

- A. (560, 443, 263) B. (617, 813, 215)
C. (901, 456, 791) D. (459, 781, 972)

44. छ हातर, A, B, C, D, E और F, उत्तर की ओर मुँह करके खड़े हैं, लेकिन जरूरी नहीं कि इसी क्रम में हों। A किसी एक कोने पर है और F उसके सन्निकट है। B, E के ठीक दायें हैं। B दायें छोर से दूसरे स्थान पर है। C, F के सन्निकट नहीं हैं।

दायीं ओर से तीसरे स्थान पर कौन खड़ा है?

45. उस विकल्प का चयन करें जो तीसरे पद से उसी प्रकार संबंधित है जैसे दूसरा पद पहले पद से संबंधित है?

मीठा : खट्टा :: अंत : ?

46. यदि किसी कूट भाषा में 'BEAM' को 'YVZN' लिखा जाता है, तो उसी कूट भाषा में 'HELP' को कैसे लिखा जाएगा?

47. उस विकल्प का चयन करें जो तीसरे पद से उसी प्रकार संबंधित है जैसे दूसरा पद पहले पद से संबंधित है?

वर्गः भुजाःः वृत्तःः ?

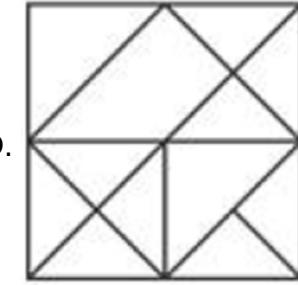
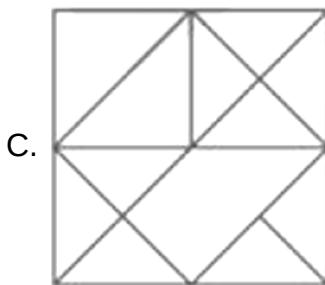
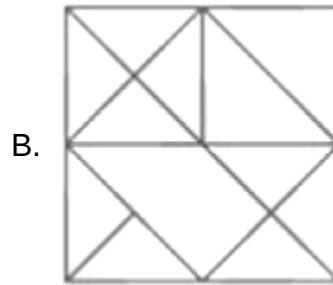
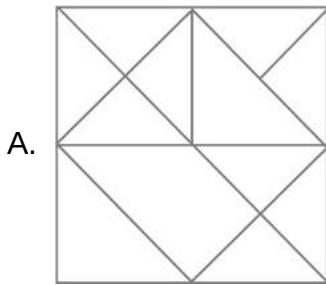
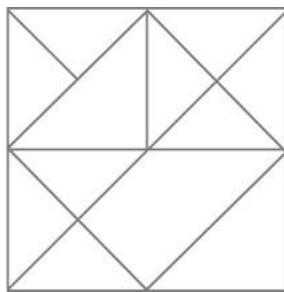
A. क्षेत्रफल

B. चाप

C. त्रिज्या

D. व्यास

48. दी गई आकृति की सही दर्पण छवि का चयन करें जब दर्पण को आकृति के दाँड़ ओर रखा जाता है।



49. एक परिसर में सात पंक्ति के घर हैं, M, N, O, P, Q, R और S, लेकिन जरूरी नहीं कि इसी क्रम में हों। P किसी भी छोर पर नहीं है। R, P के ठीक दायें हैं। S बायें से तीसरा है। O बाएं छोर पर है। M दायें से दूसरे स्थान पर है। O, N के सन्निकट नहीं हैं।

R कहाँ स्थित है?

A. दाएं से चौथा

B. बाएं से दूसरा

C. दाएं अंत पर

D. दाएं से तीसरा

50. तीन कथन दिए गए हैं, जिसके बाद चार निष्कर्ष दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्य रूप से ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय लें कि कौन सा निष्कर्ष कथनों का तार्किक रूप से अनुसरण करता है।

कथन:

- 1) कुछ महिलाएं अच्छा खाना बना सकती हैं।
- 2) सभी महिलाएं जो अच्छी तरह से खाना बना सकती हैं, नर्तक हैं।
- 3) कुछ नर्तक खिलाड़ी हैं।

निष्कर्ष:

I. कोई भी नर्तक अच्छा खाना नहीं बना सकता।

II. कोई नर्तक महिला नहीं है।

III. कुछ खिलाड़ी महिला हैं।

IV. कोई खिलाड़ी महिला नहीं है।

A. या तो निष्कर्ष III या IV अनुसरण करता है।

C. केवल निष्कर्ष III अनुसरण करता है।

B. निष्कर्ष II और IV दोनों अनुसरण करते हैं।

D. निष्कर्ष I और II दोनों अनुसरण करते हैं।

51. दो संख्याएँ A और B एक तीसरी संख्या C से क्रमशः 20% और 56% अधिक हैं। संख्या A से B का अनुपात क्या है?

A. 10 : 13

B. 10 : 17

C. 11 : 13

D. 7 : 11

52. यदि एक शंकु के आधार का व्यास 24 सेमी है और इसकी वक्र सतह का क्षेत्रफल $1395 \frac{3}{7}$ सेमी² है, तो इसकी ऊंचाई क्या है?

(लें $p = \frac{22}{7}$)

A. 35 सेमी

B. 32 सेमी

C. 30 सेमी

D. 36 सेमी

53. बारह वर्ष पहले, अनिल और बिष्णु की आयु का अनुपात 5:12 था, अब से आठ वर्ष बाद उनकी आयु का अनुपात 10:17 होगा। अनिल और बिष्णु की वर्तमान आयु का अनुपात क्या है?

A. 9 : 16

B. 8 : 15

C. 5 : 8

D. 7 : 13

54. A का मासिक वेतन B के मासिक वेतन से 20% अधिक है C का मासिक वेतन B के मासिक वेतन से 25,000 रुपये अधिक है। उनका कुल मासिक वेतन 2,65,000 रुपये है। B का वेतन C के वेतन का कितना प्रतिशत है?

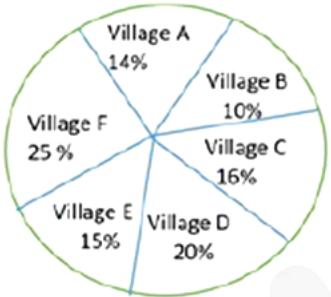
A. 75%

B. 55%

C. 60%

D. 70%

दिया गया चार्ट 2016 में छह ग्रामों A, B, C, D, E और F की आबादी के प्रतिशत वितरण का प्रतिनिधित्व करता है।



Village	Percentage of population below the poverty line
A	30%
B	45%
C	55%
D	60%
E	58%
F	40%

यदि ग्राम D में गरीबी रेखा के नीचे की जनसंख्या 12408 है, तो ग्राम F में गरीबी रेखा के नीचे की जनसंख्या कितनी है?

- A. 10340 B. 10240

C. 10440

D. 10300

59. ग्राम B और E के मध्य कोणों में कितना अंतर है?

A. 22^0 B. 25^0 C. 18^0 D. 15^0

60. यदि ग्राम A में गरीबी रेखा के नीचे की जनसंख्या 42000 है तो ग्राम A में गरीबी रेखा के ऊपर की जनसंख्या कितनी है?

A. 95000

B. 85000

C. 98000

D. 88000

61. A एक कार्य को प्रतिदिन 6 घंटे के लिए 12 दिनों में कर सकता है और B 8 दिनों में प्रतिदिन 7 घंटे के लिए कर सकता है। दिन में 9 घंटे एक साथ कार्य करते हुए वे उस कार्य को करने में कितना समय लेंगे?

A. 4 दिन

B. $\frac{5}{2}$ दिनC. $\frac{9}{2}$ दिनD. $\frac{7}{2}$ दिन

62. एक त्रिभुज का आधार 8.5 सेमी और ऊँचाई 14 सेमी है। दूसरे त्रिभुज की ऊँचाई, जिसका आधार 14 सेमी है और पहले त्रिभुज का क्षेत्रफल दोगुना है, वो _____ है।

A. 17 सेमी

B. 15 सेमी

C. 16 सेमी

D. 14 सेमी

63. यदि एक बेलन की ऊँचाई में 30% की वृद्धि की जाती है और उसके आधार की त्रिज्या में 15% की कमी की जाती है, तो उसके वक्र पृष्ठीय क्षेत्रफल में कितने प्रतिशत परिवर्तन होगा?

A. 10%

B. 12%

C. 8%

D. 10.5%

64. 5 दिनों के लिए बिक्री इस प्रकार दी गई है: 5,000 रुपये, 6,000 रुपये, 8,000 रुपये 7,000 रुपये और 9,000 रुपये। 6 वें दिन बिक्री कितनी होनी चाहिए ताकि औसत 8,500 रुपये हो जाए?

A. 16,000 रुपये

B. 12,000 रुपये

C. 15,000 रुपये

D. 10,000 रुपये

65. एक व्यक्ति अपने गंतव्य पर 32 मिनट देरी से पहुंचता है यदि उसकी गति 6 किमी/घंटा है, और वह समय से 18 मिनट पहले पहुंचता है यदि उसकी गति 7 किमी/घंटा है। उसके आरंभिक बिंदु से उसके गंतव्य की दूरी ज्ञात कीजिए।

A. 28 किमी

B. 30 किमी

C. 32 किमी

D. 35 किमी

66. एक वस्तु को 1,500 रुपये में बेचने पर दोगुना लाभ प्राप्त होता है तो वह लाभ जो उसे 1,350 रुपये में बेचने पर प्राप्त होता है। वस्तु का क्रय मूल्य ज्ञात कीजिए?

A. 1,100 रुपये

B. 1,200 रुपये

C. 1,400 रुपये

D. 1,000 रुपये

67. 12 के $4 \times 2 \div 3$ का मान - $3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$ का 3 है:
- A. $\frac{59}{18}$
B. $\frac{13}{18}$
C. $\frac{67}{18}$
D. $\frac{23}{6}$
68. अनिल कुमार ने रजत को एक वस्तु 25% की हानि पर $15,000$ रुपये में बेची। रजत इसे डेविड को उस कीमत पर बेचता है जिससे अनिल कुमार को 5% का लाभ मिले। रजत द्वारा अर्जित लाभ प्रतिशत कितना है?
- A. 25%
B. 40%
C. 42%
D. 30%
69. एक व्यक्ति ने 6 घंटे में 47 किमी की दूरी तय की। उसने आंशिक रूप से $6\frac{1}{2}$ किमी/घंटा की गति से पैदल यात्रा की और आंशिक रूप से साइकिल पर $8\frac{1}{2}$ किमी/घंटा की गति से यात्रा की। पैदल तय की गई दूरी कितनी है?
- A. 13 किमी
B. 15 किमी
C. 12 किमी
D. 16 किमी
70. पाँच संख्याओं A, B, C, D और E का योग 37.5 है। A और B का औसत 6 है व D और E का औसत 9 है। A, B और C का औसत कितना है?
- A. 7.5
B. 6
C. 6.5
D. 5.5
71. 12 मीटर 95 सेमी लंबे और 3 मीटर 85 सेमी चौड़े एक कमरे की छत को पक्का करने के लिए आवश्यक वर्गाकार टाइलों की न्यूनतम संख्या क्या होगी?
- A. 14225
B. 14245
C. 14000
D. 12425
72. एक वस्तु $15,000$ रुपये पर सूचीबद्ध है और दी जाने वाली छूट 12% है। शुद्ध बिक्री मूल्य को $12,078$ रुपये पर लाने के लिए क्या अतिरिक्त छूट दी जानी चाहिए?
- A. 7.5%
B. 8.5%
C. 9%
D. 8%
73. एक आयताकार जलाशय में 126 किलोलीटर पानी है। जलाशय की गहराई 3.5 मी है और इसकी लंबाई 8 मी है। जलाशय की चौड़ाई कितनी है?
- A. 4.5 मी
B. 4.2 मी
C. 4 मी
D. 5 मी
74. यदि एक निश्चित डेटा के बहुलक और माध्यिका का अनुपात $9:8$ है, तो उसके माध्य और माध्यिका का अनुपात क्या है?
- A. $15 : 17$
B. $13 : 17$
C. $15 : 16$
D. $11 : 15$
75. $3,910$ रुपये को P, Q और R के बीच $\frac{1}{4} : \frac{1}{5} : \frac{1}{8}$ के अनुपात में विभाजित करने के बजाय, गलती से $4: 5: 8$ के अनुपात में विभाजित कर

दिया गया था। इस लेनदेन में R को कितना लाभ हुआ?

A. 990 रुपये

C. 890 रुपये

76. निम्नलिखित कथनों में से कौन सा सत्य नहीं है?

A. हाथी दिन में सिर्फ दो से चार घंटे ही सोते हैं।

C. हाथियों को कीचड़ और पानी से खेलना बहुत पसंद होता है।

77. निम्नलिखित में से कौन सा विकासशील और उभरते बाजार देशों में विश्व बैंक और आईएमएफ द्वारा संयुक्त रूप से किसी देश के वित्तीय क्षेत्र का व्यापक और गहन विश्लेषण है?

A. वित्तीय क्षेत्र का मूल्यांकन और निगरानी

C. वित्तीय क्षेत्र मूल्यांकन कार्यक्रम

78. दशाइन _____ का सबसे लंबा और सबसे महत्वपूर्ण त्योहार है।

A. म्यांमार

C. श्रीलंका

79. निम्नलिखित में से कौन सा पुरस्कार रमेश सिण्णी को फिल्मफेयर अवार्ड्स 2020 में प्रदान किया गया?

A. सर्वश्रेष्ठ निर्देशक

C. लाइफटाइम अचीवमेंट पुरस्कार

80. दांतों की सड़न _____ के कारण होती है।

A. वायरस

C. कवक

81. जब सूखे किशमिश को सांदर नमक के विलयन में रखा जाता है, तो वे _____ जाते हैं।

A. पहले सिकुड़ते हैं फिर फूलते हैं

C. सिकुड़ते हैं

82. अकबर के साम्राज्य में सैन्य कमांडरों को '_____ ' कहा जाता था।

A. फौजदार

C. कोतवाल

E. मनसबदार

83. निम्नलिखित में से कौन सी नदी नेपाल हिमालय से नहीं निकलती है?

A. कोसी

C. गंडक

B. 940 रुपये

D. 900 रुपये

B. हाथी स्वयं को ठंडा रखने के लिए अपनी पूँछ का इस्तेमाल करते हैं।

D. एक वयस्क हाथी एक दिन में 100 किलोग्राम से अधिक पत्ते और टहनियाँ खा सकता है।

B. विकासशील अर्थव्यवस्था वित्तीय लेखा परीक्षा योजना

D. वित्त और सामाजिक-आर्थिक लेखा परीक्षा योजना

B. भूटान

D. नेपाल

79. निम्नलिखित में से कौन सा पुरस्कार रमेश सिण्णी को फिल्मफेयर अवार्ड्स 2020 में प्रदान किया गया?

B. सर्वश्रेष्ठ वास्तविक कहानी

D. सिनेमा में उत्कृष्टता

B. बैकटीरिया

D. प्रोटोजोआ

81. जब सूखे किशमिश को सांदर नमक के विलयन में रखा जाता है, तो वे _____ जाते हैं।

B. फूलते हैं

D. एक ही आकार में रहते हैं

B. बख्ती

D. दीवान

B. नर्मदा

D. घाघरा

E. काली

84. पठारों के बारे में निम्नलिखित में से कौन सा कथन सत्य नहीं है?
- A. दक्कन का पठार भारत के सबसे पुराने पठारों में से एक है।
C. पठार खनिज भंडार से समृद्ध हैं।
- B. पठार एक ऊँची समतल भूमि है।
D. मारवाड़ का पठार विश्व का सबसे ऊँचा पठार है।
85. निम्नलिखित में से कौन सा स्मारक कर्नाटक राज्य में स्थित है?
- A. गोल गुम्बज़
C. चारमीनार
- B. बड़ा इमामबाड़ा
D. कुतुब मीनार
86. कथन को पूरा करें: सोडियम हाइड्रोजन कार्बोनेट का उपयोग _____ में किया जाता है।
- A. जल की स्थायी कठोरता को दूर करने
C. सोडा-एसिड अण्णशामकों
- B. घरेलू उद्देश्यों के लिए सफाई एजेंट के रूप
D. बोरेक्स के निर्माण
87. नंदा देवी मेला कुमाऊं क्षेत्र में प्रत्येक वर्ष _____ के महीने में आयोजित किया जाता है।
- A. दिसंबर
C. फरवरी
- B. मई
D. सितंबर
88. मुर्शिद कुली खान _____ के नवाब थे।
- A. अवध
C. बंगाल
- B. लखनऊ
D. हैदराबाद
89. जुलाई 2020 में स्टायरियन ग्रां प्री फॉर्मूला 1 रेसिंग चैंपियनशिप किसने जीता?
- A. वाल्टेरी बोटास
C. सेबस्टियन वेट्टेल
- B. मैक्स वर्स्टापेन
D. लुईस हैमिल्टन
90. निम्नलिखित कथनों में से कौनसा सत्य नहीं है?
- A. राजकोषीय नीति अर्थव्यवस्था में धन की आपूर्ति और ब्याज दर से संबंधित है।
C. राजकोषीय नीति देश की सामान्य आर्थिक नीति, रणनीति से जुड़ी होती है।
- B. राजकोषीय नीति में कर नीति, व्यय नीति, निवेश या विनिवेश रणनीतियाँ और ऋण या अधिशेष प्रबंधन शामिल हैं।
D. सरकार राजकोषीय नीति से संबंधित है।
91. 1526 में, _____ ने पानीपत में इब्राहिम लोदी को हराया और दिल्ली और आगरा पर कब्जा कर लिया।
- A. चंगेज़ खां
C. बाबर
- B. मीरान शाह
D. तैमूर
92. एक नैदानिक थर्मोमीटर तापमान को _____ तक मापता है।
- A. 25°C से 32°C
C. 32°C से 38°C
- B. 38°C से 48°C
D. 35°C से 42°C
93. भारतीय संसद ने नागरिकता (संशोधन) विधेयक वर्ष _____ में पारित किया।

Solutions

1. A

Sol. Let us understand the meaning of the given words:-

- * Effect = a change that someone/something cause in someone/something
- * Change = the act or result of something becoming different.
- * Study = the activity of learning or gaining knowledge
- * Chance = a possibility of something happening, especially something that you want.

Now let's find out the correct fit for the blank:

- * "Change" is used in context of "result of becoming different". Thus, option B is incorrect.
- * "Study" is used in context of "act of gaining knowledge". Thus, option C is incorrect.
- * "Chance" is used in context of "possibility". Thus, option D is incorrect.
- * "Effect" is used in context of "change induced into someone by something".
- * Here in the given sentence, it is used to mention that the "sermon" delivered by the priest has a soothing impact or change on everyone.

Thus, "Effect" becomes the correct word to fill in the blank.

The correct sentence will be: **The priest's sermon had a calming effect on everybody.**

Hence, **option A** is the correct answer.

2. D

Sol. The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Noun**.

* “One of + the + Plural noun” is the correct structure. We use “one” for one of a larger number. The context of larger number is set by the usage of nouns in plural form.

For example:

One of the shops was open.

* In the given sentence, the activity of “playing” is one thing out of many things that children really love. Thus, we need a plural noun “things” in place of singular noun “thing”.

* Hence, “**one of the things**” is the correct substitution.

Thus, the correct sentence will be: **Playing in the park is one of the things that small children really love.**

3. C

Sol. **Option C has incorrectly spelt word.**

“Cautious” is the correct spelling of the incorrect word “Coutious”. It means being careful about what you say or do especially to avoid danger or mistakes.

The meaning of other words are:

Caused: to make something happen, especially something bad or unpleasant

Croton: a small evergreen tree of the Indo-Pacific region.

Crayon: a colored pencil or stick of soft colored chalk or wax, used for drawing.

4. C

Sol. Let's understand the meaning of the given words:

Deliberate = done on purpose rather than by accident.

E.g.: The speech was a **deliberate** attempt to embarrass the government.

Thoughtful = quiet, because you are thinking.

Illiterate = not knowing how to read or write.

Spontaneous = not planned but done because you suddenly want to do it.

E.g.: The audience burst into **spontaneous** applause.

Careful = giving attention or thought to what you are doing so that you avoid hurting yourself, damaging something.

Hence, **option C** is the correct answer.

5. B

Sol. The sentence is grammatically incorrect, and the error lies in **option B**. The error is related to **Tense**.

* Simple present tense takes only second form of verb as a main verb in active voice.

For example:

Active voice: He **won** a lifetime achievement award for cinematography.

Passive voice: A lifetime achievement award for cinematography **was won** by him.

* In the given sentence, we used second form of verb “won” after the helping verb “was”. This is wrong because it is only possible when the sentence is passive voice but here sentence is in active voice. Thus, only second form of verb should be used.

* Hence, “**won**” is the correct substitution.

Thus, the correct sentence will be:

The sports teacher was elated when his team won the state football championship.

6. C

Sol. Let's understand the meaning of the given words:

Permanent= lasting for a long time or for all time in the future.

E.g.: He was unable to find a **permanent** job.

Lasting = continuing to exist or to have an effect for a long time.

Stable = fixed or steady; not likely to move, change or fall.

Temporary = lasting or intended to last or be used only for a short time.

E.g.: They had to move into **temporary** accommodation.

Constant =happening all the time or repeatedly.

Hence, **option C** is the correct answer.

7. D

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in preposition.

* “Between” as a preposition is used to show in or into the space separating two or more points, objects, people etc.

For example:

The paper had fallen down **between** the desk and the wall.

* “At” as a preposition is used to say where something/someone is or where something happens.

For example:

They arrived late **at** the airport.

I will be **at** home all morning.

* In the underlined sentence, we need a preposition that shows where thousands of people were gathered. Thus, preposition “at” should be used in place of preposition “between”.

* Hence, “**gathered at**” is the correct substitution.

Thus, the correct sentence will be: **Thousands of people gathered at the stadium to attend the rally.**

Hence, **option D** is the correct answer.

8. B

Sol. Let us understand the meaning of the given words:-

* Contributing = is the continuous form of verb “contribute”

* Contribute = means to be one of the causes of something.

* Contributed = is the third form of verb “contribute”

* Contributes = is the singular form of verb “contribute”

Now let's find out the correct fit for the blank:

* “Contributing” is the continuous form of verb. Thus, option A is incorrect.

* “Contributed” is the third form of verb “contribute”. Thus, option C is incorrect.

* “Contributes” is the singular form of verb “contribute” but we need plural form of verb. Thus, option D is incorrect.

- * "Contribute" is the plural form of verb. It means to be one of the causes of something.
- * Here in the given sentence, it is used to mention that there are "lot of things" that causes a lifestyle to be a healthy one.

Thus, "Contribute" becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **There are a lot of things that contribute to a healthy lifestyle.**

Hence, **option B** is the correct answer.

9. B

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in article.

* Article A/An is used in some expressions of quantity. For example: a few, a little, a number of etc.

"A number of + Plural noun" is used to show the large quantity of something.

For example:

A number of concerned people have joined the protest.

* "An" as a definite article is used before the countable nouns (having vowel sounds) that have not been mentioned before.

"A" as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before.

"The" is a definite article. It is before the nouns that are specific.

- * In the underlined sentence, we have erroneously used definite article “the” because we don’t have any specific noun.
- * We need an expression that shows the large quantity of “festival offers”. Thus, article “a” should be used in place of article “the”.
- * Hence, “**a number of**” is the correct substitution.

Thus, the correct sentence will be: **The company has a number of festival offers coming up soon.**

Hence, **option B** is the correct answer.

10. B

Sol. Let us understand the meaning of the given words:-

- * To = (preposition) is used to show “in the direction of something towards something”
- * In =(preposition) is used to show “at a point within an area”
- * On = (preposition) is used to show into a position covering, touching or forming a part of a surface
- * Over = (preposition) is used to show “resting on the surface of someone/something and partly or completely covering them/it.

Now let's find out the correct fit for the blank:

- * “To” as a preposition is used in the context of “direction”. Thus, option A is incorrect.
- * “On” as a preposition is used in the context of “touching a surface”. Thus, option C is incorrect.

- * "Over" as a preposition is used in the context of "resting on a surface". Thus, option D is incorrect.
- * "In" as a preposition is used in the context of "location within an area".
- * Here in the given sentence, it is used to mention the location of "oasis" within a "desert".

Thus, "In" becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **Dubai is like an oasis in the middle of a desert.**

Hence, **option B** is the correct answer.

11. D

Sol. **Option D has incorrectly spelt word.**

"Prepared" is the correct spelling of the incorrect word "Prepaired". It means to make something or someone ready to be used or to do something.

The meaning of other words are:

Partly: to some extent; not completely.

Parity: the state of being equal.

Paired: to put people or things into groups of two.

12. B

Sol. Let's understand the meaning of the given words:

Practical= right or sensible; likely to be successful

E.g.: I soon realized that it would have been more **practical** to walk.

Everlasting = continuing forever; never changing.

Sensible = able to make good judgements based on reason and experience rather than emotion.

E.g.: I think that is a very **sensible** idea.

Applicable = that can be said to be true in the case of someone/something.

Theoretical = connected with the ideas and principles no which a particular subject is based rather than with practice and experiment.

Hence, **option B** is the correct answer.

13. B

Sol. Let's understand the meaning of the given words:

Hardly= almost no; almost not

E.g.: There is **hardly** any tea left in the cup.

Adequately = in a way that is enough in quantity, or good enough in quantity.

Barely = in way that almost does not happen or exist.

E.g.: He **barely** acknowledged her presence.

Roughly = approximately but not exactly.

Strongly = in a way that shows definite and serious opinions or beliefs.

Hence, **option B** is the correct answer.

14. D

Sol. Geology: the scientific study of the physical structure of the earth

Anthology: a collection of poems, stories etc. that have been written by different people and published together in a book.

Graphology: the study of handwriting in order to learn more about someone's character.

Cartography: the art or process of drawing or making maps.

Hence, **option D** is the correct answer.

15. D

Sol. The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Adjective**.

* "Much" as a determiner is used with uncountable nouns, esp. in negative sentences to mean "a large amount of something", or after "how" to ask about the amount of something.

For example:

How **much** water does she needs?

Water is an uncountable noun

* "Many" as a determiner is used with plural countable nouns.

For example:

How **many** children do you have?

Children is a countable noun.

* In the given sentence, "villagers" is a plural countable noun. Thus, "many" should be used in place of "much".

* Hence, "**Many villagers**" is the correct substitution.

Thus, the correct sentence will be: **Many villagers attended the feast hosted by the village panchayat.**

16. A

Sol. The idiom "**horses for courses**" means the act of matching people with suitable jobs or tasks.

Example: Our company does **horses for courses** which eventually helps you in choosing a better career option.

Hence, **option A** is the correct answer.

17. C

Sol. Let us understand the meaning of the given words:-

- * Moments = a very short period of time.
- * Confirmations = a statement, letter etc. that shows something is true, correct or definite.
- * Restrictions = a rule or law that limits what you can do or what can happen.
- * Affirmations = a definite or public statement that something is true or that you support something strongly.

Now let's find out the correct fit for the blank:

- * "Moments" is used in context of "short period of time". Thus, option A is incorrect.
- * "Confirmations" is used in context of "definiteness of something". Thus, option B is incorrect.
- * "Affirmations" is used in context of "supporting something". Thus, option D is incorrect.
- * "Restrictions" is used in context of "limiting something".
- * Here in the given sentence, it is used to mention that despite presence of limitations, "we" managed to move on with their activity of plantation.

Thus, "Restrictions" becomes the correct word to fill in the blank.

The correct sentence will be: **In spite of many restrictions we managed to go ahead with our tree plantation drive.**

Hence, **option C** is the correct answer.

18. B

Sol. Edge: the outside limit of an object, a surface or an area.

Precipice: a very steep side of a high cliff, mountain or rock.

Slope: a surface or piece of land that slopes i.e. is higher at one end than the other.

Hill: an area of land that is higher than the land around it.

Hence, **option B** is the correct answer.

19. B

Sol. **The underlined part of the sentence is grammatically incorrect.**

* Underlined part needs correction in preposition and pronoun.

* Preposition "By" is used for showing how or in what way something is done.

For example:

I will contact you **by** letter.

May I pay **by** credit card?

* Preposition "With" is used to show "using something"

For example:

It is treated **with** acid before being analysed.

Cut it **with** a knife.

* Pronoun “It” is used to refer an animal or thing that has already been mentioned.

For example:

The other room has two beds in **it**.

* In the underlined sentence, we need a preposition that shows the meaning of “using “lemon peel”.

* Preposition “by” does not fit in this sense, only preposition “with” is apt here.

* Also, “silver glass” was already mentioned before the underlined part thus we need a pronoun “It” for this purpose.

* So, “**rub it with**” is the correct substitution.

Thus, the correct sentence will be:

This silver glass will shine if you rub it with lemon peel.

Hence, **option B** is the correct answer.

20. D

Sol. The idiom “**many a slip between the cup and the lip**” means nothing is completely certain until it really happens because things can easily go wrong.

Example: The manager cautioned his team members that there are **many a slip between the cup and the lip**.

Hence, **option D** is the correct answer.

21. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“On” as a preposition is used to show into a position covering, touching or forming a part of a surface. Thus, option B is wrong.

“With” as a preposition is used to show in the company or presence of someone/something. Thus, option C is wrong.

“To” as a preposition is used for “towards something”. Thus, option D is wrong.

“In” as a preposition is used to show the quality or thing that a judgement is being made about. Here in the given sentence, judgement about IAF “response” is being made in context to the ongoing border dispute.

Hence, **option A** is the correct answer.

22. C

Sol. The given passage is about **“Defence Minister speech at IAF’s conference”**.

“Messengers” means a person who gives a message to someone. Thus, option A is wrong.

“Terrorists” means a person who takes part in terrorism. Thus, option B is wrong.

“Friends” means a person you know well and like, and who is not usually a member of your family. Thus, option D is wrong.

“Adversaries” means a person that someone is opposed to and competing with in an argument or battle.

In the given sentence, it is used to mention that IAF’s readiness has shown a solid message to those who are opposing or engaged in altering our borders.

Hence, **option C** is the correct answer.

23. C

Sol. The given passage is about **“Defence Minister speech at IAF’s conference”**.

“One” as a pronoun is used to avoid repeating a noun, when you are referring to someone/something that has already been mentioned. Thus, option A is wrong.

“An” as a definite article is used before the countable nouns (having vowel sounds) that have not been mentioned before. Thus, option B is wrong.

“A” as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before. Thus, option D is wrong.

“The” is a definite article. It is used before the names of institutions.

Here in the given sentence, it is used before IAF i.e., Indian Air Force, which is mentioned as an institution in the paragraph.

Hence, **option C** is the correct answer.

24. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“Were standing” is used in past continuous tense. Thus, option B is wrong.

“Standing” is the continuous form of verb. Thus, option C is wrong.

“Is stood” is an incorrect verb phrase because second form of verb is used after the helping verb “is”. Thus, option D is wrong.

“Stands” is singular verb. It means to be in a particular condition or situation.

Here in the given sentence, it is used for singular subject “nation’s resolve”.

Hence, **option A** is the correct answer.

25. A

Sol. The given passage is about “**Defence Minister speech at IAF’s conference**”.

“Availability” means the fact that something is possible to get, buy or find. Thus, option B is wrong.

“Sensibility” means the ability to experience and understand deep feelings. Thus, option C is wrong.

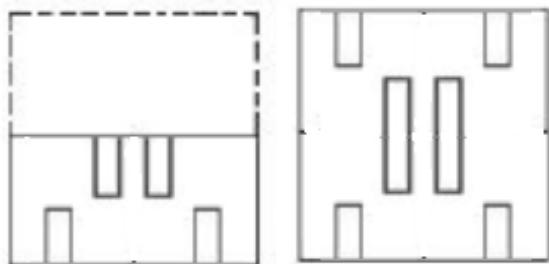
“Probability” means how likely something is to happen. Thus, option D is wrong.

“Capability” means the ability or qualities necessary to do something.

Here in the given sentence, it is used to mention about the “ability of armed forces” of India.
Hence, **option A** is the correct answer.

26. B

Sol. जब कागज की शीट खोली जाती है तो वह नीचे दिखाए अनुसार दिखाई देगी:



अतः विकल्प B सही उत्तर है।

27. D

Sol. शैक्षणिक रैंक के अनुसार उच्च से निम्न क्रम है:

III. प्रोफेसर

IV. असोसिएट प्रोफेसर

I. असिस्टेंट प्रोफेसर

II. पीजीटी

अतः विकल्प D सही उत्तर है।

28. A

Sol. समीकरण में चिह्नों को स्थापित करने के बाद हम प्राप्त करते हैं:

$$17 \times 3 - 6 \div 2 + 7 = 55$$

L.H.S को हल करने पर हम प्राप्त करते हैं:

$$\rightarrow 51 - 3 + 7$$

$$\rightarrow 51 + 4 \Rightarrow 55$$

तो, L.H.S = R.H.S

अतः विकल्प A सही उत्तर है।

29. C

Sol. यहाँ अक्षरों का सेट 'JKPG' दोहरा गया है।

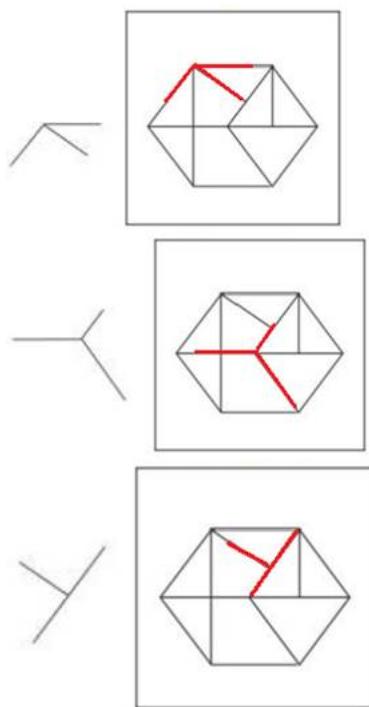
J K P G/ J KP G/ J K PG/ J

अतः संयोजन का सेट है: KPJGJK

अतः विकल्प C सही उत्तर है।

30. C

Sol. विकल्प (A), (B) और (D) में दिए गए आंकड़े क्रमशः दिए गए प्रश्न आकृति में पूरी तरह से अंतर्निहित हैं जैसा कि नीचे दिखाया गया है:

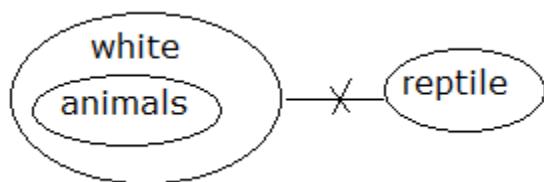


लेकिन, विकल्प (C) में दिया गया आंकड़ा दिए गए प्रश्न आकृति में फिट नहीं होता है।

अतः विकल्प C सही उत्तर है।

31. A

Sol. कम से कम संभव वेन-आरेख होगा:



निष्कर्षः

- I. कोई सरीसृप जानवर नहीं है— यह एक निश्चित स्थिति है, इसलिए यह सत्य है।

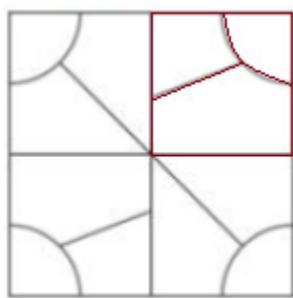
II. कुछ सफेद, जानवर हैं। - यह एक निश्चित स्थिति है, इसलिए यह सत्य है।

इसलिए, निष्कर्ष । और II. दोनों अनुसरण करते हैं।

अतः विकल्प A सही उत्तर है।

32. B

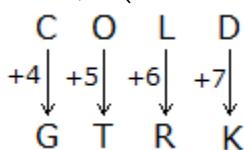
Sol. विकल्प (B) में दी गई आकृति निम्नलिखित पैटर्न को पूरा करती है:



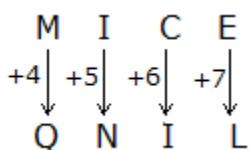
अतः विकल्प B सही उत्तर है।

33. C

Sol. पैटर्न इस प्रकार है:



इसी प्रकार,



अतः विकल्प C सही उत्तर है।

34. A

Sol. दो चिन्हों को बदलने के बाद समीकरण बन जाता है:

$$8 \times 4 + 7 - 8 \div 2 = 35$$

L.H.S हल करने पर;

$$\rightarrow 32 + 7 - 4$$

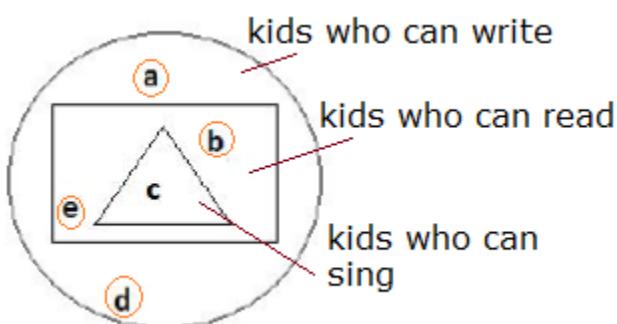
$$\rightarrow 39 - 4 \Rightarrow 35$$

अतः L.H.S = R.H.S

अतः विकल्प A सही उत्तर है।

35. A

Sol. निम्नलिखित आरेखीय निरूपण है:



इस प्रकार, यह स्पष्ट है कि a, b, e और d क्षेत्र 'उन बच्चों का प्रतिनिधित्व करते हैं जो लिख सकते हैं लेकिन गा नहीं सकते'.

अतः विकल्प A सही उत्तर है।

36. A

Sol. तर्क: आंतरिक आकृति जो अर्ध-छायांकित त्रिभुज है, 90° दाई ओर घूम रही है जबकि बाहरी आकृति 90° बाई ओर घूम रही है।



अतः विकल्प A सही उत्तर है।

37. B

Sol. यहाँ इन शब्दों के लिए संख्या कूट है:

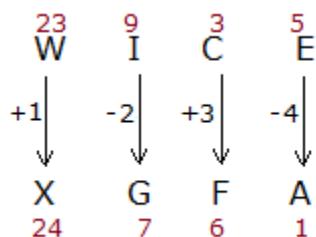
you	2 or 4
are	2 or 4
fool	7
Rohan	3
is	1
Riya	8 or 9
likes	8 or 9

यह स्पष्ट है कि 'Riya' के लिए कूट या तो 8 या 9 होगा, और विकल्प (B) में 9 दिया गया है।

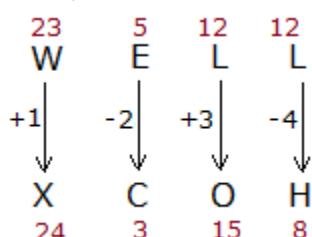
अतः विकल्प B सही उत्तर है।

38. C

Sol. पैटर्न इस प्रकार है:



इसी प्रकार,



अतः विकल्प C सही उत्तर है।

39. C

Sol. पैटर्न इस प्रकार है:

$$5 \times 6 = 30$$

$$6 \times 7 = 42$$

$$7 \times 8 = 56$$

$$8 \times 9 = 72$$

$$9 \times 10 = 90$$

$$10 \times 11 = 110$$

अतः विकल्प C सही उत्तर है।

40. D

Sol. यहाँ इन शब्दों के लिए संख्या कूट है:

God	7
is	2
great	4
I	1 or 3
worship	1 or 3
omnipotent	5

अतः विकल्प D सही उत्तर है।

41. B

Sol. पैटर्न इस प्रकार है:

$$6 + 7 = 13$$

$$7 + 13 = 20$$

$$13 + 20 = 33$$

$$20 + 33 = 53$$

$$33 + 53 = 86$$

अतः विकल्प B सही उत्तर है।

42. B

Sol. पैटर्न इस प्रकार है:

$$9^3 + 9 = 729 + 9 = 738$$

संख्या युग्म द्वारा समान पैटर्न का अनुसरण किया जाता है:

$$6^3 + 6 = 216 + 6 = 222$$

$$7^3 + 7 = 343 + 7 = 350$$

$$4^3 + 4 = 64 + 4 = 68$$

लेकिन,

$$8^3 + 8 = 512 + 8 = 520 \text{ है } 157 \text{ नहीं}$$

इसलिए संख्या युग्म (8 : 157) शेष से भिन्न है।

अतः विकल्प B सही उत्तर है।

43. A

Sol. पैटर्न इस प्रकार है: समुच्चय में तीन संख्याओं के अंकों का योग 11 के बराबर होता है।

इसलिए संख्या समुच्चय में (272, 353, 452)

$$2+7+2 = 11$$

$$3+5+3 = 11$$

$$4+5+2 = 11$$

इसी तरह का पैटर्न संख्या समुच्चय (560, 443, 263) में देखा जाता है

$$5+6+0 = 11$$

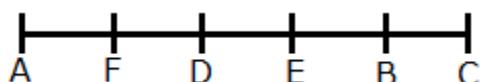
$$4+4+3 = 11$$

$$2+6+3 = 11$$

अतः विकल्प A सही उत्तर है।

44. A

Sol. दी गई जानकारी के अनुसार व्यवस्था होगी;



स्पष्ट रूप से, 'E' दाय়ीं ओर से तीसरे स्थान पर खड़ा है।

अतः विकल्प A सही उत्तर है।

45. C

Sol. मीठा और खट्टा एक साथ एक खाद्य स्वाद का वर्णन करने के लिए प्रयोग किया जाता है जिसमें नींबू के स्वाद के रूप में कुछ मीठा और खट्टा दोनों होता है।

अतः विकल्प C सही उत्तर है।

46. B

Sol. तर्क; यहाँ कूटबद्ध अक्षर वर्णक्रम में उनकी स्थिति के अनुसार दिए गए अक्षरों के विपरीत अक्षर हैं। इस प्रकार,

A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

हम ऊपर से विपरीत अक्षर युग्म देख सकते हैं; इसलिए निम्न का कोड़:

HELP -> SVOK

अतः विकल्प B सही उत्तर है।

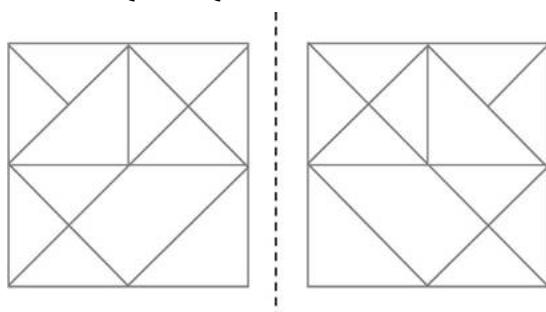
47. B

Sol. एक वर्ग की चार भुजाएँ होती हैं उसी प्रकार वृत्त की परिधि का कोई भी अखंड भाग चाप कहलाता है।

अतः विकल्प B सही उत्तर है।

48. A

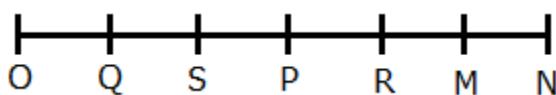
Sol. दर्पण की सही छवि होगी:



अतः विकल्प A सही उत्तर है।

49. D

Sol. दी गई जानकारी के अनुसार व्यवस्था होगी:

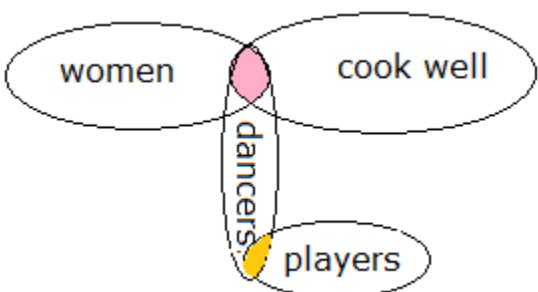


स्पष्ट रूप से, दाएं अंत से 'R' तीसरा है।

अतः विकल्प D सही उत्तर है।

50. A

Sol. दिए गए कथनों के अनुसार वेन-आरेख नीचे दिखाया जाएगा:



निष्कर्षः

I. कोई भी नर्तक अच्छा खाना नहीं बना सकता - यह निश्चित स्थिति नहीं है, इसलिए असत्य है।

II. कोई नर्तक महिला नहीं है - यह एक निश्चित स्थिति नहीं है, इसलिए असत्य है।

III. कुछ खिलाड़ी महिलाएं हैं - यह निश्चित स्थिति नहीं है, इसलिए असत्य है।

IV. कोई खिलाड़ी महिला नहीं है - यह निश्चित स्थिति नहीं है, इसलिए असत्य है।

लेकिन, निष्कर्ष III और IV में पूरक जोड़े हैं, इसलिए III या IV निम्नानुसार है।

अतः विकल्प A सही उत्तर है।

51. A

Sol. दिया गया है की:

क्रमशः A और B एक तीसरी संख्या C से 20% और 56% अधिक हैं।

माना C, x के बराबर है।

$$\text{तो, } A = (x) + (x) \times 20\% = x + 0.20x = 1.2x$$

$$\text{और } B = (x) + (x) \times 56\% = x + 0.56x = 1.56x$$

अब, A : B

$$1.2x : 1.56x$$

$$10 : 13$$

अतः विकल्प A सही उत्तर है।

52. A

Sol. दिया गया है की:

शंकु के आधार का व्यास = 24 सेमी

$$\text{त्रिज्या} = 24/2 = 12 \text{ सेमी}$$

$$\text{तथा वक्र पृष्ठीय क्षेत्रफल} = 1395 \frac{3}{7} \text{सेमी}^2$$

$$\Rightarrow prl = 1395 \frac{3}{7}$$

$$\Rightarrow \frac{22}{7} \times 12 \times (l) = \frac{9768}{7}$$

$$\Rightarrow l = \frac{9768 \times 7}{7 \times 22 \times 12}$$

$$\Rightarrow l = 37 \text{ सेमी}$$

$$\text{अब, शंकु की ऊँचाई } (h) = \sqrt{l^2 - r^2}$$

$$\Rightarrow h = \sqrt{37^2 - 12^2}$$

$$\Rightarrow h = \sqrt{1369 - 144}$$

$$\Rightarrow h = \sqrt{1225}$$

$$\Rightarrow h = 35 \text{ सेमी}$$

अतः विकल्प A सही उत्तर है।

53. B

Sol. माना 12 वर्ष पूर्व अनिल की आयु $5x$ वर्ष थी।

$$\text{तो, } 12 \text{ वर्ष पूर्व विष्णु की आयु} = (5x) \times \frac{12}{5} = 12x \text{ वर्ष।}$$

अब से 8 वर्ष बाद अनिल और विष्णु की आयु का अनुपात $= 10 : 17$

$$\Rightarrow \frac{5x+12+8}{12x+12+8} = \frac{10}{17}$$

$$\Rightarrow \frac{5x+20}{12x+20} = \frac{10}{17}$$

$$\Rightarrow 85x + 340 = 120x + 200$$

$$\Rightarrow 120x - 85x = 340 - 200$$

$$\Rightarrow 35x = 140$$

$$\Rightarrow x = 140/35 = 4$$

$$\text{अनिल की वर्तमान आयु} = 5 \times 4 + 12 = 32 \text{ वर्ष}$$

और विष्णु की वर्तमान आयु = $12 \times 5 + 12 = 60$ वर्ष।

राज और विष्णु की वर्तमान आयु का अनुपात = $32: 60 = 8: 15$

अतः विकल्प B सही उत्तर है।

54. A

Sol. माना B का मासिक वेतन x रुपये है।

तो, A का मासिक वेतन = $(x) + (x) \times 20\% = x + 0.20x = 1.2x$ रुपये

और C का मासिक वेतन = $(x + 25000)$ रुपये

अब, A, B और C का कुल मासिक वेतन = 265000 रुपये (दिया गया)।

$$\Rightarrow 1.2x + x + x + 25000 = 265000$$

$$\Rightarrow 3.2x = 265000 - 25000$$

$$\Rightarrow x = 240000/3.2 = 75000$$

अतः B का वेतन = $x = 75000$ रुपये

और C का वेतन = $75000 + 25000 = 100000$ रुपये

$$\text{अभीष्ट प्रतिशत} = \frac{75000}{100000} \times 100 = 75\%$$

अतः विकल्प A सही उत्तर है।

55. B

Sol. दिया गया है की:

मूलधन = 12600 रुपये, ब्याज दर = 20% प्रतिवर्ष या 10% प्रति अवधि ($20\%/2$)

और समय = 1.5 वर्ष या 3 अवधि (1.5×2)

$$\text{चक्रवृद्धि ब्याज} = \text{मूलधन} \times \left(1 + \frac{r}{100}\right)^t - \text{मूलधन}$$

$$= 12600 \times \left(1 + \frac{10}{100}\right)^3 - 12600$$

$$= 12600 \times (1.1)^3 - 12600$$

$$= 12600 \times 1.331 - 12600$$

$$= 16770.6 - 12600$$

$$= 4170.6 \text{ रुपये} \approx 4171 \text{ रुपये}$$

अतः विकल्प B सही उत्तर है।

56. C

Sol. दिया गया है की :

गोपाल को दी गई राशि = 3 वर्ष के लिए 7500 रुपये और सचिन को दी गई राशि = 4 वर्ष के लिए उसी ब्याज दर पर 5000 रुपये है।

माना ब्याज दर $x\%$ है।

तो, गोपाल को दी गई राशि पर ब्याज = मूलधन \times दर \times समय

$$= 7500 \times (x)\% \times 3 = 225 \text{ रुपये } x$$

और सचिन को दी गई राशि पर ब्याज = मूलधन \times दर \times समय

$$= 5000 \times (x)\% \times 4 = 200 \text{ रुपये } x$$

कुल ब्याज = 3570 रुपये (दिया गया है)

$$\Rightarrow 225x + 200x = 3570$$

$$\Rightarrow 425x = 3570$$

$$\Rightarrow x = 3570/425 = 8.4$$

अब, सचिन द्वारा दिया गया ब्याज = $200 \times 8.4 = 1680$ रुपये

अतः विकल्प C सही उत्तर है।

57. C

Sol. Given:

वरुण 28 दिनों में एक कार्य कर सकता है।

माना वरुण की दक्षता x इकाई/दिन है।

तो, सर्वेक्षण की दक्षता $= x + (x) \times 40\% = x + 0.4x = 1.4x$ इकाई/दिन

और कुल कार्य $=$ दक्षता \times समय $= (x) \times 28 = 28x$ इकाई

अब, सर्वेश द्वारा कार्य को पूरा करने में लिया गया समय,

$=$ कुल कार्य/दक्षता $= 28x/1.4x = 20$ दिन

अतः विकल्प C सही उत्तर है।

58. A

Sol. दिया गया है की:

ग्राम D में गरीबी रेखा के नीचे की जनसंख्या $= 12408$

ग्राम D की कुल जनसंख्या $= 12408/60\% = 20680$

अब, ग्राम F की जनसंख्या $= 20680 \times \frac{25\%}{20\%} = 25850$

अब, ग्राम F में गरीबी रेखा के नीचे की जनसंख्या $= 25850 \times 40\% = 10340$

अतः विकल्प A सही उत्तर है।

59. C

Sol. ग्राम B का मध्य कोण $= 360^\circ \times 10\% = 36^\circ$

ग्राम E का मध्य कोण $= 360^\circ \times 15\% = 54^\circ$

ग्राम B और E के केंद्रीय कोणों में अंतर $= 54^\circ - 36^\circ = 18^\circ$

अतः विकल्प C सही उत्तर है।

60. C

Sol. दिया गया है की:

ग्राम A में गरीबी रेखा के नीचे की जनसंख्या $= 42000$

ग्राम A की कुल जनसंख्या = $42000/30\% = 140000$

अतः ग्राम A में गरीबी रेखा से ऊपर की जनसंख्या = $140000 - 42000 = 98000$

अतः विकल्प C सही उत्तर है।

61. D

Sol. माना कुल कार्य 504 इकाई है।

$$\text{तो, } A \text{ की दक्षता} = \frac{504}{12 \times 6} = 7 \text{ इकाई/घंटा}$$

$$\text{और } B \text{ की दक्षता} = \frac{504}{8 \times 7} = 9 \text{ इकाई/घंटा}$$

$$A \text{ और } B \text{ की संयुक्त दक्षता} = 7 + 9 = 16 \text{ इकाई/घंटा}$$

पूरे कार्य को एक साथ प्रतिदिन 9 घंटे में पूरा करने में उनके द्वारा लिया गया समय

$$= \frac{504}{16 \times 9} = \frac{7}{2} \text{ दिन}$$

अतः विकल्प D सही उत्तर है।

62. A

Sol. दिया गया है की:

त्रिभुज का आधार = 8.5 सेमी और ऊँचाई = 14 सेमी

$$\text{अतः, त्रिभुज का क्षेत्रफल} = \frac{1}{2} \times 8.5 \times 14 = 59.5 \text{ सेमी}^2$$

अब, एक अन्य त्रिभुज का क्षेत्रफल = 2×59.5

$$\Rightarrow \frac{1}{2} \times 14 \times \text{ऊँचाई} = 119$$

$$\Rightarrow \text{ऊँचाई} = 119/7 = 17 \text{ सेमी}$$

इसलिए, दूसरे त्रिभुज की ऊँचाई 17 सेमी है।

अतः विकल्प A सही उत्तर है।

63. D

Sol. माना बेलन की प्रारंभिक ऊँचाई 'h' सेमी और आधार की त्रिज्या 'r' सेमी है।

इसलिए, इसका प्रारंभिक वक्र पृष्ठीय क्षेत्रफल = $2\pi rh$ सेमी 2

अब, बढ़ी हुई ऊँचाई = $(h) + (h) \times 30\% = h + 0.3h = 1.3h$ सेमी

और आधार की घटी हुई त्रिज्या = $(r) - (r) \times 15\% = r - 0.15r = 0.85r$ सेमी

अब, नया वक्र पृष्ठीय क्षेत्रफल = $2\pi \times (0.85r) \times (1.3h) = 2.21\pi rh$

बेलन के वक्र पृष्ठीय क्षेत्रफल में प्रतिशत परिवर्तन

$$= \frac{2.21\pi rh - 2\pi rh}{2\pi rh} \times 100 = \frac{0.21\pi rh}{2\pi rh} \times 100$$

$$= 10.5\%$$

अतः विकल्प D सही उत्तर है।

64. A

Sol. दिया गया है की:

5 दिनों की बिक्री = 5,000 रुपये, 6,000 रुपये, 8,000 रुपये 7,000 रुपये और 9,000 रुपये

5 दिनों में कुल बिक्री = $5000 + 6000 + 8000 + 7000 + 9000 = 35000$ रुपये

8500 रुपये/दिन के औसत के लिए आवश्यक कुल बिक्री = $6 \times 8500 = 51000$ रुपये

इसलिए, 6वें दिन अपेक्षित बिक्री = $51000 - 35000 = 16000$ रुपये

अतः विकल्प A सही उत्तर है।

65. D

Sol. माना कि उसके आरंभिक बिंदु से उसके गंतव्य की दूरी x किमी है।

तो, प्रश्न के अनुसार,

$$\frac{x}{6} - \frac{32}{60} = \frac{x}{7} + \frac{18}{60}$$

$$\Rightarrow \frac{x}{6} - \frac{8}{15} = \frac{x}{7} + \frac{3}{10}$$

$$\Rightarrow \frac{5x-16}{30} = \frac{10x+21}{70}$$

$$\Rightarrow 350x - 1120 = 300x + 630$$

$$\Rightarrow 350x - 300x = 630 + 1120$$

$$\Rightarrow 50x = 1750$$

$$\Rightarrow x = 1750/50 = 35$$

इसलिए उसके आरंभिक बिंदु से उसके गंतव्य की दूरी 35 किमी है।

अतः विकल्प D सही उत्तर है।

66. B

Sol. माना वस्तु का क्रय मूल्य x रुपये है।

तो, प्रश्न के अनुसार,

इसे 1500 रुपये में बेचने पर प्राप्त लाभ = $2 \times (\text{इसे } 1,350 \text{ रुपये में बेचने पर प्राप्त लाभ})$

$$\Rightarrow 1500 - x = 2 \times (1350 - x)$$

$$\Rightarrow 1500 - x = 2700 - 2x$$

$$\Rightarrow 2x - x = 2700 - 1500$$

$$\Rightarrow x = 1200$$

इसलिए, वस्तु का क्रय मूल्य 1200 रुपये है।

अतः विकल्प B सही उत्तर है।

67. C

Sol. $4 \times 2 \div 12$ का $3 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 3$ का 2

$$= 4 \times 2 \div 36 - 3 \div 2 \times (-1) \times 2 + 3 \div 6$$

$$= 4 \times \frac{1}{18} - \frac{3}{2} \times (-1) \times 2 + \frac{1}{2}$$

$$= \frac{2}{9} + 3 + \frac{1}{2}$$

$$= \frac{4 + 54 + 9}{18} = \frac{67}{18}$$

अतः विकल्प C सही उत्तर है।

68. B

Sol. दिया गया है की:

अनिल कुमार ने रजत को एक वस्तु 25% की हानि पर 15,000 रुपये में बेची।

$$\text{इसलिए, अनिल कुमार का क्रय मूल्य} = \frac{15000}{(100-25)\%} = \frac{15000}{75\%} = 20000 \text{ रुपये}$$

$$\text{अब, रजत का विक्रय मूल्य} = 20000 + 20000 \times 5\% = 20000 + 1000 = 21000 \text{ रुपये}$$

$$\text{रजत के लिए लाभ (\% में)} = \frac{21000 - 15000}{15000} \times 100 = \frac{6000}{15000} \times 100 = 40\%$$

अतः विकल्प B सही उत्तर है।

69. A

Sol. माना पैदल तय की गई दूरी x किमी है।

$$\text{तो, साइकिल से तय की गई दूरी} = (47 - x) \text{ किमी}$$

अब, प्रश्न के अनुसार,

लिया गया कुल समय = 6 घंटे

\Rightarrow पैदल चलने में लगा समय + साइकिल पर लगने वाला समय = 6 घंटे

$$\Rightarrow \frac{x}{6\frac{1}{2}} + \frac{47-x}{8\frac{1}{2}} = 6$$

$$\Rightarrow \frac{2x}{13} + \frac{2(47-x)}{17} = 6$$

$$\Rightarrow \frac{2x}{13} + \frac{94-2x}{17} = 6$$

$$\Rightarrow \frac{34x+1222-26x}{221} = 6$$

$$\Rightarrow 8x + 1222 = 1326$$

$$\Rightarrow 8x = 1326 - 1222$$

$$\Rightarrow x = 104/8 = 13$$

इसलिए, पैदल यात्रा की दूरी 13 किमी है।

अतः विकल्प A सही उत्तर है।

70. C

Sol. दिया गया है की:

पाँच संख्याओं A, B, C, D और E का योग = 37.5

A और B का औसत = 6,

और D व E का औसत = 9

A और B का योग = $2 \times 6 = 12$

D और E का योग = $2 \times 9 = 18$

इसलिए, C = A, B, C, D और E का योग - A और B का योग - D और E का योग

$$\Rightarrow C = 37.5 - 12 - 18 = 7.5$$

अब, A, B और C का औसत = $\frac{A \text{ का योग और } B+C}{3} = \frac{12+7.5}{3} = \frac{19.5}{3} = 6.5$

अतः विकल्प C सही उत्तर है।

71. A

Sol. कम से कम वर्गाकार टाइलों की संख्या के लिए, हम दिए गए आयामों का HCF 12 मीटर 95 सेमी और 3 मीटर 85 सेमी लेंगे।

1295 और 385 का HCF = 35

इसलिए, टाइलें $35 \text{ सेमी} \times 35 \text{ सेमी}$ आयाम की होनी चाहिए।

अपेक्षित न्यूनतम टाइलों की संख्या = $\frac{1295 \times 385}{35 \times 35} = 407$

अतः विकल्प ____ सही उत्तर है।

72. B

Sol. दिया गया है की:

वस्तु का सूचीबद्ध मूल्य = 15000 रुपये

12% की छूट के बाद मूल्य = $15000 - 15000 \times 12\% = 15000 - 1800 = 13200$ रुपये

बिक्री मूल्य को 12078 रुपये तक लाने के लिए अतिरिक्त छूट की आवश्यकता है।

$$= \frac{13200 - 12078}{13200} \times 100 = \frac{1122}{132} = 8.5\%$$

अतः विकल्प B सही उत्तर है।

73. A

Sol. दिया गया है की:

जलाशय की क्षमता = 126 किलोलीटर

जलाशय की गहराई = 3.5 मी और लंबाई = 8 मी

$$\text{अब, जलाशय की चौड़ाई} = \frac{\text{Capacity}}{\text{Depth} \times \text{Length}} = \frac{126}{3.5 \times 8} = 4.5 \text{ मी}$$

अतः विकल्प A सही उत्तर है।

74. C

Sol. दिया गया है की:

बहुलक : माध्यिका = 9 : 8

माना बहुलक = $9x$, माध्यिका = $8x$

अब,

बहुलक = $3 \times$ माध्यिका - $2 \times$ माध्य

$$\Rightarrow (9x) = 3 \times (8x) - 2 \times \text{माध्य}$$

$$\Rightarrow 2 \times \text{माध्य} = 24x - 9x$$

$$\Rightarrow 2 \times \text{माध्य} = 15x$$

$$\Rightarrow \text{माध्य} = (15x)/2 = 7.5x$$

$$\therefore \text{माध्य : माध्यिका} = 7.5x : 8x = 15 : 16$$

अतः, विकल्प C सही उत्तर है।

75. A

Sol. वास्तविक अनुपात = $\frac{1}{4} : \frac{1}{5} : \frac{1}{8}$

$$= \frac{10:8:5}{40} = 10 : 8 : 5$$

$$\text{अनुपातों का योग} = 10 + 8 + 5 = 23$$

$$R \text{ का वास्तविक हिस्सा} = 3910 \times \frac{5}{23} = 850$$

$$\text{गलत अनुपात} = 4:5:8$$

$$\text{अनुपातों का योग} = 4 + 5 + 8 = 17$$

$$\text{गलती से } R \text{ को दिया गया हिस्सा} = 3910 \times \frac{8}{17} = 1840$$

$$\text{इस लेन-देन में } R \text{ का लाभ} = 1840 - 850 = 990 \text{ रुपये}$$

अतः विकल्प A सही उत्तर है।

76. B

Sol. • हाथी स्वयं को ठंडा रखने के लिए अपनी पूँछ का इस्तेमाल करते हैं यह सच नहीं है।

• वे भूमि पर रहने वाले सबसे बड़े जानवर हैं।

• वे सवाना, जंगल, रेगिस्तान और दलदल सहित विभिन्न आवासों में पाए जाते हैं।

• सूँड का उपयोग सांस लेने, भोजन और पानी को मुँह में लाने और वस्तुओं को पकड़ने के लिए किया जाता है।

• वे लगातार शरीर के तापमान को बनाए रखने के साथ-साथ संचार में सहायता के लिए बड़े लटके हुए कान का उपयोग करते हैं।

• वे पूरे उप-सहारा अफ्रीका, दक्षिण एशिया और दक्षिण पूर्व एशिया में बिखरे हुए हैं।

77. C

Sol. • वित्तीय क्षेत्र मूल्यांकन कार्यक्रम किसी देश के वित्तीय क्षेत्र का एक व्यापक और गहन विश्लेषण है, जो विकासशील और उभरते बाजार देशों में विश्व बैंक और आईएमएफ द्वारा संयुक्त रूप से किया जाता है।

- इसे 1999 में एशियाई वित्तीय संकट के मद्देनजर शुरू किया गया था।
- यह वित्तीय क्षेत्र के संकटों की संभावना और गंभीरता को कम करने में देशों की मदद करने के लिए बैंक और फंड विशेषज्ञता को एक साथ लाता है।
- इसे वित्तीय क्षेत्र की निगरानी करने और उभरती वित्तीय क्षेत्र की कमज़ोरियों की पहचान करने के लिए आईएमएफ की क्षमता को मजबूत करने हेतु डिज़ाइन किया गया था।
- आईएमएफ एक अंतर्राष्ट्रीय वित्तीय संस्थान है जिसका मुख्यालय वाशिंगटन, डीसी में है।
- विश्व बैंक एक अंतर्राष्ट्रीय संगठन है जो विकासशील देशों को उनकी अर्थव्यवस्थाओं को आगे बढ़ाने में मदद करने के लिए वित्तपोषण, सलाह और अनुसंधान प्रदान करता है।

78. D

Sol. ● दशाइन नेपाल का सबसे लंबा और सबसे महत्वपूर्ण त्योहार है।

- यह विक्रम संवत और नेपाल संवत वार्षिक कैलेंडर में सबसे लंबा और सबसे शुभ त्योहार है।
- इसे भारत में दशहरा और काठमांडू घाटी में मोहनी के नाम से भी जाना जाता है।
- यह नेपाल में सबसे अधिक मनाया जाने वाला त्योहार है और यह विश्व में सबसे अधिक उभयलिंगी त्योहारों में से एक है।
- नेपाल दक्षिण एशिया में एक भूमि से घिरा देश है और यह मुख्य रूप से हिमालय में स्थित है।
- यह एक बहु-जातीय, बहुभाषी, बहु-धार्मिक और बहु-सांस्कृतिक देश है।

79. C

Sol. ● फिल्मफेयर अवार्ड्स 2020 में रमेश सिंही को लाइफटाइम अचीवमेंट अवार्ड प्रदान किया गया।

- यह उन अदाकारों और कलाकारों को प्रस्तुत किया जाता है जिन्होंने रिकॉर्डिंग उद्योग में उत्कृष्ट योगदान दिया है।
- रमेश सिंही को लोकप्रिय और समीक्षकों द्वारा प्रशंसित फिल्म शोले के निर्देशन के लिए जाना जाता है।
- उन्होंने 2017 में मुंबई में रमेश सिंही एकेडमी ऑफ सिनेमा एंड एंटरटेनमेंट की स्थापना की।
- फिल्मफेयर अवार्ड्स 2020 समारोह 15 फरवरी 2020 को गुवाहाटी में आयोजित किया गया और अगले दिन कलर्स टीवी पर प्रसारित किया गया।
- छह दशकों में यह पहली बार है कि मुंबई के बाहर फिल्मफेयर समारोह आयोजित किया गया।

80. B

Sol. • दांतों की सड़न बैक्टीरिया के कारण होती है।

- यह आपके दांतों के इनैमल, दांतों की कठोर, बाहरी आवरण को नष्ट कर देता है।
- ऐसा तब होता है जब मुँह में बैक्टीरिया एसिड बनाते हैं जो इनैमल पर हमला करते हैं।
- इसे कैविटी या क्षय के रूप में भी जाना जाता है और यह दर्द, संक्रमण और यहां तक कि दांतों के नुकसान का कारण बन सकता है।
- बैक्टीरिया सर्वव्यापी हैं, ज्यादातर मुक्त रहने वाले जीव अक्सर एक जैविक कोशिका से युक्त होते हैं।
- ये छोटे एकल-कोशिका वाले जीव हैं और पृथकी पर लगभग प्रत्येक स्थान पर पाए जाते हैं।

81. C

Sol. • जब सूखे किशमिश को सांदर नमक के विलयन में रखा जाता है, तो वे सिकुड़ जाते हैं।

- सांदर नमक का घोल एक ऐसा घोल होता है जिसमें घुले हुए लवणों की उच्च सांदरता होती है।
- किशमिश एक सूखा अंगूर है और वे कटे हुए अंगूरों को सुखाकर व्यावसायिक रूप से उत्पादित किए जाते हैं।
- इन्हें कच्चा खाया जा सकता है या पकाने, सेंकने और आसवन में उपयोग किया जा सकता है।
- इनमें 15% जल, 79% कार्बोहाइड्रेट, 3% प्रोटीन और नगण्य वसा होती है।
- वे प्राकृतिक रूप से मीठे और शुगर व कैलोरी में उच्च होते हैं लेकिन कम मात्रा में खाने पर वे हमारे स्वास्थ्य के लिए फायदेमंद होते हैं।

82. A

Sol. • अकबर के साम्राज्य में सैन्य कमांडरों को फौजदार कहा जाता था।

- फौजदार पूर्व-मुगल मूल का शब्द है और यह गैरीसन कमांडरों को दी जाने वाली उपाधि थी।
- यह एक कार्यालय था जो न्यायिक और भूमि राजस्व कार्यों के साथ एक सैन्य कमांडर के कार्यों को जोड़ता था।
- बख्शी मुगलों के अधीन प्रांत के सैन्य विभाग के प्रमुख थे।
- कोतवाल मध्ययुगीन भारत में एक कोट या किले के नेता के लिए इस्तेमाल की जाने वाली उपाधि थी।
- दीवान वित्तमंत्री था जो राजस्व के संग्रह और शाही खजाने को प्रेषण के लिए जिम्मेदार था।

83. B

Sol. • नर्मदा नदी नेपाल हिमालय से नहीं निकलती है।

- यह मध्य प्रदेश के अनूपपुर जिले के अमरकंटक पठार से निकलती है।
- यह भारत की 5वीं सबसे लंबी और कुल मिलाकर पश्चिम की ओर बहने वाली सबसे लंबी नदी है।
- यह मध्य प्रदेश की सबसे बड़ी बहने वाली नदी है और मध्य प्रदेश और गुजरात राज्य की जीवन रेखा है।
- यह भारत की नदियों में से एक है जो भ्रंश घाटी में बहती है।
- कोसी एक सीमापार नदी है जो तिब्बत, नेपाल और भारत से होकर बहती है।
- गंडक नदी काली और तिरसुली नदियों के मिलन से बनती है और यह नेपाल में ग्रेट हिमालय रेंज में निकलती है।
- घाघरा आयतन के हिसाब से गंगा की सबसे बड़ी सहायक नदी है और लंबाई के हिसाब से गंगा की दूसरी सबसे लंबी सहायक नदी है।

84. D

Sol. ● मारवाड़ का पठार विश्व का सबसे ऊँचा पठार है जो पठारों के बारे में सही नहीं है।

- यह पूर्वी राजस्थान का पठार है।
- यह विंध्य काल के बलुआ पत्थर, शैल और चूना पत्थर से बना है।
- पूर्वी एशिया में तिब्बत का पठार पृथ्वी पर सबसे ऊँचा और सबसे बड़ा पठार है।
- दक्कन का पठार पश्चिमी घाट और पूर्वी घाट के बीच दक्षिणी भारत में एक बड़ा पठार है।
- यह आकार में त्रिकोणीय है और यह लगभग पांच लाख वर्ग किमी के क्षेत्र को कवर करता है।

85. A

Sol. ● गोल गुंबज कर्नाटक राज्य में स्थित है।

- यह 1626 में शुरू हुआ था और 1656 में बनकर तैयार हुआ था।
- यह विजयपुरा में सबसे प्रसिद्ध स्मारक है और यह मोहम्मद आदिल शाह का मकबरा है।
- बड़ा इमामबाड़ा लखनऊ, भारत में 1784 में अवध के नवाब आसफ-उद-दौला द्वारा निर्मित एक इमामबाड़ा परिसर है।
- चारमीनार भारत में सबसे अधिक मान्यता प्राप्त संरचनाओं में सूचीबद्ध है और यह मुस्सी नदी के पूर्वी तट पर स्थित है।
- कुतुब मीनार शहर के सबसे अधिक देखे जाने वाले पर्यटन स्थलों में से एक है, क्योंकि यह भारतीय उपमहाद्वीप में बचे हुए प्राचीन स्थलों में से एक है।

86. C

Sol. • सोडियम हाइड्रोजन कार्बोनेट का उपयोग सोडा-एसिड अग्निशामक यंत्रों में किया जाता है।

- इसे आमतौर पर बेकिंग सोडा के रूप में जाना जाता है और यह NaHCO_3 सूत्र के साथ एक रासायनिक यौगिक है।
- यह प्रतिक्रिया उत्पाद के रूप में CO_2 गैस छोड़ने वाले एसिड के साथ अनायास प्रतिक्रिया करता है।
- इनके प्रभावों की शुरुआत में तेजी लाने और उनके इंजेक्शन को कम दर्दनाक बनाने के लिए इसे स्थानीय एनेस्थेटिक्स में जोड़ा जा सकता है।
- यह नाक की सर्जरी में इस्तेमाल होने वाले मोफेट के घोल का भी एक घटक है।
- इसका उपयोग ब्लेफेराइटिस के इलाज के लिए आंखों की स्वच्छता में किया जाता है और इसका उपयोग कुछ माउथवॉश में एक घटक के रूप में भी किया जाता है।

87. D

Sol. • नंदा देवी मेला प्रत्येक वर्ष सितंबर के महीने में कुमाऊं क्षेत्र में आयोजित किया जाता है।

- यह उत्तराखण्ड में नंदा देवी मंदिर के पास आयोजित एक धार्मिक मेला है।
- यह हिंदू संस्कृति का एक धार्मिक त्योहार है और यह इस क्षेत्र के सबसे महत्वपूर्ण त्योहारों में से एक है।
- यह अल्मोड़ा, नैनीताल, बागेश्वर, भोवाली, कोट आदि कई स्थानों पर आयोजित किया जाता है।
- मुख्य मेला अल्मोड़ा शहर में आयोजित किया जाता है, यह तब से आयोजित किया जाता है, जब चंद राजाओं ने इस स्थान पर शासन किया था।
- यह नैनीताल में भी आयोजित किया जाता है, जहां नंदा देवी मंदिर में एक सप्ताह तक चलने वाला उत्सव आयोजित किया जाता है।

88. C

Sol. • मुर्शिद कुली खान बंगाल के नवाब थे।

- उन्हें मोहम्मद हादी के नाम से भी जाना जाता था और उन्होंने 1717 से 1727 तक सेवा की।
- उन्होंने बंगाल में प्रांतीय दीवान के रूप में अपना करियर शुरू किया और नाज़िम या बंगाल और उड़ीसा के राज्यपाल के रूप में अंत हुआ।
- वह जन्म से एक ब्राह्मण थे और बंगाल में नवाबी शासन के संस्थापक थे।
- बंगाल दक्षिण एशिया में एक भू-राजनीतिक, सांस्कृतिक और ऐतिहासिक क्षेत्र है।

- यह पूर्व में बांग्लादेश और पश्चिम बंगाल के भारतीय राज्य में विभाजित है।

89. D

Sol. • जुलाई 2020 में लुईस हैमिल्टन ने स्टायरियन ग्रां प्री फॉर्मूला 1 रेसिंग चैंपियनशिप जीता।

- उन्हें विभिन्न क्षेत्रों में उत्कृष्ट ग्रिड पर सबसे पूर्ण चालक के रूप में माना जाता है।
- सेबस्टियन वेट्टेल 2010 सीज़न में विश्व चैंपियनशिप जीतने वाले अब तक के सबसे कम आयु के ड्राइवर थे।
- मैक्स वर्स्टापेन बेल्जियम-डच रेसिंग ड्राइवर और 2021 फॉर्मूला वन वर्ल्ड चैंपियन है।
- वह फॉर्मूला वन ग्रां प्री जीतने वाले सबसे कम आयु के ड्राइवर और पहले डच ड्राइवर बने।

90. A

Sol. • राजकोषीय नीति अर्थव्यवस्था में धन की आपूर्ति से संबंधित है और ब्याज की दर सही नहीं है।

- यह देश की अर्थव्यवस्था को प्रभावित करने के लिए सरकारी राजस्व संग्रह और व्यय का उपयोग है।
- यह वह साधन है जिसके द्वारा एक सरकार किसी देश की अर्थव्यवस्था की निगरानी और उसे प्रभावित करने के लिए अपने खर्च के स्तर और कर दरों को समायोजित करती है।
- राजकोषीय नीति दो प्रकार की होती है:

a) विस्तारक राजकोषीय नीति

b) संकुचनशील राजकोषीय नीति

- राजकोषीय नीति के दो प्रमुख साधन निम्न हैं:

a) कराधान

b) सरकारी खर्च

91. C

Sol. • 1526 में, बाबर ने पानीपत में इब्राहिम लोदी को हराया और दिल्ली और आगरा पर कब्जा कर लिया।

- बाबर भारतीय उपमहाद्वीप में मुगल साम्राज्य का संस्थापक था।
- चंगेज खान मंगोल साम्राज्य के संस्थापक और पहले महान खान थे।
- इसे अब एक राष्ट्रीय नायक और मंगोलिया के 'संस्थापक जनक' के रूप में देखा जाता है।

- तैमूर फारस और मध्य एशिया में तैमूर साम्राज्य का संस्थापक था ।
- उन्हें सबसे महान खानाबदोश शासकों में से एक माना जाता था क्योंकि उन्होंने पूरे एशियाई महाद्वीप में अपनी सेना का नेतृत्व किया था ।

92. D

Sol. • एक नैदानिक थर्मोमीटर तापमान को 35°C से 42°C तक मापता है ।

- यह एक थर्मोमीटर है जिसका उपयोग मानव शरीर के तापमान को मापने के लिए किया जाता है ।
- ये सटीक और संवेदनशील होते हैं , एक संकीर्ण स्थान जहां पारे का स्तर बहुत तेजी से बढ़ता है ।
- इसे डॉक्टर का थर्मोमीटर या मेडिकल थर्मोमीटर भी कहा जाता है ।
- पहला विलनिकल थर्मोमीटर का आविष्कार थॉमस किलफोर्ड ऑलबट ने 1866 में किया था ।
- थर्मोमीटर एक ऐसा उपकरण है जो आपको अपने तापमान या तापमान प्रवणता को मापने में सक्षम बनाता है ।

93. B

Sol. • भारतीय संसद ने वर्ष 2019 में नागरिकता (संशोधन) विधेयक पारित किया ।

- इसने उत्पीड़ित धार्मिक अल्पसंख्यकों के लिए भारतीय नागरिकता का मार्ग प्रदान करके नागरिकता अधिनियम 1955 में संशोधन किया ।
- नागरिकता एक व्यक्ति और एक राज्य के बीच का रिश्ता है जिसके प्रति व्यक्ति निष्ठा रखता है और बदले में इसके संरक्षण का हकदार होता है ।
- भारत की संसद भारत गणराज्य का सर्वोच्च विधायी निकाय है ।
- यह एक द्विसदनीय विधायिका है जो भारत के राष्ट्रपति, लोकसभा और राज्य सभा से मिलकर बनी है ।

94. B

Sol. • मोटर वाहन अधिनियम, 1988 के अनुसार, अठारह वर्ष से कम आयु के किसी भी व्यक्ति को बिना गियर के मोटरसाइकिल चलाने के लिए लर्नर लाइसेंस प्रदान नहीं किया जाएगा, सिवाय इसके कि लर्नर लाइसेंस के इच्छुक व्यक्ति की देखभाल करने वाले व्यक्ति की लिखित सहमति हो ।

- मोटर वाहन अधिनियम 1 जुलाई 1989 को लागू किया गया था ।
- यह अधिनियम ड्राइवरों और कंडक्टरों को लाइसेंस देने पर मोटर वाहनों के दिशानिर्देशों के पंजीकरण के बारे में विस्तृत दिशा-निर्देश प्रदान करता है ।

- यह मोटर वाहनों के पंजीकरण से संबंधित दिशा-निर्देश भी प्रदान करता है और परमिट, देनदारियों, यातायात नियमों, बीमा व दंड को नियंत्रित करने के प्रावधानों का मसौदा तैयार करता है।
- यह अनिवार्य कर दिया गया है कि सड़क पर चलने के लिए प्रत्येक वाहन के पास वैध बीमा होना चाहिए।

95. D

Sol. • नेपाल आईसीसी (अंतर्राष्ट्रीय क्रिकेट परिषद) का एक 'एसोसिएट सदस्य' है।

- अफगानिस्तान, पाकिस्तान और बांग्लादेश अंतर्राष्ट्रीय क्रिकेट परिषद के पूर्णकालिक सदस्य हैं।
- जुलाई 2021 तक 106 आईसीसी सदस्य हैं, जिनमें 12 पूर्ण सदस्य और 94 एसोसिएट सदस्य हैं।
- अंतर्राष्ट्रीय क्रिकेट परिषद क्रिकेट का विश्व शासी निकाय है।
- इसकी स्थापना 1909 में ऑस्ट्रेलिया, इंग्लैंड और दक्षिण अफ्रीका के प्रतिनिधियों द्वारा इंपीरियल क्रिकेट सम्मेलन के रूप में की गई थी।
- अंतर्राष्ट्रीय क्रिकेट परिषद का मुख्यालय दुबई, संयुक्त अरब अमीरात में है।

96. A

Sol. • नमामि गंगे कार्यक्रम को वर्ष 2014 में भारत सरकार द्वारा अनुमोदित किया गया था।

- यह एक एकीकृत संरक्षण मिशन है जिसे फ्लैगशिप कार्यक्रम के रूप में अनुमोदित किया गया है।
- इस पर हाइब्रिड वार्षिकी पीपीपी मोड के तहत हस्ताक्षर किए गए थे।
- इसे राष्ट्रीय गंगा नदी के प्रदूषण और संरक्षण व कायाकल्प के प्रभावी उन्मूलन के दोहरे उद्देश्यों को पूरा करना है।
- यह जल संसाधन मंत्रालय, नदी विकास और गंगा संरक्षण विभाग, जल शक्ति मंत्रालय के तहत संचालित किया जा रहा है।
- इसे राष्ट्रीय स्वच्छ गंगा मिशन द्वारा कार्यान्वित किया जा रहा है।

97. D

Sol. • भारतीय रिजर्व बैंक की स्थापना 1935 में हुई।

- इसकी स्थापना प्रथम विश्व युद्ध के बाद आर्थिक संकटों से निपटने के लिए की गई थी।
- इसकी स्थापना भारतीय मुद्रा और वित्त पर 1926 के शाही आयोग की सिफारिशों के आधार पर की गई थी।
- यह भारत का केंद्रीय बैंक और नियामक संस्था है।

- यह भारतीय रूपये के मुद्रे और आपूर्ति व भारतीय बैंकिंग प्रणाली के नियमन के लिए जिम्मेदार है।
- यह देश की मुख्य भुगतान प्रणालियों का प्रबंधन भी करता है और इसके आर्थिक विकास को बढ़ावा देने के लिए काम करता है।
- देश में मौद्रिक नीति पर भी इसका पूर्ण नियंत्रण था।

98. B

Sol. • 'द एडवेंचर्स ऑफ हकलबेरी फिन' मार्क ट्वेन द्वारा लिखित एक पुस्तक है।

- यह पहली बार यूनाइटेड किंगडम में दिसंबर 1884 और संयुक्त राज्य अमेरिका में फरवरी 1885 में प्रकाशित हुआ था।
- यह संयुक्त राज्य अमेरिका में बाल्यावस्था के गहन चित्रण के लिए बाल साहित्य के पाठ्यक्रम को बदलने हेतु जाना जाता है।
- यह मिसिसिपी नदी के किनारे लोगों और स्थानों के रंगीन विवरण के लिए भी जाना जाता है।
- मार्क ट्वेन की संयुक्त राज्य अमेरिका द्वारा निर्मित सबसे महान हास्यकार के रूप में सराहना की गई।
- रस्किन बॉन्ड भारत में बाल साहित्य को बढ़ावा देने में अपनी भूमिका के लिए बहुत प्रसिद्ध हैं।

99. D

Sol. • लोकपाल और लोकायुक्त अधिनियम भारत सरकार द्वारा कुछ सार्वजनिक पदाधिकारियों के खिलाफ भ्रष्टाचार के आरोपों की जांच के लिए पारित किया गया था।

- यह भारत में भारतीय संसद का एक भ्रष्टाचार विरोधी अधिनियम है।
- धन शोधन निवारण अधिनियम, 2002 एनडीए सरकार द्वारा धन शोधन को रोकने के लिए अधिनियमित किया गया है।
- यह मनी लॉन्डिरंग से प्राप्त संपत्ति की जब्ती का भी प्रावधान करता है।
- अधिनियम में वर्ष 2005, 2009 और 2012 में संशोधन किया गया था।
- केंद्रीय सतर्कता आयोग अधिनियम, केंद्रीय सतर्कता आयोग को भ्रष्टाचार निवारण अधिनियम, 1988 के तहत कथित तौर पर किए गए अपराधों की जांच करने का प्रावधान करता है।

100. D

Sol. • जे.के.राजलिंग 'द टेल्स ऑफ बीडल द बार्ड' पुस्तक की लेखक हैं।

- द टेल्स ऑफ बीडल द बार्ड बच्चों की कहानियों की एक पुस्तक है।
- यह मूल रूप से जे.के.राजलिंग द्वारा हस्तलिखित और सचित्र केवल सात प्रतियों के सीमित संस्करण में निर्मित किया गया था।

- इसे 4 दिसंबर 2008 को आम जनता के लिए प्रकाशित किया गया था।
- न्यू यॉर्कर पत्रिका के लिए अपने कार्य के माध्यम से ई. बी व्हाइट सबसे प्रभावशाली आधुनिक अमेरिकी निबंधकारों में से एक थे।
- रोनाल्ड डाहल को विशेष रूप से उनकी सरल और अपरिवर्तनीय बच्चों की किताबों के लिए जाना जाता था।