

SSC MTS 2020 Tier I : 20

Oct S1

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

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

A person who examines, diagnoses and treats eyes.

2. Select the INCORRECTLY spelt word.

- | | |
|--------------|-------------|
| A. Stagnant | B. Imminent |
| C. Continent | D. Exponent |

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

I totally disagree with his _____ proposal as he has not weighed the pros and cons.

- | | |
|--------------|----------------|
| A. realistic | B. conceivable |
| C. rational | D. ridiculous |

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

MIMIC

- A. Fail
 - B. Prevent
 - C. Copy
 - D. Attempt

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

Schools was brought to an abrupt standstill when the lockdown was imposed.

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

Once the interview was over I felt light and free.

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

MAGNANIMOUS

- | | |
|---------------|--------------|
| A. Charitable | B. Malicious |
| C. Suspicious | D. Unstable |

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

Chandigarh is a model city with sectors that are _____ with spaces for living, working and leisure.

- | | |
|-------------------|--------------------|
| A. dependent | B. self-sufficient |
| C. self-righteous | D. inferior |

9. Select the INCORRECTLY spelt word.

- | | |
|-------------|-------------|
| A. Occupant | B. Rampant |
| C. Academic | D. Abdicate |

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

UNFEELING

- | | |
|-----------|-----------------|
| A. Cruel | B. Affectionate |
| C. Modest | D. Aloof |

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

Whet your appetite

- | | |
|--------------------------------|-------------------------------|
| A. To want something more | B. To find the food tasteless |
| C. To feel lonely and isolated | D. To go on a diet |

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

Get something off one's chest

- | | |
|--|---|
| A. To escape from a dangerous situation | B. To defeat someone in a physical fight |
| C. Talk about something that is worrying you | D. To stop oneself from confiding in a friend |

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

A person who is forgetful and unable to concentrate or think clearly

- | | |
|-----------------|----------------|
| A. Scatterbrain | B. Systematic |
| C. Logical | D. Intelligent |

14. 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'.

It is important to be aware of what we eat as food choices play an important role and affect their lifespan.

- A. affect your
 - B. affect our
 - C. affect her
 - D. No substitution required

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

From all her birthday presents, Vanya liked the alphabetical mat the most.

- A. Except
 - B. Between
 - C. No substitution required
 - D. Amongst

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

Some of Guru Dutt's _____ classics are being screened on MUBI these days.

- | | |
|------------------|-------------|
| A. unforgettable | B. eventful |
| C. dependable | D. catchy |

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

Parents must monitor what their children access on the internet as they are easily influenced.

- A. what them children
 - B. access on the internet
 - C. Parents must monitor
 - D. as they are easily influenced

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

Jagdeep, the Bollywood comedian, began his film career at eight as a live childlike actor in the 1950's.

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'.

As been rich, he can afford this expensive treatment.

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

INITIATE

- A. Launch
- B. Conclude
- C. Begin
- D. Inspire

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.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) _____ art and design. After two years I (2) _____ New York City to further my studies. I soon (3) _____ myself in a totally different culture which I embraced (4) _____ willingly. Interestingly, it was in New York that I began (5) _____ different cuisines.

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

- A. about
- B. at
- C. with
- D. of

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

- A. moved down
- B. moved to
- C. moved about
- D. move up

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

- A. finding
- B. found
- C. observing
- D. discover

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

- A. most
- B. many
- C. more
- D. much

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

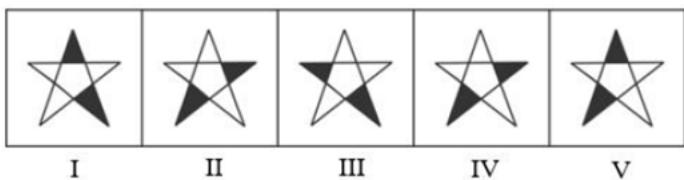
- A. exercising upon
- B. experimenting with
- C. rehearsing for
- D. measuring on

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

$$7 \div 2 \times 5 - 4 + 2 = 15$$

- A. – and \div
B. + and –
C. \div and +
D. \times and \div

27. Find which figure is to be removed so that all, starting from I, fit into a pattern.



- A. II
B. V
C. IV
D. III

28. 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.

STRAW : HGIZD :: NORTH : ?

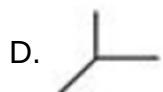
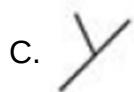
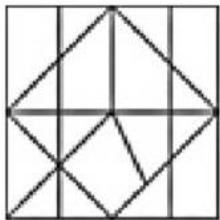
- A. MLGSI
B. CBISL
C. CBISD
D. MLIGS

29. Select the option in which the number-pair shares the same relationship as that shared by the given number-pair.

115 : 163

- A. 48 : 78
B. 163 : 99
C. 75 : 110
D. 43 : 75

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



31. Select the number that can replace the question mark (?) in the given number series.

24, 60, 120, 210, 336, ?

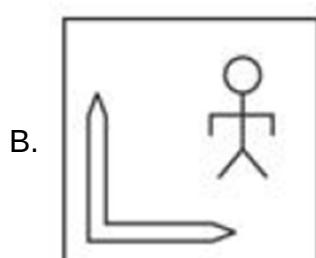
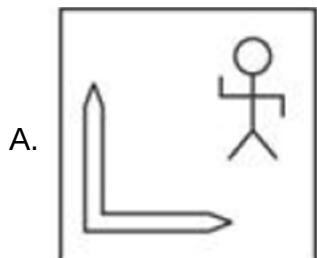
A. 428

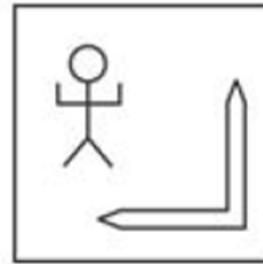
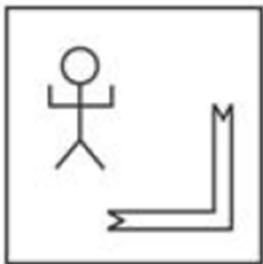
B. 390

C. 490

D. 504

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





Statements:

1. All girls are dancers.
 2. Some dancers are boys.
 3. No boy is a player.

Conclusions:

- I. Some dancers are girls.
 - II. Some players are boys.

III. Some dancers are players.

- A. Only conclusion III follows.
- B. Both conclusions I and II follow.
- C. Both conclusions II and III follow.
- D. Only conclusion I follow.

36. Select the number that can replace the question mark (?) in the given number series.

5, 9, 16, 29, ?, 103

- A. 54
- B. 78
- C. 86
- D. 92

37. In a certain code language, '137' means 'Mary went Jammu', '274' means 'I like Mary', and '893' means 'you went Goa'. Which of the options is the code for 'Jammu'?

- A. 9
- B. 1
- C. 2
- D. 8

38. In a certain code language, '137' means 'who are you', '274' means 'we are girls', and '893' means 'you have toys'. Which of the options may be the code for 'girls'?

- A. 3
- B. 7
- C. 8
- D. 4

39. Three 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. Some Indians are doctors.
2. All males are Indians
3. All engineers are males.

Conclusions:

- I. Some males are doctors.
- II. All engineers are Indians.

A. Neither conclusion I nor II follows.

C. Only conclusion I follows.

B. Only conclusion II follows.

D. Both conclusions I and II follow.

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

P_ _N_O_M_ _ _MNP

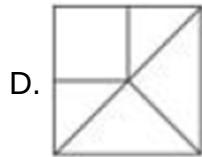
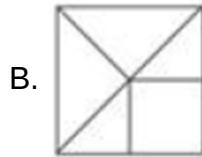
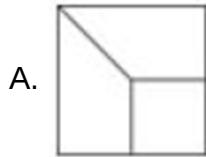
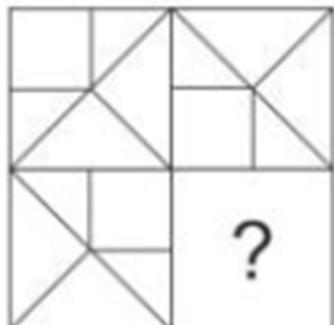
A. MONPNP

C. OPMNPO

B. OMPNPO

D. NPOMPO

41. **Complete the missing portion of the given pattern by selecting from the given options.**



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

$$3 * 6 * 2 * 8 * 4 * 5 * 36$$

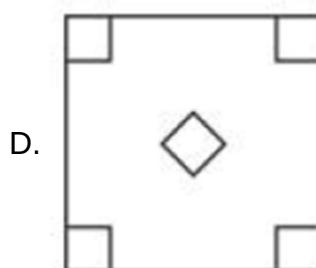
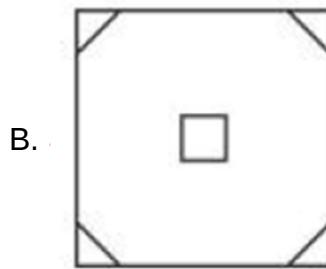
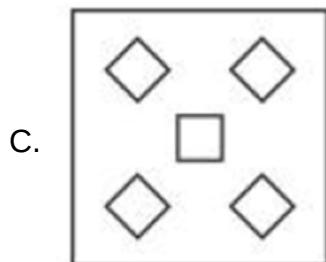
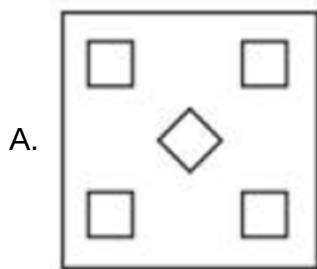
A. $\times, \div, +, \times, -, =$

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

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

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

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



Where is P located?

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

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.

Cricket : Eleven :: Volleyball : ?

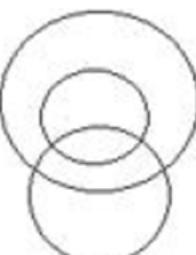
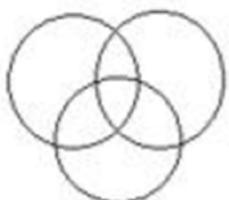
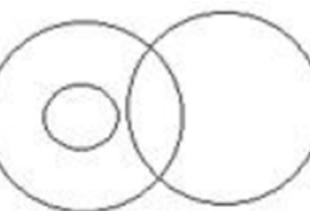
- A. Nine
- B. Seven
- C. Six
- D. Eight

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

- I. Superintendent of Police
- II. Station House Officer
- III. Inspector General
- IV. Deputy Superintendent of Police

- A. III, IV, II, I
- B. IV, III, II, I
- C. II, III, I, IV
- D. II, IV, I, III

49. Which of the following diagrams indicates the best relationship among women, mothers and dancers?

- A. 
- B. 
- C. 



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

Decibel : Sound :: Ampere : ?

- | | |
|----------------|---------------------|
| A. Volume | B. Electric current |
| C. Temperature | D. Pressure |

51. Simplify the following expression :

$$\frac{135 \div \frac{1}{3} \text{ of } 5 - 2\frac{2}{3} \div 1\frac{1}{3} + 6}{(152 + 9 \div 3) - \left(10 - 5 \times \frac{2}{5}\right)}$$

- A. $\frac{17}{10}$
B. $\frac{217}{226}$
C. $\frac{17}{44}$
D. $\frac{73}{26}$

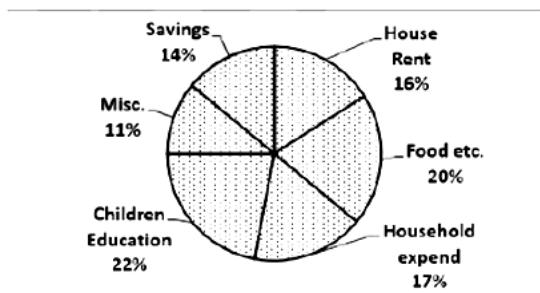
52. A town with literacy rate of 85% has a population of 2500. If male population is 55%. And 92% of them are literate, then find the literacy rate of females in the town.

53. A shopkeeper sells 6 cardigans for Rs. 3,000 with 20% profit and 10 trousers for Rs. 6,380 with 16% profit. What is the total profit per cent?

- A. 17.25%
 - B. 11.38%
 - C. 18%
 - D. 8%

54. If mode of the following data is 14, then what is the value of k?

11, k, 8, 9, (k-1), 11, 12, 12, 15, (k-1), 14



- A. 72^0 B. 18^0
C. 60^0 D. 80^0

58. A certain sum doubles itself on simple interest in 10 years. At the same rate of interest in how many years it will become 3 times of itself?

A. 12 B. 16
C. 20 D. 15

59. What will be the compound interest on a sum of Rs. 15,000 at the interest of 8% per annum in one year, interest compounded semi-annually?

A. Rs. 1,224 B. Rs. 6,224
C. Rs. 1,200 D. Rs. 16,224

60. The value of $0.04 \div 0.002 + 0.5 \times 0.002 \div 0.0004$ is:

A. 20 B. 22.5

- C. 22 D. 21.5

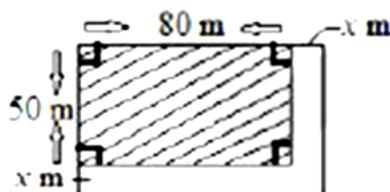
61. In a 200 m walk race, Zakia walks at an average speed of 5 km/h. She gives a start of 20 m to Veena and still beats her by 18 seconds. What is the average speed of veena (in km/h)?
A. 4.2 B. 4.5
C. 4 D. 3.5

62. During festival time, electric gadget with marked price of Rs.5000 is sold for Rs.4250 after giving certain discount. If the discount percentage is reduced by 5%, at what cost will the electric gadget be available to the customers?
A. Rs. 5,000 B. Rs. 4,000
C. Rs. 4,750 D. Rs. 4,500

63. Amar drives his car for 2 hours at a speed of 70 km/h, for 3 hours at a speed of 80 km/h and for 1 hour at a speed of 40 km/h and reaches his hometown. What is his average speed (in km/h)?
A. 64 B. 70
C. 60 D. 66

64. Rs. 21,000 is divided among A, B and C in such a way that the shares of A and B are in the ratio 2:3, and those of B and C are in the ratio 4:5 . The share of B is:
A. Rs. 12,000 B. Rs. 10,500
C. Rs. 7,200 D. Rs. 7,000

65. In the given figure, the area of the unshaded region is 35% of the area of the shaded region. What is the value of x ?

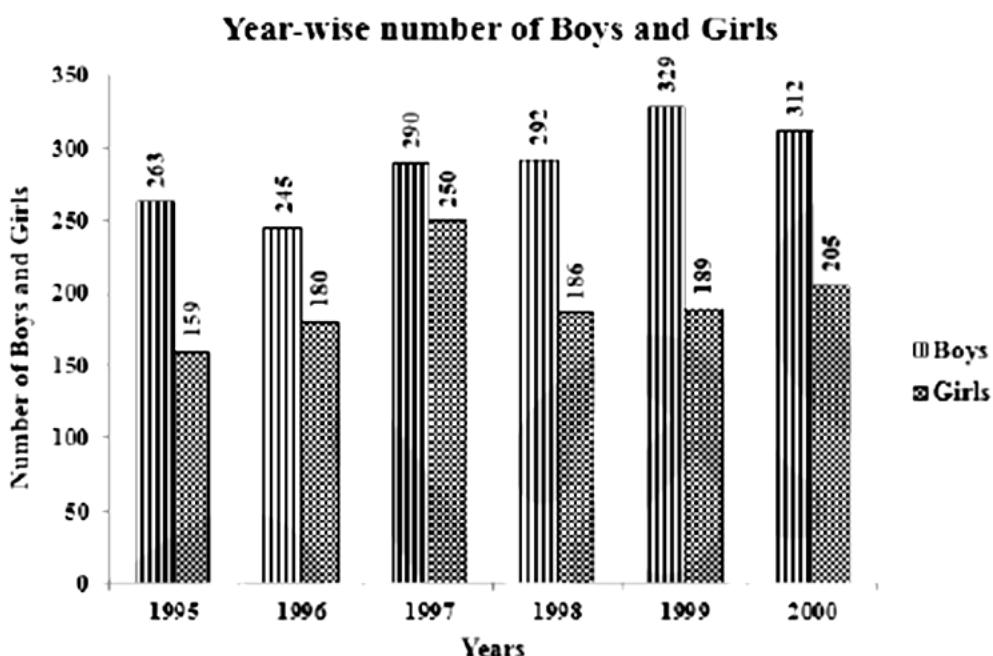


- C. 2160 cm^2 D. 2016 cm^2

A and B started a business by investing Rs.70,000 each. After 10 months A invests an additional amount of Rs. 40,000. After 2 more months B withdraws Rs. 2000. After 2 more months a third person C joins the business and invests Rs. 40,000. If at the end of 2 years, C gets Rs. 7,500 as his share of profit, then what is A's share in the profit?

A. Rs. 27,000 B. Rs. 25,500
C. Rs. 42,000 D. Rs. 20,625

The record of the enrolment of boys and girls in a school over 6 years has been presented in the following bar graph.



In which year was the total enrolment the highest?

A. 120

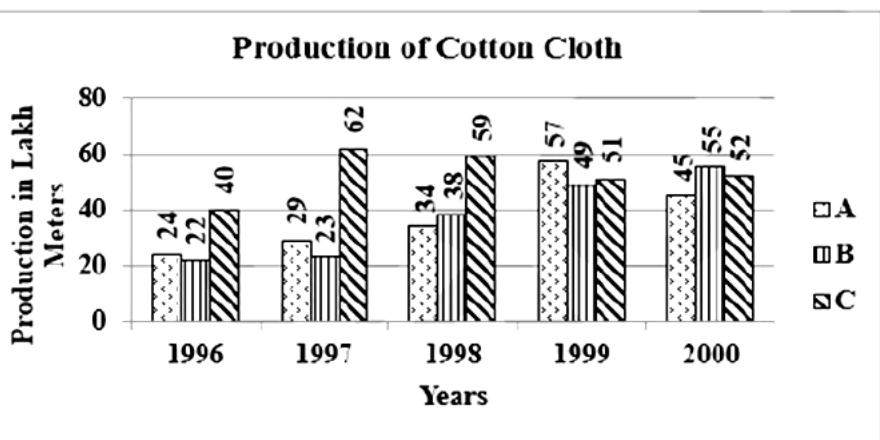
C. 70

B. 80

D. 60

71. The following graph shows the production of cotton cloth (in lakh metres) by three companies A, B and C over the years 1996-2000.

The production of company A during 1996-98 is what percentage of the average production of companies B and C during 1998-2000 (correct to two decimal places)?



A. 74.36%

C. 56.86%

B. 89.47%

D. 57.24%

72. A shopkeeper purchased 10 chairs at the rate of Rs. 1,450 per chair and spent Rs. 600 as cartage. For how much should he sell each chair to earn 10% profit?

A. Rs. 2,225

B. Rs. 1,661

C. Rs. 1,595

D. Rs. 1,645

73. Eight metallic spheres of radius 1 cm are melted from one sphere. The radius of the resulting sphere is:

A. 2 cm

B. 8 cm

C. 2 cm

D. 6 cm

74. 6 men can do a piece of work in 64 days. 24 women can complete the same work in 32 days. 16 men and 24 women work together for 12 days, after which 8 men and 8 women leave the work. In how many days will the work be completed?

A. 18

B. 6

C. 3

D. 15

75. A car covers a certain distance moving at a constant speed of 50 km/h in 3 hours. How much more time

would it have taken to cover the same distance if the speed had been only 40 km/h?

- A. 30 minutes
- B. 45 minutes
- C. 10 minutes
- D. 1 hour

76. In June 2020, which of the following international organizations has approved a \$500million Strengthening Teaching-Learning and Results for States Program (STARS) to improve the quality and governance of school education in six Indian states?

- A. International Monetary Fund
- B. Asia Development Fund
- C. UNESCO
- D. World Bank

77. Who among the following leaders was NOT an accused in the Kakori Train Robbery case?

- A. Bhagat Singh
- B. Rajendra Nath Lahiri
- C. Ramprasad Bismil
- D. Roshan Singh

78. Who among the following foreign travellers was appointed in the state service by Muhammad bin Tughlaq?

- A. Marco Polo
- B. Nicolo Conti
- C. Ibn Battuta
- D. Al Masudi

79. Which of the following regions was annexed by the British East India Company through the Treaty of Yandabo (1826)?

- A. Assam
- B. Kashmir
- C. Odisha
- D. Ladakh

80. In which of the following states is the Ramsar Wetland Site named Renuka Wetland located?

- A. Telangana
- B. Andhra Pradesh
- C. Madhya Pradesh
- D. Himachal Pradesh

81. Which of the following states has the largest catchment area of Godavari Basin?

- A. Karnataka
- B. Maharashtra
- C. Madhya Pradesh
- D. Telangana

82. Which of the metals listed in the options is the least reactive?

- A. Copper
- B. Iron
- C. Gold
- D. Magnesium

83. How many pollutants are included to measure Air Quality Index in India?

- A. 4
- B. 8
- C. 6
- D. 12

Solutions

1. C

Sol.

Optician: a person whose job is to examine people's eyes and to recommend and sell glasses.

Econometrist: an economist who uses statistical and mathematical methods.

Ophthalmologist: a doctor who studies and treats the diseases of the eye.

Chronobiologist: someone who studies the branch of biology connected with cyclical physiological phenomena.

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

2. A

Sol.

Option A has incorrectly spelt word.

"Stagnant" is the correct spelling of the incorrect word "Stagnent". It means not developing, growing or changing.

The meaning of other words are:

Imminent: likely to happen very soon.

Continent: connected with the control of your feelings, especially your desire to have sex.

Exponent: a person who supports an idea, theory, etc., and persuades others that it is good.

3. D

Sol.

Let us understand the meaning of the given words:-

- * Realistic = accepting in a sensible way what it is actually possible to do or achieve in a particular situation.
- * Conceivable = something that you can imagine or believe.
- * Rational = behaviour or an idea that is based on reason rather than emotions.
- * Ridiculous = very silly or unreasonable.

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

- * "Realistic" as an adjective is used in context of "happening in sensible way". Thus, option A is incorrect.
- * "Conceivable" as an adjective is used in context of "believable". Thus, option B is incorrect.
- * "Rational" as an adjective is used in context of "something that rely on reasoning rather than emotions". Thus, option C is incorrect.
- * "Ridiculous" as an adjective is used in context of "something that is unreasonable". Here in the given sentence, it is used to qualify the noun i.e. "proposal". It mentions that the proposal was unreasonable or silly because pros and cons were not taken into account.

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

Thus, the correct sentence will be: **I totally disagree with his ridiculous proposal as he has not weighed the pros and cons.**

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

4. C

Sol.

Let's understand the meaning of the given words:

Mimic= to copy the way someone speaks, moves, behaves etc. especially in order to make other people laugh.

E.g.: She is always **mimicking** the teachers.

Fail = to not be successful in achieving something.

Prevent = to stop someone from doing something

Copy = to make something that is exactly like something else.

E.g.: The product has been widely **copied** by other manufacturers.

Attempt = to make an effort or try to do something, especially something difficult.

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

5. D

Sol.

The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Subject Verb agreement**.

* As per the Subject Verb agreement, the verb should be in accordance with the subject. A singular verb should be used with a singular subject and a Plural verb should be used with a plural subject.

For example:

The **draught causes** widespread loss of life.

Schools are among the biggest customers for this service.

* In the given sentence, we have erroneously used the singular helping verb (was) for the plural subject "Schools". Thus, plural helping verb "were" should be used in place of singular helping verb "was".

* Hence, "**Schools were brought**" is the correct substitution.

Thus, the correct sentence will be:

Schools were brought to an abrupt standstill when the lockdown was imposed.

6. B

Sol.

Let us understand the meaning of the given words:-

* Leisurely = without hurrying.

* Suddenly = quickly and unexpectedly.

* Minutely = in a very detailed, careful and complete way.

* Hastily = too quickly, without giving enough thought.

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

* "Leisurely" as an adverb is used in context of "without hurrying". Thus, option A is incorrect.

* "Minutely" as an adverb is used in context of "in a very detailed way". Thus, option C is incorrect.

* "Hastily" as an adverb is used in context of "doing something without going through enough thought process". Thus, option D is incorrect.

* "Suddenly" as an adverb is used in context of "quickly and unexpectedly". Here in the given sentence, it is used to mention that after the interview, "I" (subject) quickly and unexpectedly felt light (with no pressure) and free (under no control/restrictions).

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

Thus, the correct sentence will be:

Once the interview was over I suddenly felt light and free.

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

7. A

Sol.

Let's understand the meaning of the given words:

Magnanimous= kind, generous and forgiving, especially towards an enemy or competitor.

E.g.: He was **magnanimous** in defeat and praised his opponent's skill.

Charitable = kind in your attitude to other people, especially when you are judging them.

E.g.: Let us be **charitable** and assume she just made a mistake.

Malicious = having or showing a desire to harm someone or hurt their feelings, caused by a feeling of hate.

Suspicious = feeling that someone has done something wrong, illegal or dishonest without having any proof.

Unstable = likely to change suddenly.

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

8. B

Sol.

Let us understand the meaning of the given words:-

- * Dependent = needing someone/something in order to survive or be successful.
- * Self-sufficient = able to produce or do everything that you need without the help of other people.
- * Self-righteous = feeling or behaving as if what you say or do is always morally right and other people are wrong.
- * Inferior = not good or not as good as someone/something else.

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

- * "Dependent" as an adjective is used in context of "need someone to survive". Thus, option A is incorrect.
- * "Self-righteous" as an adjective is used in context of "someone who feels he is always right and others are always wrong". Thus, option C is incorrect.
- * "Inferior" as an adjective is used in context of "someone/something who is not as good as someone/something else". Thus, option D is incorrect.
- * "Self-sufficient" as an adjective means ability to produce/provide everything that someone needs without any extra help from outside. Here in the given sentence, it is used to mention

that sectors of Chandigarh city are able to provide spaces for living, working and spending some time in leisure activities. There is no need of carving out extra spaces for such activities.

Thus, "Self-sufficient" becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

Chandigarh is a model city with sectors that are self-sufficient with spaces for living, working and leisure.

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

9. A

Sol.

Option A has incorrectly spelt word.

"Occupant" is the correct spelling of the incorrect word "Ocupant". It means a person who lives or works in a particular house, room, building etc.

The meaning of other words are:

Rampant: existing or spreading everywhere in a way that cannot be controlled.

Academic: connected with education, especially studying in schools and universities.

Abdicate: to give up the position of being king, queen or emperor.

10. B

Sol.

Let's understand the meaning of the given words:

Unfeeling= not showing care or sympathy for other people

E.g.: He is a cold, **unfeeling** and unresponsive man.

Cruel = having a desire to cause physical or mental pain and make someone suffer.

Affectionate = showing caring feelings and love for someone.

E.g.: He is very **affectionate** towards his children.

Modest = not very large, expensive, important etc.

Aloof = not friendly or interested in other people.

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

11. A

Sol.

The idiom “**Whet your appetite**” means to increase your desire or interest in something.

Example: This success **whetted my appetite** to go in for more competitions.

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

12. C

Sol.

The idiom “**Get something off one's chest**” means to talk about something that has been worrying you for a long time so that you feel less anxious.

Example: Why not tell him how you feel? It might do you good to **get it off your chest**.

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

13. A

Sol.

Scatterbrain: a person who is always loosing or forgetting things and cannot think in an organised way.

Systematic: done according to a system or plan, in a complete, efficient or determined way.

Logical: seeming natural, reasonable or sensible.

Intelligent: someone who is good at learning, understanding and thinking in a logical way about things.

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

14. B

Sol.

The underlined part of the sentence is grammatically incorrect.

* The underlined part needs correction in possessive adjective.

* “Their” as a possessive adjective is used to show “of or belonging to people, animals or things that have already been mentioned or are easily identified”. It is a possessive form of “they”.

For example:

They had to abandon **their** lands to the invading forces.

- * “Our” as a possessive adjective is used to show “belonging to us”. It is a possessive form of “We”.
- * In the underlined part, we need to show the possession or connection of “lifespan” with “We”. But we have used the possessive adjective “their” which is used to establish connection with “They” as a pronoun. Thus, possessive adjective “Our” should be used in accordance with the pronoun “We” mentioned in the sentence.
- * Hence, “**affect our**” is the correct substitution.

Thus, the correct sentence will be:

It is important to be aware of what we eat as food choices play an important role and affect our lifespan.

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

15. D

Sol.

The underlined part of the sentence is grammatically incorrect.

- * The underlined part needs correction in preposition.
- * “From” as a preposition is used to show where something/someone starts.

For example:

He began to walk away **from** him.

- * “Amongst” as a preposition is used to show “being included or happening in groups of things or people”.

For example:

An Indian woman was **among** the survivors.

* In the underlined part, we need a preposition that shows the sense of “one thing from a group of things”. This is because while declaring her likeness, “Vanya” had tried choosing from the “group of her birthday presents”. But we have erroneously used preposition “from” that shows the “origin of something”.

Thus, preposition “amongst” should be used in place of “from”.

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

Thus, the correct sentence will be:

Amongst all her birthday presents, Vanya liked the alphabetical mat the most.

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

16. A

Sol.

Let us understand the meaning of the given words:-

- * Unforgettable = something that you cannot forget it, usually because it is so beautiful, interesting, pleasant etc.
- * Eventful = full of things that happen, especially exciting, important or dangerous things.
- * Dependable = something that can be relied on to do what you want or need.
- * Catchy = pleasant and easily remembered.

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

* “Eventful” as an adjective is used in context of “occurrence of exciting or dangerous things”. Thus, option B is incorrect.

* “Dependable” as an adjective is used in context of “something that can be relied upon”. Thus, option C is incorrect.

* “Catchy” as an adjective is used in context of “something that is pleasant and easily remembered”. Thus, option D is incorrect.

* “Unforgettable” as an adjective means something that you cannot forget it, usually because it is so beautiful, interesting, pleasant etc. Here in the given sentence, it is used to refer the noun “classics”. It mentions that these days screening of Guru Dutt’s classics (which were beautiful, interesting) is done on MUBI.

Thus, “Unforgettable” becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

Some of Guru Dutt’s unforgettable classics are being screened on MUBI these days.

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

17. A

Sol.

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

* “Them” is an objective case of pronoun “They”. It is used as an object of a verb.

For example:

The abrasiveness of the diamonds made **them** particularly useful for industrial use.

* “Their” as a possessive adjective is used to show “of or belonging to people, animals or things that have already been mentioned or are easily identified”.

For example:

If anyone calls, ask for **their** number so I can call **them** back.

* In the given sentence, we have erroneously used an objective case of pronoun “They” i.e. “Them”. We need to show the possession or connection of “children” with “parents” (plural noun). Thus, the possessive adjective “Their” should be used in place of objective case (pronoun) “Them”.

* Hence, “**what their children**” is the correct substitution.

Thus, the correct sentence will be:

Parents must monitor what their children access on the internet as they are easily influenced.

18. B

Sol.

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

* “Childlike” is an adjective and it means having the qualities that children usually have.

For example:

He spoke, as always, with an almost **childlike** directness.

* “Child artist or Child actor” is a noun that means a child acting on stage or in movies or in television.

For example:

Child actors have always managed to stay forever in the minds of the viewers.

* In the given sentence, we are talking about the life of “Jagdeep” when he started his career in films at the age of 8 years. At such an age, one will definitely have the qualities like a child. So, there is no need to mention the word “like” before the noun “child” to show the sense of “qualities that are similar to that of child”. Thus, “like” should not be used before the noun “child”.

* Also, “live” as an adjective means “living”. This meaning does not resonate with the meaning of the sentence. Being a child implicitly means that he/she is alive. Thus, “live” should not be used before the noun “child”.

* Hence, both “**as a child actor**” and “**as a child artist**” are the correct substitution.

Thus, the correct sentence will be:

Jagdeep, the Bollywood comedian, began his film career at eight as a child artist in the 1950's.

OR

Jagdeep, the Bollywood comedian, began his film career at eight as a child actor in the 1950's.

19. C

Sol.

The underlined part of the sentence is grammatically incorrect.

* The underlined part needs correction in participle clause.

* A participle clause can express reason.

For example:

Being rather busy, I completely forgot the time.

Having lost my passport, I have to apply for a new one.

* In the underlined part, we have a clause that gives the reason of “affording the expensive treatment”. But we have used the wrong structure of participle clause. The correct structure of participle clause is: “**Being rich**”. “**Being**” in participle clause refers to the subject “he” mentioned after the underlined part. In simple words, the given sentence means that he was able to afford the expensive treatment because he was rich.

Note: Conjunction “As” is also used to show the reason but the use of the perfect form of verb “be” i.e. “been” is wrong to show the state or quality of a person.

* Hence, “**Being rich**” is the correct substitution.

Thus, the correct sentence will be:

Being rich, he can afford this expensive treatment.

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

20. B

Sol.

Let's understand the meaning of the given words:

Initiate = to make something begin.

E.g.: The government has **initiated** a programme of economic reforms.

Launch = to start an activity, especially an organized one.

Conclude = to come to an end; to bring something to an end.

E.g.: Let me make just a few **concluding** remarks.

Begin = to start doing something.

Inspire = to give someone the desire, confidence or enthusiasm to do something well.

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

21. D

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“About” as a preposition is used to show “the purpose of something”. Thus, option A is wrong.

“At” as a preposition is used to show the location which is relatively small or unknown or not so popular. Thus, option B is wrong.

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

“Of” as a preposition is used to show belonging/related to something. Here in the given sentence, it is used to mention that J.J. School of Art belongs to or is recognised as the premier institute for art and design in India.

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

22. B

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“Moved down” means to go downwards. Thus, option A is wrong.

“Moved about” means to move here and there in such a way that movement is around something. Thus, option C is wrong.

“Move up or over” means to change your position in order to make room for someone. Thus, option D is wrong.

“Moved to” means to change the place where you live, have your work etc. Here in the given sentence, it is used to mention that narrator changed his place from Mumbai, India to New York City, USA.

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

23. B

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“Finding” means information that is discovered as the result of research into something. Thus, option A is wrong.

“Observing” means to see or notice someone/something. Thus, option C is wrong.

“Discover” means to be the first person to become aware that a particular place or thing exists. Thus, option D is wrong.

“Found” is the third form of verb “find”. It means to discover something unexpectedly or by chance. In the given sentence, it is used to mention the discovery of unexpected culture in New York City by narrator when he moved from Mumbai.

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

24. A

Sol.

The given passage is about “Narrator’s academic journey of Art and Design”.

“Many” as a determiner is used with plural nouns and verbs to mean “large number of” in negative sentences. Thus, option B is wrong.

“More” as an adverb is used to form comparative of adjectives and adverbs with two or more syllables. Thus, option C is wrong.

“Much” as an adverb is used to show “to a great degree”. Thus, option D is wrong.

“Most” as an adverb means “very” or “extremely” or “completely”. Here in the given sentence, it is used to qualify an adverb “willingly” that means “someone is happy or pleased to do something. Usage of “most” before it adds the sense of “completeness” in the meaning of the word “willingly” i.e. narrator was “completely pleased” in embracing the different culture of New York City.

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

25. B

Sol.

The given passage is about “Narrator’s academic journey of Art and Design”.

“Exercising upon” means to use power, rights in order to achieve something. Thus, option A is wrong.

“Rehearsing for” means to practise or make people practise a play, piece of music, etc. in preparation for a public performance. Thus, option C is wrong.

“Measuring on” means to find the size, quantity, etc. of something in standard units. Thus, option D is wrong.

“Experimenting with” means to try or test new ideas, methods, etc. to find out what effect they have. In the given sentence, it is used to mention that it was only in New York City where narrator started testing different cuisines.

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

26. C

Sol. By checking all the options we find that the signs in option (C) when interchanged will make the equation correct as;

$$7 + 2 \times 5 - 4 \div 2 = 15$$

On solving L.H.S we get;

$$7 + 10 - 2$$

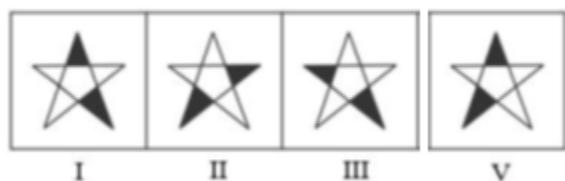
$$17 - 2 = 15$$

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

Hence, option C is the correct answer.

27. C

Sol. Logic is: the shaded triangle on the upper side is moving 1 step in clockwise direction also the shaded triangle on the lower side is moving 1 step in clockwise direction only. Thus figure (IV) will not fit into the pattern.



Hence, option C is the correct answer.

28. D

Sol. Here the second letter cluster is the opposite letter of the first letter cluster as per the Alphabetical order.

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

So, STRAW – HGIZD

Similarly,

NORTH - MLIGS

Hence, option D is the correct answer.

29. D

Sol. The pattern is as follows:

$$11^2 - 6 = 121 - 6 = 115$$

$$13^2 - 6 = 169 - 6 = 163$$

Similarly,

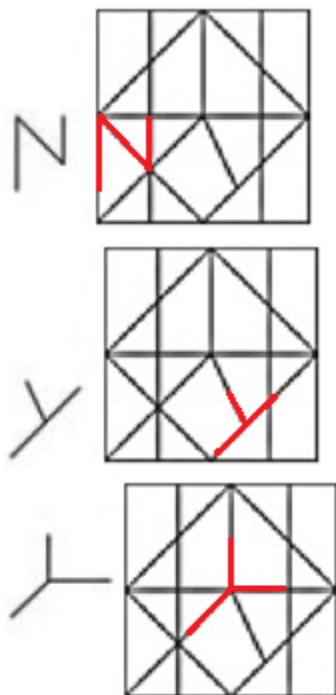
$$7^2 - 6 = 49 - 6 = 43$$

$$9^2 - 6 = 81 - 6 = 75$$

Hence, option D is the correct answer.

30. B

Sol. After we check for the embedded figure we find that except for figure in option (B) rest all are perfectly embedded in the given figure as shown below:



Hence, option B is the correct answer.

31. D

Sol. The pattern is as follows: + 36, + 60, + 90, + 126, + 168.....i.e.

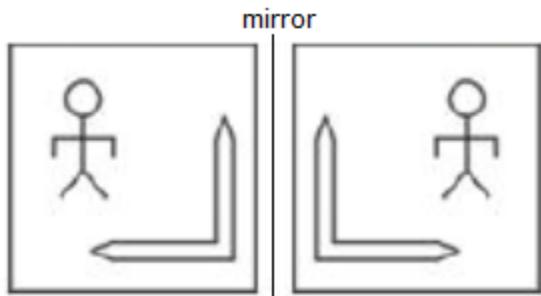
$$+ [6 \times (6 + 0)], + [6 \times (6 + 4)], + [6 \times (6 + 9)], + [6 \times (6 + 15)], + [6 \times (6 + 22)]$$

$$\text{So, missing term} = 336 + [6 \times (6 + 22)] = 336 + 168 = 504.$$

Hence, option D is the correct answer.

32. B

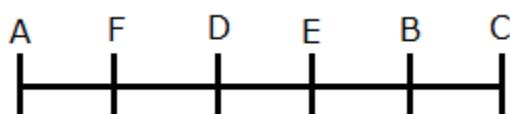
Sol. The correct mirror image will be as shown below:



Hence, option B is the correct answer.

33. B

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



Clearly, A is standing at the left end.

Hence, option B is the correct answer.

34. B

Sol. Logic: (sum of the 1st and 3rd number) $\times 4 = 2^{\text{nd}}$ number

So,

$$(15 + 13) \times 4 = 28 \times 4 = 112$$

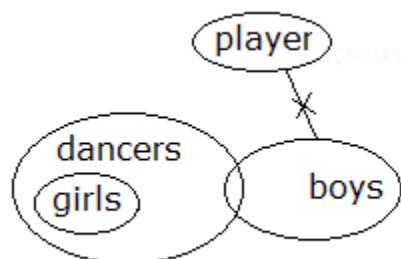
But similar pattern is not followed by (17, 102, 9);

$$(17 + 9) \times 4 = 26 \times 4 = 104 \text{ not } 102 \text{ (incorrect)}$$

Hence, option B is the correct answer.

35. D

Sol. The least possible Venn-diagram will be:



Conclusions:

- I. Some dancers are girls – It is a definite case, hence true.
- II. Some players are boys – It is not a definite case, hence false.
- III. Some dancers are players - It is not a definite case, hence false.

Thus, only conclusion I follow.

Hence, option D is the correct answer.

36. A

Sol. The pattern is:

$$\begin{array}{ccccccc} 5, & 9, & 16, & 29, & 54, & 103 \\ \swarrow +4 & \searrow +7 & \swarrow +13 & \searrow +25 & \swarrow +49 & \searrow +97 \end{array}$$

We have differences as:

$$(4 \times 2) - 1 = 7$$

$$(7 \times 2) - 1 = 13$$

$$(13 \times 2) - 1 = 25$$

$$(25 \times 2) - 1 = 49$$

Hence, option A is the correct answer.

37. B

Sol. The codes of the numbers are as follows:

Mary	7
went	3
Jammu	1
I	2 or 4
like	2 or 4
you	8 or 9
Goa	8 or 9

Clearly, the code for 'Jammu' is 1.

Hence, option B is the correct answer.

38. D

Sol. The codes of the numbers are as follows:

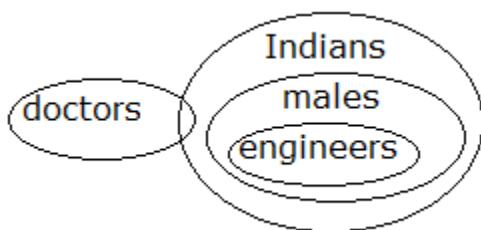
Who	1
are	7
you	3
we	2 or 4
girls	2 or 4
have	8 or 9
toys	8 or 9

Clearly, as per the given options the code for 'girls' is '4'.

Hence, option D is the correct answer.

39. B

Sol. The least possible Venn-diagram will be:



Conclusions:

I. Some males are doctors – It is not a definite case, hence false.

II. All engineers are Indians - It is a definite case, hence true.

Thus, only conclusion II follows.

Hence, option B is the correct answer.

40. B

Sol. Here the set of letters 'POMN' is repeating.

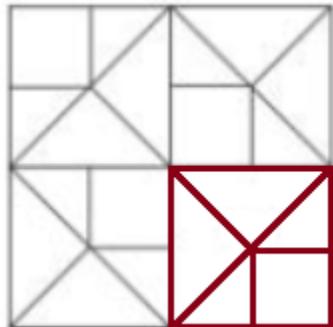
P O M N / P O M N / P O MN / P

Thus the correct set of combination is: OMPNPO

Hence, option B is the correct answer.

41. B

Sol. The figure in option (B) will complete the pattern of the given figure as shown below:



Hence, option B is the correct answer.

42. A

Sol. By replacing the signs given in option (A) the equation becomes:

$$3 \times 6 \div 2 + 8 \times 4 - 5 = 36$$

On solving L.H.S;

$$\Rightarrow 3 \times 6 \div 2 + 8 \times 4 - 5$$

$$\Rightarrow 3 \times 3 + 32 - 5$$

$$\Rightarrow 9 + 32 - 5$$

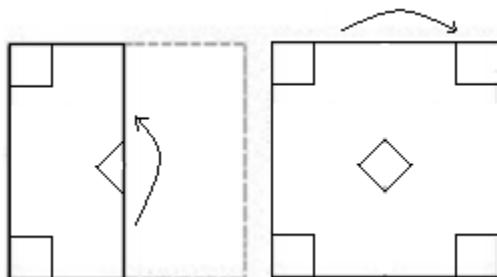
$$\Rightarrow 41 - 5 = 36$$

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

Hence, option A is the correct answer.

43. D

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



Hence, option D is the correct answer.

44. D

Sol. The pattern is as follows:

S	O	L	O
+1	-2	+3	-4
T	M	O	K

Similarly,

R	O	S	E
+1	-2	+3	-4
S	M	V	A

Hence, option D is the correct answer.

45. B

Sol. Logic: First alphabet in second letter cluster is reverse of the first alphabet of first letter cluster.
Similarly, second alphabet of second letter cluster is reverse of second alphabet of first letter cluster.

Thus, ROSE -> ILHV

Similarly,

HAND -> SZMW

Hence, option B is the correct answer.

46. B

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

O	Q	S	P	R	M	N

Clearly, P is beside S.

Hence, option B is the correct answer.

47. C

Sol. There are 11 players in Cricket team in similar way there are 6 players in the Volleyball team.
Hence, option C is the correct answer.

48. D

Sol. The correct order of Police ranks in ascending order is as follows:

II. Station House Officer

IV. Deputy Superintendent of Police

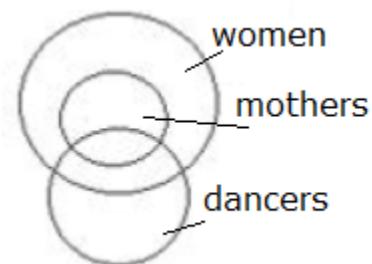
I. Superintendent of Police

III. Inspector General

Hence, option D is the correct answer.

49. A

Sol. Women can be both dancers and mother. But not all dancer are women only. Thus Venn-diagram in option (A) will best represent the given classes.



Hence, option A is the correct answer.

50. B

Sol. As decibel is the unit of sound in similar way Ampere is the unit of Electric current.

Hence, option B is the correct answer.

51. C

$$\frac{135 \div \frac{1}{3} \text{ of } 5 - 2\frac{2}{3} \div 1\frac{1}{3} + 6}{(15^2 + 9 \div 3) - \left(10 - 5 \times \frac{2}{5}\right)}$$

Using BODMAS :

$$\Rightarrow \frac{135 \div \frac{1}{3} \text{ of } 5 - \frac{8}{3} \div \frac{4}{3} + 6}{(15^2 + 9 \div 3) - \left(10 - 5 \times \frac{2}{5}\right)}$$

$$\Rightarrow \frac{135 \div \frac{5}{3} - \frac{8}{3} \div \frac{4}{3} + 6}{(225 + 3) - (8)}$$

$$\Rightarrow \frac{\left(135 \times \frac{3}{5}\right) - \left(\frac{8}{3} \times \frac{3}{4}\right) + 6}{220}$$

$$\Rightarrow \frac{(81) - (2) + 6}{220}$$

$$\Rightarrow \frac{79+6}{220} = \frac{85}{220} = \frac{17}{44}$$

52. D

Sol. Population of town = 2500

$$\text{Number of males} = 2500 \times \frac{55}{100} = 1375$$

$$\text{Number of females} = 2500 - 1375 = 1125$$

$$\text{Number of literate males} = 1375 \times \frac{92}{100} = 1265$$

$$\text{Literate population in town} = 2500 \times \frac{85}{100} = 2125$$

$$\text{Number of literate females} = 2125 - 1265 = 860$$

$$\text{Literacy rate of females in the town} = \frac{860}{1125} \times 100 = 76\frac{4}{9}\%$$

53. A

Sol. A shopkeeper sells 6 cardigans for Rs. 3,000 with 20% profit and 10 trousers for Rs. 6,380 with 16% profit.

$$\text{Total selling price of 6 cardigans and 10 trousers} = 3000 + 6380 = \text{Rs. 9380}$$

$$\text{Using : Cost price} = \text{Selling price} \times \frac{100}{(100 + \text{profit}\%)}$$

$$\text{Cost price of 6 cardigans} = 3000 \times \frac{100}{(120)} = \text{Rs. 2500}$$

$$\text{Cost price of 10 trousers} = 6380 \times \frac{100}{(116)} = \text{Rs. 5500}$$

$$\text{Total cost price of 6 cardigans and 10 trousers} = 2500 + 5500 = \text{Rs. 8000}$$

$$\text{Total profit per cent} = \frac{9380 - 8000}{8000} \times 100 = \frac{1380}{8000} \times 100 = 17.25\%$$

54. C

Sol.

Consider data given below:

11, k, 8, 9, (k-1), 11, 12, 12, 15, (k-1), 14

Mode: The mode is the value that appears most frequently in a data set.

Clearly, 12 and (k-1) has maximum frequency. Above data is a bimodal data i.e. above data has two modes i.e. 12 and (k-1)

According to question:

$$\Rightarrow k - 1 = 14$$

$$\Rightarrow k = 15$$

55. A

Sol. Two numbers are in the ratio 4:5.

Let first number = $4x$

Second number = $5x$

If 2 is subtracted from the first number and 2 is added to the second number, then their ratio becomes 2:3.

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

$$\Rightarrow 12x - 6 = 10x + 4$$

$$\Rightarrow 2x = 10$$

$$\Rightarrow x = 5$$

Difference between the two numbers = $5x - 4x = x = 5$

56. C

Sol. Five men working together can complete a work in 8 days. Om Prakash who can complete the same work independently in 24 days joined them after 4 days.

Let efficiency of man = M unit/day

Efficiency of Om Prakash = y unit/day

According to question:

$$\Rightarrow 5M \times 8 = y \times 24$$

$$\Rightarrow 5M = 3y$$

$$\Rightarrow M = \frac{3}{5}y \quad \dots\dots\dots(1)$$

Let Five men completed the work in x days and Omprakash joined them after 4 days.

$$\Rightarrow (5M \times x) + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow \left[5\left(\frac{3}{5}y\right) \times x \right] + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow [(3y) \times x] + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow 3x + [x - 4] = 24$$

$$\Rightarrow 4x = 28$$

$$\Rightarrow x = 7$$

Hence, Required number of days = 7 days

57. A

Sol.

$$\text{Central angle corresponding to the sector representing expenditure on Food} = \frac{\frac{20\%}{100\%}}{} \times 360^\circ = 72^\circ$$

58. C

Sol. A certain sum doubles itself on simple interest in 10 years.

Let Principal = Rs. P

Time = 10 years

Amount = Rs. 2P

Simple Interest = Rs. 2P – Rs. P = Rs. P

According to question:

$$\Rightarrow P = \frac{P \times R \times 10}{100}$$

$$\Rightarrow R = \frac{100}{10} = 10\%$$

Let sum will become 3 times of itself in 't' years.

Amount = Rs. 3P

Simple Interest = Rs. 3P – Rs. P = Rs. 2P

$$\Rightarrow 2P = \frac{P \times 10 \times t}{100}$$

$$\Rightarrow t = 20 \text{ years}$$

Hence, Sum will become 3 times of itself in 20 years.

59. A

Sol. Principal = Rs. 15000

Interest is compounded semi-annually.

$$\text{Rate} = \frac{\frac{8\%}{2}}{2} = 4\%$$

$$\text{Time} = 1 \times 2 = 2 \text{ year}$$

$$\text{Compound Interest} = P \left(1 + \frac{R}{100} \right)^t - P$$

Compound Interest =

$$15000 \left(1 + \frac{4}{100} \right)^2 - 15000 = 15000 \times \frac{26}{25} \times \frac{26}{25} - 15000 = \text{Rs. } 16224 - \text{Rs. } 15000 = \text{Rs. } 1224$$

60. B

Sol. $0.04 \div 0.002 + 0.5 \times 0.002 \div 0.0004$

Using BODMAS:

$$\Rightarrow \frac{4000}{200} + 0.5 \times \frac{20000}{4000} = 20 + 0.5 \times 5 = 20 + 2.5 = 22.5$$

61. C

Sol. In a 200 m walk race, Zakia walks at an average speed of 5 km/h. She gives a start of 20 m to Veena and still beats her by 18 seconds.

Time taken by Zakia to travel 200 m =

$$\frac{200}{5} \times \frac{1}{1000} = \frac{1}{25} \text{ hour} = \frac{3600}{25} \text{ seconds} = 144 \text{ seconds}$$

Distance travelled by Veena = 200 m – 20 m = 180 m

Time taken by Veena to travel 180 m = 144 seconds + 18 seconds = 162 seconds

$$\text{Average speed of Veena (in km/hr)} = \frac{180}{162} \times \frac{3600}{1000} = \frac{648}{162} = 4 \text{ km/hr}$$

62. D

Sol. During festival time, electric gadget with marked price of Rs.5000 is sold for Rs.4250 after giving certain discount.

Discount = Rs. 5000 – Rs. 4250 = Rs. 750

$$\text{Discount \%} = \frac{750}{5000} \times 100 = 15\%$$

If discount % is reduced by 5% then discount % = 15% - 5% = 10%

$$\text{Selling price of electric gadget} = 5000 - 5000 \times \frac{10}{100} = 5000 - 500 = \text{Rs. 4500}$$

Hence, Electric gadget will be available to the customers for Rs. 4500.

63. B

Sol. Amar drives his car for 2 hours at a speed of 70 km/h, for 3 hours at a speed of 80 km/h and for 1 hour at a speed of 40 km/h and reaches his hometown.

$$\text{Total distance travelled by Amar} = 2 \times 70 + 3 \times 80 + 1 \times 40 = 140 + 240 + 40 = 420 \text{ km}$$

$$\text{Total time taken} = 2 \text{ hours} + 3 \text{ hours} + 1 \text{ hour} = 6 \text{ hours}$$

$$\text{Average speed (in km/h) by Amar} = \frac{420}{6} = 70 \text{ km/hr}$$

64. C

Sol. Rs. 21,000 is divided among A, B and C in such a way that the shares of A and B are in the ratio 2:3, and those of B and C are in the ratio 4:5.

$$A : B = 2 : 3$$

$$\Rightarrow A : B = 8 : 12 \dots\dots\dots(1)$$

$$B : C = 4 : 5$$

$$\Rightarrow B : C = 12 : 15 \dots\dots\dots(2)$$

Combined (1) and (2)

$$\text{Now, } A : B : C = 8 : 12 : 15$$

$$\text{Share of B} = \frac{12}{8+12+15} \times 21000 = \frac{12}{35} \times 21000 = \text{Rs.} 7200$$

65. C

Sol. Area of the shaded region = $80 \times 50 = 4000 \text{ m}^2$

Area of the unshaded region is 35% of the area of the shaded region.

$$\text{Area of the unshaded region} = \frac{35}{100} \times 4000 = 1400 \text{ m}^2$$

Total area of shaded region and unshaded region = $4000 + 1400 = 5400 \text{ m}^2$

From figure:

$$\Rightarrow (80+x)(50+x) = 5400$$

$$\Rightarrow 4000 + 80x + 50x + x^2 = 5400$$

$$\Rightarrow x^2 + 130x - 1400 = 0$$

$$\Rightarrow x^2 + 140x - 10x - 1400 = 0$$

$$\Rightarrow x(x+140) - 10(x+140) = 0$$

$$\Rightarrow (x+140)(x-10) = 0$$

$$\Rightarrow x = -140 \text{ OR } x = 10$$

As x is length therefore x cannot be negative.

Hence, $x = 10$

66. D

Sol. Three cubes each having volume 1728 cm^3 are placed one above the other.

Let side of each cube = $x \text{ cm}$

$$\Rightarrow x^3 = 1728 \text{ cm}^3$$

$$\Rightarrow x = 12 \text{ cm}$$

Side of each cube = 12 cm

Three cubes each having volume 1728 cm^3 are placed one above the other.

Resulting solid will be in the form of cuboid.

Total surface area of the resulting solid =

$$2(lb + bh + hl) = 2(12 \times 12 + 12 \times 36 + 12 \times 36) = 24(84) = 2016 \text{ cm}^2$$

67. C

Sol. A and B started a business by investing Rs. 70,000 each. After 10 months A invests an additional amount of Rs. 40,000. After 2 more months B withdraws Rs. 20,00. After 2 more months a third person C joins the business and invests Rs. 40,000.

We know that: Profit = Amount invested \times time

A 's profit : B 's profit : C 's profit =

$$(70000 \times 10) + (110000 \times 14) : (70000 \times 12) + (50000 \times 12) : (40000 \times 10) = 224 : 144 : 40$$

According to question:

$$\Rightarrow 40 \text{ unit} = \text{Rs. } 7500$$

$$\Rightarrow 1 \text{ unit} = \text{Rs. } 187.5$$

$$\Rightarrow 224 \text{ unit} = 42000$$

Hence, A's share in the profit = Rs. 42000

68. C

Sol. Total enrolment in 1999 = 329 + 189 = 518

Total enrolment in 1998 = 292 + 186 = 478

Total enrolment in 1997 = 290 + 250 = 540

Total enrolment in 2000 = 312 + 205 = 517

Hence, total enrolment is highest in 1997.

69. D

Sol. The average monthly pocket money of 24 girls in a class is Rs. 275, whereas for 16 boys of the class it is Rs. 325.

$$\text{Sum of monthly pocket money of 24 girls} = 275 \times 24 = \text{Rs. } 6600$$

$$\text{Sum of monthly pocket money of 16 boys} = 325 \times 16 = \text{Rs. } 5200$$

$$\text{Average monthly pocket money of the whole class} = \frac{6600 + 5200}{24 + 16} = \frac{11800}{40} = \text{Rs. } 295$$

70. B

Sol. Let two numbers are x and y.

$$\Rightarrow x - y = 20 \dots\dots\dots(1)$$

Product of two numbers = $LCM \times HCF$

$$\Rightarrow xy = 240 \times 20$$

$$\Rightarrow xy = 4800$$

$$\text{Now, } (x+y)^2 = (x-y)^2 + 4xy$$

$$\Rightarrow (x+y)^2 = (20)^2 + 4(4800) = 400 + 19200 = 19600$$

$$\Rightarrow x + y = 140 \dots\dots\dots(2)$$

Adding (1) and (2)

$$\Rightarrow 2x = 160$$

$$\Rightarrow x = 80$$

Put the value of x in (2)

$$\Rightarrow 80 + y = 140$$

$$\Rightarrow y = 140 - 80 = 60$$

Greater number = 80

71. D

Sol. The production of company A during 1996-98 =

$$24 + 29 + 34 = 87 \text{ LAKH METERS}$$

Production of company B during 1998-2000 = $38 + 49 + 55 = 142$ LAKH METERS

Production of company C during 1998-2000 = $59 + 51 + 52 = 162$ LAKH METERS

Average production of companies B and C during 1998-2000 =

$$\frac{142 + 162}{2} = \frac{304}{2} = 152 \text{ LAKH METERS}$$

$$\text{Required percentage} = \frac{87}{152} \times 100 = 57.24\%$$

72. B

Sol. A shopkeeper purchased 10 chairs at the rate of Rs. 1,450 per chair and spent Rs. 600 as cartage.

$$\text{Total cost price of 10 chairs} = 1450 \times 10 + 600 = 14500 + 600 = \text{Rs. } 15100$$

Profit = 10%

$$\text{Selling price of 10 chairs} = 15100 \times \frac{110}{100} = \text{Rs. } 16610$$

$$\text{Now, Selling price of each chair} = \frac{\text{Rs. } 16610}{10} = \text{Rs. } 1661$$

73. A

Sol. Eight metallic spheres of radius 1 cm are melted from one sphere.

Let radius of each 8 metallic spheres = r cm

Radius of resulting sphere = R cm

Volume of eight metallic spheres = Volume of resulting sphere

$$\Rightarrow 8 \times \frac{4}{3} \pi r^3 = \frac{4}{3} \pi R^3$$

$$\Rightarrow 8 \times \frac{4}{3} \pi (1)^3 = \frac{4}{3} \pi R^3$$

$$\Rightarrow 8 = R^3$$

$$\Rightarrow R = 2 \text{ cm}$$

Radius of the resulting sphere = 2 cm

74. D

Sol. 6 men can do a piece of work in 64 days. 24 women can complete the same work in 32 days.

Let efficiency of man = M unit/day

Efficiency of woman = W unit/day

According to question:

$$\Rightarrow 6M \times 64 = 24W \times 32$$

$$\Rightarrow M = 2W \dots\dots\dots(1)$$

16 men and 24 women work together for 12 days, after which 8 men and 8 women leave the work.

After 12 days, 8 men and 16 women will work .

Let 8 men and 16 women will work for x days.

$$\Rightarrow (16M + 24W) \times 12 + (8M + 16W) \times x = 6M \times 64$$

$$\Rightarrow 8[(2M + 3W) \times 12] + 8[(M + 2W) \times x] = 6M \times 64$$

$$\Rightarrow [(2M + 3W) \times 12] + [(M + 2W) \times x] = 6M \times 8$$

From (1)

$$\Rightarrow [(4W + 3W) \times 12] + [(2W + 2W) \times x] = 6(2W) \times 8$$

$$\Rightarrow [(7W) \times 12] + [(4W) \times x] = (12W) \times 8$$

$$\Rightarrow [84] + [4x] = 96$$

$$\Rightarrow 4x = 12$$

$$\Rightarrow x = 3$$

Required number of days = 12 + 3 = 15 days

75. B

Sol. A car covers a certain distance moving at a constant speed of 50 km/h in 3 hours.

Distance covered by car in 3 hours = $50 \times 3 = 150$ km

$$\frac{150}{40} = 3\frac{3}{4} \text{ hour}$$

Time taken to cover 150 km @ 40 km/hr =

$$\text{Required time} = 3\frac{3}{4} - 3 = \frac{3}{4} \text{ hour} = \frac{3}{4} \times 60 = 45 \text{ minutes}$$

76. D

- Sol. • In June 2020, **World Bank** approved a **\$500million Strengthening Teaching-Learning and Results for States Program (STARS)**.
• This project will help to improve the quality and governance of school education in six Indian states--**Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra, Odisha, and Rajasthan**.
• The World Bank was founded in July 1944.
• It is headquartered in Washington D.C., USA.
• David Malpass is the current president of World Bank.

77. A

- Sol. • **Bhagat Singh** was not an accused in the Kakori Train Robbery case.
• The Kakori Train Robbery was a train robbery that took place at **Kakori, a village near Lucknow on 9 August 1925**.
• It was organised by **Hindustan Republican Association (HRA)**.
• The robbery plan was executed by Ram Prasad Bismil, Ashfaqullah Khan, Rajendra Lahiri, Chandrashekhar Azad, Sachindra Bakshi, Keshab Chakravarty, Manmathnath Gupta, Mukundi Lal, Murari Lal Gupta and Banwari Lal.

78. C

- Sol. • **Ibn Battuta** was the famous Moroccan traveller.
• He came to Delhi in 1334 during the reign of **Muhammad Bin Tughlaq (AD 1325-1351)**.
• He acted as the **Qazi of capital for 8 years**.
• He recorded the contemporary Indian scene in his famous book "**Rahela**".

79. A

- Sol. • **Assam** was annexed with British ruled India after the **Treaty of Yandabo**.
• It was the peace treaty that resulted at the end of the First Anglo Burmese War.

- The Treaty was signed on **24 February 1826** after two years of the war between British and Burmese.

- According to this treaty, **Assam, Manipur, Arakan, Taninthai** were ceded to British.

80. D

Sol. • **Renuka** lake is located in the **Sirmaur district of Himachal Pradesh**.

- It is 672 m above the sea level.
- It is the largest lake in Himachal Pradesh.
- This lake was named after the goddess Renuka.
- Renuka was the mother of Parshuram.
- It is designated as Ramsar site since **November 2005**.

81. B

Sol. • **Maharashtra** (48.6%) has the largest catchment area of Godavari Basin, followed by **Telangana (18.8%), Andhra Pradesh (4.5%), Chhattisgarh (10.9%) and Odisha (5.7%)**.

- Godavari is the India's second longest river after the Ganga and third largest in India.
- The Godavari originates in the Western Ghats of central India near Nashik in Maharashtra.

82. C

Sol. • **Gold** is one of the least reactive chemical elements.

- Gold is a chemical element with the symbol Au and atomic number 79.
- Silver and platinum are also metals with the least reactivity.

83. C

Sol. • **The National Air Quality Index (AQI)** in India was launched on **17 September 2014** under the **Swachh Bharat Abhiyan** by the **Environment Minister Prakash Javadekar**.

- There are **six pollutants** included to measure Air Quality Index in India.
- These pollutants are: **carbon monoxide, lead, nitrogen oxides, ground-level ozone, particle pollution, and sulfur oxides**.
- There are six Air Quality Index (AQI) categories to measure Air Quality Index, namely Good, Satisfactory, Moderately polluted, Poor, Very Poor, and Severe.

84. C

Sol. • **Article 38 of the Indian Constitution** directs the state to secure a social order for the promotion of welfare of the people.

- Article 42 directs the state to make provision for just and humane conditions for work and maternity relief.
- Article 44 deals with uniform civil code.
- Article 45 directs the state to provide early childhood care and education for all children until they complete the age of six years.

85. A

- Sol. ● **Vallabhacharya** was the founder of the Bhakti sect named '**Pushtimarg**'.
- He founded this sect in the early 16th century.
 - **Krishna** is the chief deity of this sect.

86. A

- Sol. ● **Iron** is the most abundant element, by mass, in the Earth, constituting about 80% of the inner and outer cores of Earth.
- Iron is the **second most abundant element** in Earth's crust.
 - Aluminium is the most abundant metal on earth's crust is Aluminium.
 - Oxygen, silicon, iron and aluminum are the most abundant elements in the Earth's crust.

87. A

- Sol. ● **Mango** is the state tree of Maharashtra.
- **Jarul flower** is recognized as the state flower of Maharashtra.
 - Maharashtra was formed on May 1, 1960.
 - Uddhav Thackeray is the current chief minister of Maharashtra.
 - Bhagat Singh Koshyari is the current governor of Maharashtra.

88. D

- Sol. ● India's Nitin Menon was inducted in the ICC Elite Panel of Umpires for the 2020-21 by the International Cricket Council (ICC).
- He replaced England's' Nigel Llong.
 - He is an Indian cricketer and umpire.
 - The International Cricket Council (ICC) is the world governing body of cricket. It was founded as the Imperial Cricket Conference in 1909.
 - It is headquartered in Dubai, UAE.

89. B

- Sol. ● **Calaverite is an uncommon telluride of gold.**

- It is a metallic mineral with the chemical formula AuTe₂.
- It was first discovered in Calaveras County, California in 1861.

90. A

- Sol. • Dolomite is a **magnesium ore** with the general formula **MgCO₃·CaCO₃**.
• It is an anhydrous carbonate mineral composed of calcium magnesium carbonate.
• The mineral dolomite was probably first described by Carl Linnaeus in 1768.

91. A

- Sol. • **Ashok Lavasa was appointed as the Vice- President of the Philippines-based Asian Development Bank (ADB) in July 2020.**
• He assumed the position in September 2020.
• He has replaced Diwakar Gupta.
• He is a retired 1980 batch Indian Administrative Service officer of Haryana cadre.
• The Asian Development Bank (ADB) is a regional development bank.
• It was established on 19 December 1966.
• It is headquartered in Mandaluyong, Metro Manila, Philippines.
• **Masatsugu Asakawa** is the current president of ADB.

92. A

- Sol. • **Thomas Robert Malthus is credited with giving a theory of population growth in his work titled 'Essay on Population' (1798).**
• He was an English scholar and influential economist in the fields of political economy and demography.
• According to Malthus, 'Population' grows at a doubling rate (1, 2, 4, 8, 16, 32), while resources increase at a normal rate (1, 2, 3, 4, 5). As a result, the population doubles after every 25 years.

93. B

- Sol. • **Article 52** of the Constitution of India states that there shall be a President of India.
• Article 58 deals with the qualification of President.
• Article 54 stipulates about the election of the President.
• The President is the head of the Indian state.
• He is the first citizen of India and acts as the symbol of unity, integrity and solidarity of the nation.

94. D

- Sol. • **Anjum Moudgil** is an Indian sport shooter.
• She is from Chandigarh and represents Punjab.
• Laishram Sarita Devi, Jamuna Boro and Manju Rani are the Indian boxer.

95. D

- Sol. • During the reign of **Nasiruddin Muhammad Shah** (son of Iltutamish), Balban primarily dealt with the state affairs.
• Ghiyasuddin Balban ascended the throne in 1265, after killing all members of Iltutamish.
• He himself was a member of Chalisa or Chahalgani (constituted by Iltutmish).
• He introduced Persian etiquettes like 'Sijda' and 'Paibos'.

96. C

- Sol. • In April 2020, UB Pravin Rao, Chief Operating Officer of Infosys was appointed as the Chairman of NASSCOM.
• The National Association of Software and Service Companies (NASSCOM) is an Indian non-governmental trade association and advocacy group.
• It was established in 1988.
• It is headquartered in **Noida, Uttar Pradesh**.
• **Rekha M.Menon** is the current chairman of NASSCOM.

97. A

- Sol. • According to the Economic Survey, 2019-20, registering a property in **Delhi and Mumbai takes 49 and 68 days, respectively**.
• According to this report, registering a property in China and New Zealand takes 9 days and 3.5 days respectively.
• The Union Minister for Finance & Corporate Affairs, Smt. Nirmala Sitharaman presented the Economic Survey 2019-20 in the Parliament on January 31, 2020.

98. C

- Sol. • Dinesh Goswami Committee was formed in 1990 to make recommendations on **electoral reforms**.
• The most important recommendation of this committee was that no person should be allowed to contest more than two constituencies and the security deposit of independent candidates should be increased.

- The security deposit of all such candidates should be forfeited, who could not get one-fourth of the votes in the election.

99. D

Sol. • Rajasthan was formed on November 1, 1956

• It is the largest state of India in terms of area.

• **The great Indian bustard (Sonchiriya)** is the state bird of Rajasthan.

• **Chinkara** is the state animal of Rajasthan.

• "Rohida" is the state flower of Rajasthan.

• Ashok Gehlot is the current chief minister of Rajasthan.

• Kalraj Mishra is the current governor of Rajasthan.

100. C

Sol. • **Tata Group** is the only Indian brand to feature in the top 100 of the Brand Finance Global 500 2020 – the ranking of the world's 500 most valuable brands.

• Tata Group is operating in more than 100 countries, across six continents.

• It is the **5th most valuable corporate in Asia**.

• Tata Group was founded in 1868 by Jamshedji Tata.

Mock Test Solutions in Hindi

Questions

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

A person who examines, diagnoses and treats eyes.

- | | |
|--------------------|--------------------|
| A. Optician | B. Econometrist |
| C. Ophthalmologist | D. Chronobiologist |

2. Select the INCORRECTLY spelt word.

- | | |
|--------------|-------------|
| A. Stagnant | B. Imminent |
| C. Continent | D. Exponent |

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

I totally disagree with his _____ proposal as he has not weighed the pros and cons.

- | | |
|--------------|----------------|
| A. realistic | B. conceivable |
| C. rational | D. ridiculous |

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

MIMIC

- A. Fail
 - B. Prevent
 - C. Copy
 - D. Attempt

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

Schools were brought to an abrupt standstill when the lockdown was imposed.

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

Once the interview was over I _____ felt light and free.

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

MAGNANIMOUS

- | | |
|---------------|--------------|
| A. Charitable | B. Malicious |
| C. Suspicious | D. Unstable |

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

Chandigarh is a model city with sectors that are _____ with spaces for living, working and leisure.

- | | |
|-------------------|--------------------|
| A. dependent | B. self-sufficient |
| C. self-righteous | D. inferior |

9. Select the INCORRECTLY spelt word.

- | | |
|-------------|-------------|
| A. Occupant | B. Rampant |
| C. Academic | D. Abdicate |

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

UNFEELING

- | | |
|-----------|-----------------|
| A. Cruel | B. Affectionate |
| C. Modest | D. Aloof |

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

Whet your appetite

- | | |
|--------------------------------|-------------------------------|
| A. To want something more | B. To find the food tasteless |
| C. To feel lonely and isolated | D. To go on a diet |

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

Get something off one's chest

- | | |
|--|---|
| A. To escape from a dangerous situation | B. To defeat someone in a physical fight |
| C. Talk about something that is worrying you | D. To stop oneself from confiding in a friend |

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

A person who is forgetful and unable to concentrate or think clearly

- | | |
|-----------------|----------------|
| A. Scatterbrain | B. Systematic |
| C. Logical | D. Intelligent |

14. 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'.

It is important to be aware of what we eat as food choices play an important role and affect their lifespan.

- A. affect your
 - B. affect our
 - C. affect her
 - D. No substitution required

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

From all her birthday presents, Vanya liked the alphabetical mat the most.

- A. Except
 - B. Between
 - C. No substitution required
 - D. Amongst

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

Some of Guru Dutt's _____ classics are being screened on MUBI these days.

- | | |
|------------------|-------------|
| A. unforgettable | B. eventful |
| C. dependable | D. catchy |

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

Parents must monitor what their children access on the internet as they are easily influenced.

- A. what them children
 - B. access on the internet
 - C. Parents must monitor
 - D. as they are easily influenced

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

Jagdeep, the Bollywood comedian, began his film career at eight as a live childlike actor in the 1950's.

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'.

As been rich, he can afford this expensive treatment.

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

INITIATE

- A. Launch
- B. Conclude
- C. Begin
- D. Inspire

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.

I studied at the J.J. School of Art in Mumbai, India's premier institute (1) _____ art and design. After two years I (2) _____ New York City to further my studies. I soon (3) _____ myself in a totally different culture which I embraced (4) _____ willingly. Interestingly, it was in New York that I began (5) _____ different cuisines.

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

- A. about
- B. at
- C. with
- D. of

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

- A. moved down
- B. moved to
- C. moved about
- D. move up

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

- A. finding
- B. found
- C. observing
- D. discover

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

- A. most
- B. many
- C. more
- D. much

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

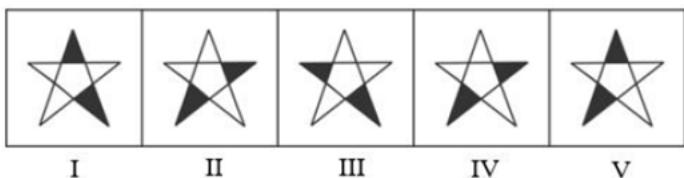
- A. exercising upon
- B. experimenting with
- C. rehearsing for
- D. measuring on

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

$$7 \div 2 \times 5 - 4 + 2 = 15$$

- A. - और \div
B. + और -
C. \div और +
D. \times और \div

27. ज्ञात कीजिए कि कौन सी आकृति को हटाया जाना है ताकि । से शुरू होकर सभी एक पैटर्न में फिट हो जाएं ।



- A. II
B. V
C. IV
D. III

28. उस विकल्प का चयन करें जो तीसरे अक्षर-समूह से उसी प्रकार संबंधित है जिस प्रकार दूसरा अक्षर-समूह पहले अक्षर-समूह से संबंधित है ।

STRAW : HGIZD :: NORTH : ?

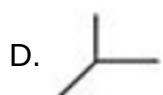
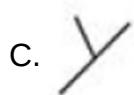
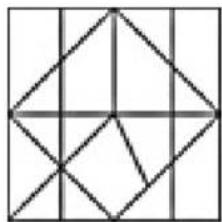
- A. MLGSI
B. CBISL
C. CBISD
D. MLIGS

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

115 : 163

- A. 48 : 78
B. 163 : 99
C. 75 : 110
D. 43 : 75

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



31. उस संख्या का चयन करें जो दी गई संख्या शृंखला में प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित कर सकती है।

24, 60, 120, 210, 336, ?

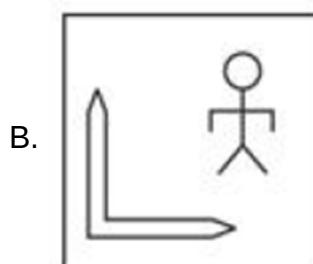
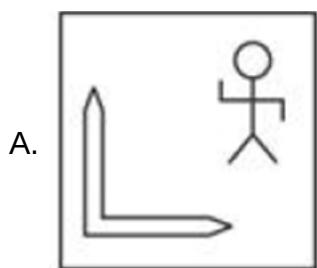
A. 428

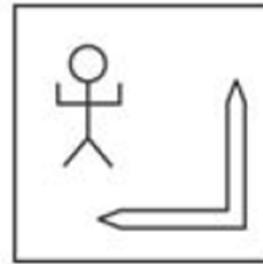
B. 390

C. 490

D. 504

32. दी गई आकृति की सही दर्पण छवि का चयन करें जब दर्पण को आकृति की दाईं ओर स्थापित किया जाता है।





(15, 112, 13)

- A. (11, 76, 8) B. (17, 102, 9)
C. (13, 96, 11) D. (12, 72, 6)

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

कथनः

1. सभी लड़कियां, नर्तकी हैं।
 2. कुछ नर्तक, लड़के हैं।
 3. कोई लड़का, खिलाड़ी नहीं है।

ନିଷ୍କର୍ଷ-

- I. कुछ नर्तकियां, लड़कियां हैं।
 - II. कुछ सिखलाड़ी, लड़के हैं।

- III. कुछ नर्तक, खिलाड़ी हैं।
A. केवल निष्कर्ष ||| अनुसरण करता है
C. दोनों निष्कर्ष || और ||| अनुसरण करते हैं

B. दोनों निष्कर्ष | और || अनुसरण करते हैं
D. केवल निष्कर्ष | अनुसरण करता है

36. उस संख्या का चयन करें जो दी गई संख्या शृंखला में प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित कर सकती है।

5, 9, 16, 29, ?, 103
A. 54 B. 78
C. 86 D. 92

37. एक निश्चित कूट भाषा में, '137' का अर्थ 'Mary went Jammu' है, '274' का अर्थ 'I like Mary' है, और '893' का अर्थ 'you went Goa' है। कौन सा विकल्प 'Jammu' के लिए कूट है?
A. 9 B. 1
C. 2 D. 8

38. एक निश्चित कूट भाषा में, '137' का अर्थ 'who are you' है, '274' का अर्थ 'we are girls' है, और '893' का अर्थ 'you have toys' है। कौन सा विकल्प 'girls' के लिए कूट हो सकता है?
A. 3 B. 7
C. 8 D. 4

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

कथनः

1. कुछ भारतीय, चिकित्सक हैं।
 2. सभी पुरुष, भारतीय हैं।
 3. सभी इंजीनियर, पर्याप्त हैं।

ନିଷ୍ଠାର୍ଥ-

- I. कुछ पुरुष, चिकित्सक हैं।
II. सभी इंजीनियर, भारतीय हैं।

A. न तो निष्कर्ष। न ही। अन्सरण करता है

B. केवल निष्कर्ष। अन्सरण करता है

C. केवल निष्कर्ष। अनुसरण करता है

D. दोनों निष्कर्ष। और || अनुसरण करते हैं

40. अक्षरों के उस संयोजन का चयन करें जिसे दी गई अक्षर शृंखला के रिक्त स्थानों में क्रमिक रूप से रखे जाने पर शृंखला पूर्ण हो जाएगी।

P_ _N_O_M_ _ _M_N_P

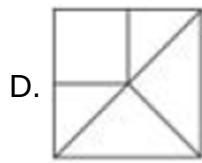
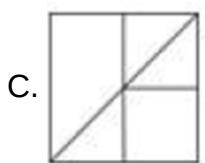
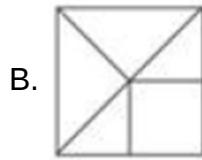
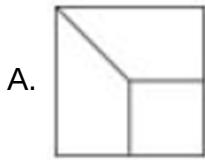
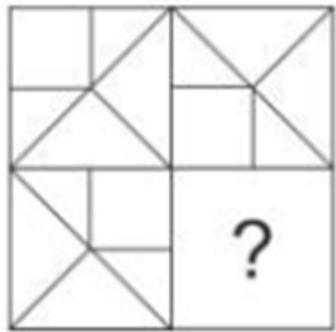
A. M_O_N_P_N_P

B. O_M_P_N_P_O

C. O_P_M_N_P_O

D. N_P_O_M_P_O

41. दिए गए विकल्पों में से चयन करके दिए गए पैटर्न के लुप्त हिस्से को पूरा करें।



42. * प्रतीकों को क्रमिक रूप से प्रतिस्थापित करने और दिए गए समीकरण को संतुलित करने के लिए गणितीय प्रतीकों के सही संयोजन का चयन करें।

$$3 * 6 * 2 * 8 * 4 * 5 * 36$$

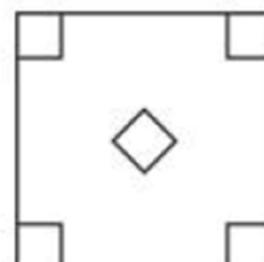
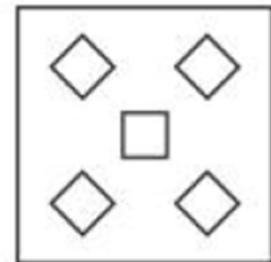
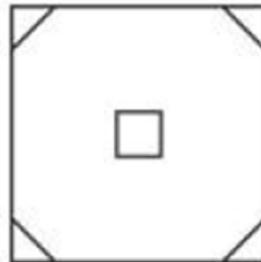
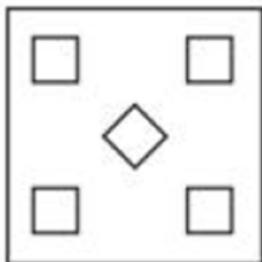
A. $\times, \div, +, \times, -, =$

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

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

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

43. एक कागज को पहली आकृति में दर्शाए अनुसार बिंदीदार रेखाओं पर मोड़ा जाता है, तथा तीसरी आकृति में दर्शाए अनुसार काटा जाता है। कागज खोले जाने पर कैसा दिखाई देगा?



P कहाँ स्थित है?

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

क्रिकेट : ग्यारह :: वॉलीबॉल : ?

- A. नौ B. सात
C. छह D. आठ

48. निम्नलिखित को तार्किक और सार्थक क्रम में व्यवस्थित करें।

- ## I. पुलिस अधीक्षक

- ## II. थाना गृह अधिकारी

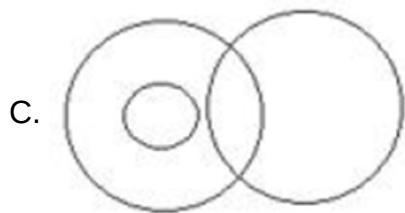
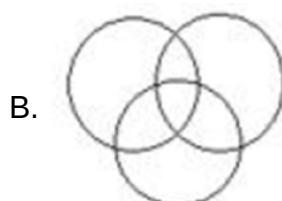
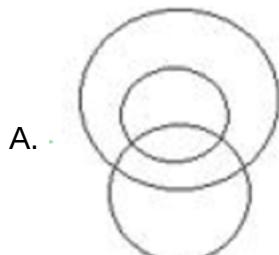
- ### III. महानिरीक्षक

- #### IV. पलिस उपाधीक्षक

- A. III. IV. II. I

- C. II. III. I. IV

49. निम्नलिखित में से कौन सा आरेख महिलाओं, माताओं और नर्तकियों के बीच सबसे अच्छे संबंध को दर्शाता है?



50. उस विकल्प का चयन करें जो तीसरे पद से उसी प्रकार संबंधित है जिस प्रकार दूसरा पद पहले पद से संबंधित है।

डेसीबल : धनि : : एम्पीयर : ?

51. निम्नलिखित व्यंजक को सरल करें:

$$\frac{135 \div 5 \text{ का } \frac{1}{3} - 2\frac{2}{3} \div 1\frac{1}{3} + 6}{(152 + 9 \div 3) - \left(10 - 5 \times \frac{2}{5}\right)}$$

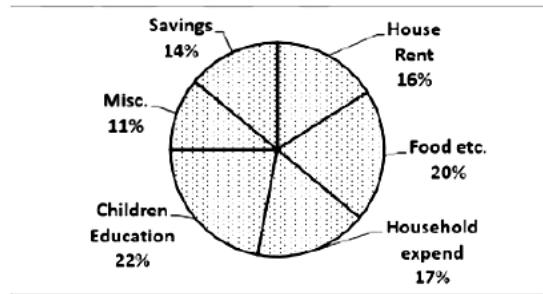
- A. $\frac{17}{10}$
B. $\frac{217}{226}$
C. $\frac{17}{44}$
D. $\frac{73}{26}$

52. 85% साक्षरता दर वाले शहर की जनसंख्या 2500 है। यदि पुरुष जनसंख्या 55% है। और उनमें से 92% साक्षर हैं, तो शहर में महिलाओं की साक्षरता दर ज्ञात कीजिए।
A. 85%
B. 75%
C. $72\frac{5}{9}\%$
D. $76\frac{4}{9}\%$
53. एक दुकानदार 20% लाभ के साथ 3,000 रुपये में 6 कार्डिंगन बेचता है और 16% लाभ के साथ 10 पतलून 6,380 रुपये में बेचता है। तो उसका कुल लाभ प्रतिशत ज्ञात करें।
A. 17.25%
B. 11.38%
C. 18%
D. 8%
54. यदि निम्नलिखित आंकड़ों का बहुलक 14 है, तो k का मान ज्ञात करें?

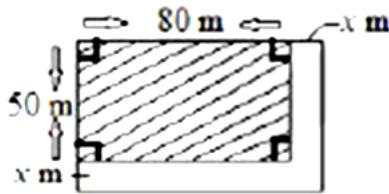
11, k, 8, 9, (k-1), 11, 12, 12, 15, (k-1), 14

- A. 13
B. 11
C. 15
D. 12

55. दो संख्याएँ 4:5 के अनुपात में हैं। यदि पहली संख्या में से 2 घटाया जाए और दूसरी संख्या में 2 जोड़ा जाए, तो उनका अनुपात 2:3 हो जाता है। तो दोनों संख्याओं के बीच का अंतर ज्ञात करें।
A. 5
B. 1
C. 9
D. 2
56. एक साथ काम करने पर पांच आदमी एक कार्य को 8 दिनों में पूरा कर सकते हैं। ओम प्रकाश जो उसी कार्य को स्वतंत्र रूप से 24 दिनों में पूरा कर सकता है, 4 दिनों के बाद उनके साथ जुड़ जाता है। तो अब इन परिस्थितियों में यह कार्य कितने दिनों में पूरा होगा?
A. 5
B. 3
C. 7
D. 4
57. यदि गुप्ता परिवार अपनी मासिक आय को विभिन्न मर्दों पर खर्च करता है जैसा कि निम्नलिखित पाई चार्ट में दिखाया गया है। तो भोजन आदि पर व्यय का प्रतिनिधित्व करने वाले क्षेत्र के अनुरूप केंद्रीय कोण ज्ञात करें।



- | | |
|--|-----------------|
| A. 72^0 | B. 18^0 |
| C. 60^0 | D. 80^0 |
| एक निश्चित राशि साधारण ब्याज पर 10 वर्षों में दोगुनी हो जाती है। तो समान ब्याज दर पर कितने वर्षों में यह स्वयं की 3 गुनी हो जाएगी? | |
| A. 12 | B. 16 |
| C. 20 | D. 15 |
| एक वर्ष में 8% प्रति वर्ष के ब्याज पर, यदि ब्याज अर्ध-वार्षिक रूप से संयोजित होता है तो 15,000 रुपये की राशि पर चक्रवृद्धि ब्याज कितना होगा? | |
| A. 1,224 रुपये | B. 6,224 रुपये |
| C. 1,200 रुपये | D. 16,224 रुपये |
| $0.04 \div 0.002 + 0.5 \times 0.002 \div 0.0004$ का मान ज्ञात करें। | |
| A. 20 | B. 22.5 |
| C. 22 | D. 21.5 |
| 200 मीटर की पैदल दौड़ में, जकिया 5 किमी/घंटा की औसत गति से चलती है। वह वीना को पहले 20 मीटर दौड़ने का मौका देती है और फिर भी उसे 18 सेकंड से हरा देती है। तो वीना की औसत गति (किमी/घंटा में) ज्ञात करें। | |
| A. 4.2 | B. 4.5 |
| C. 4 | D. 3.5 |
| त्योहार के समय 5000 रुपये के अंकित मूल्य वाले इलेक्ट्रिक गैजेट को कुछ छूट देकर 4250 रुपये में बेचा जाता है। यदि छूट प्रतिशत में 5% की कमी की जाती है, तो ग्राहकों को इलेक्ट्रिक गैजेट किस कीमत पर उपलब्ध होगा? | |
| A. 5,000 रुपये | B. 4,000 रुपये |
| C. 4,750 रुपये | D. 4,500 रुपये |
| अमर अपनी कार 2 घंटे 70 किमी/घंटा की गति से, 3 घंटे 80 किमी/घंटा की गति से और 1 घंटे 40 किमी/घंटा की गति से चलाता है और अपने होमटाउन पहुंचता है। तो उसकी औसत गति (किमी/घंटा में) ज्ञात करें। | |
| A. 64 | B. 70 |
| C. 60 | D. 66 |



- A. 20 B. 15
C. 10 D. 5

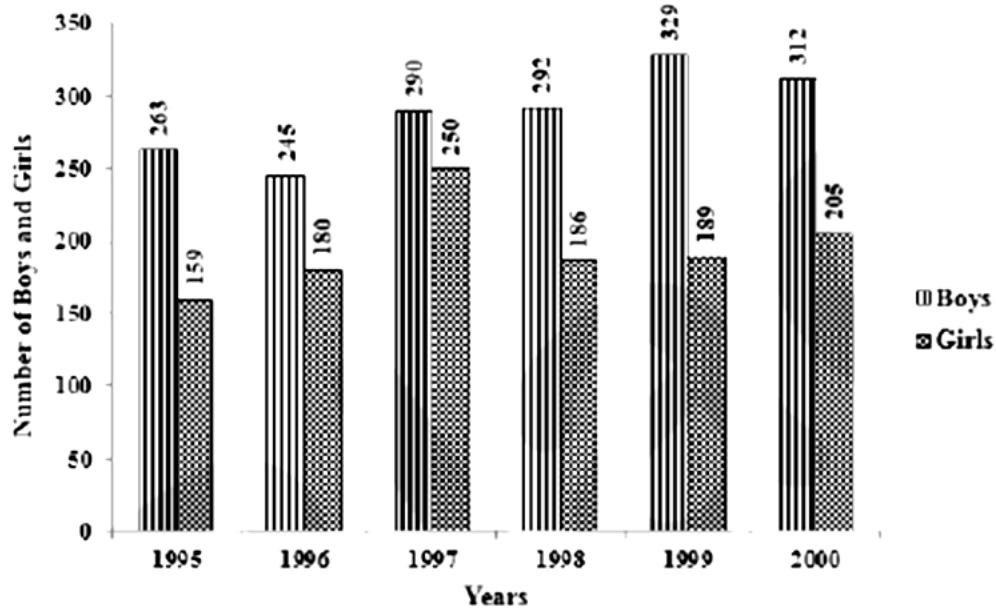
यदि तीन घन जिनमें से प्रत्येक का आयतन 1728 सेमी³ है, एक दूसरे के ऊपर रखे गए हैं। तो परिणामी ठोस का कुल पृष्ठीय क्षेत्रफल कितना होगा?

A. 2304 सेमी² B. 2592 सेमी²
C. 2160 सेमी² D. 2016 सेमी²

A और B प्रत्येक ने 70,000 रुपये का निवेश करके एक व्यवसाय शुरू किया। 10 महीने के बाद A 40,000 रुपये की अतिरिक्त राशि का निवेश करता है। 2 अतिरिक्त महीनों के बाद B 2000 रुपये निकाल लेता है। 2 अतिरिक्त महीनों के बाद एक तीसरा व्यक्ति C इस व्यवसाय में शामिल होता है और 40,000 रुपये का निवेश करता है। यदि 2 वर्षों के अंत में, C को लाभ के अपने हिस्से के रूप में 7,500 रुपये मिलते हैं, तो इस लाभ में A का हिस्सा ज्ञात करें।

A. 27,000 रुपये B. 25,500 रुपये
C. 42,000 रुपये D. 20,625 रुपये

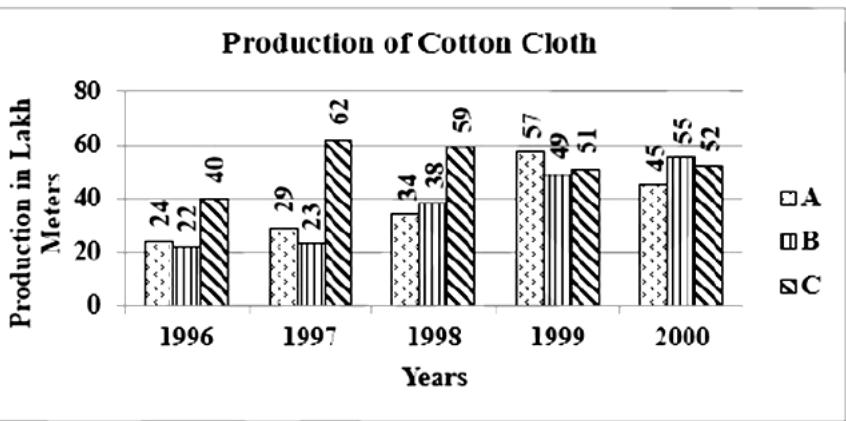
Year-wise number of Boys and Girls



किस वर्ष कुल नामांकन सबसे अधिक था?

- A. 1999
 - B. 1998
 - C. 1997
 - D. 2000
69. एक कक्षा में 24 लड़कियों की औसत मासिक पॉकेट मनी 275 रुपये है, जबकि कक्षा के 16 लड़कों के लिए यह पॉकेट मनी 325 रुपये है। तो इस पूरी कक्षा की औसत मासिक पॉकेट मनी कितनी है?
- A. 300 रुपये
 - B. 290 रुपये
 - C. 310 रुपये
 - D. 295 रुपये
70. दो संख्याओं में 20 का अंतर है। यदि उनका ल.स. 240 है और म.स. 20 है, तो बड़ी संख्या ज्ञात करें।
- A. 120
 - B. 80
 - C. 70
 - D. 60
71. निम्नलिखित ग्राफ 1996-2000 के वर्षों में तीन कंपनियों A, B और C द्वारा सूती कपड़े का उत्पादन (लाख मीटर में) दर्शाता है।

1996-98 के दौरान कंपनी A का उत्पादन 1998-2000 के दौरान कंपनी B और C के औसत उत्पादन का कितना प्रतिशत है (दो दशमलव स्थानों तक सही)?



A. भगत सिंह

C. रामप्रसाद बिस्मिल

B. राजेंद्र नाथ लाहिड़ी

D. रोशन सिंह

78. निम्नलिखित विदेशी यात्रियों में से किसे मुहम्मद बिन तुगलक द्वारा राज्य सेवा में नियुक्त किया गया था?

A. मार्को पोलो

C. इब्न बतूता

B. निकोलो कॉटी

D. अल मसुदी

79. यंदाबो की संधि (1826) के माध्यम से ब्रिटिश ईस्ट इंडिया कंपनी द्वारा निम्नलिखित में से किस क्षेत्र पर कब्जा कर लिया गया था?

A. असम

C. उड़ीसा

B. कश्मीर

D. लद्दाख

80. निम्नलिखित में से किस राज्य में रेणुका वेटलैंड नामक रामसर वेटलैंड साइट स्थित है?

A. तेलंगाना

C. मध्य प्रदेश

B. आंध्र प्रदेश

D. हिमाचल प्रदेश

81. निम्नलिखित में से किस राज्य में गोदावरी बेसिन का सबसे बड़ा जलग्रहण क्षेत्र है?

A. कर्नाटक

C. मध्य प्रदेश

B. महाराष्ट्र

D. तेलंगाना

82. विकल्पों में सूचीबद्ध धातुओं में से कौन-सी सबसे कम किरणशील है?

A. तांबा

C. सोना

B. लोहा

D. मैर्नीशियम

83. भारत में वायु गुणवत्ता सूचकांक (Air Quality Index) को मापने के लिए कितने प्रदूषक शामिल हैं?

A. 4

B. 8

C. 6

D. 12

84. भारत के संविधान का कौन सा अनुच्छेद राज्य को लोगों के कल्याण को बढ़ावा देने के लिए एक सामाजिक व्यवस्था सुरक्षित करने का निर्देश देता है?

A. अनुच्छेद 42

B. अनुच्छेद 44

C. अनुच्छेद 38

D. अनुच्छेद 45

85. निम्नलिखित में से कौन 'पुष्टिमार्ग' नामक भवित्व संप्रदाय के संस्थापक थे?

A. वल्लभाचार्य

B. कबीर

C. शंकराचार्य

D. रामानुज

86. पृथ्वी की ठोस परत में धातुओं की प्रचुरता की दृष्टि से लोहा किस स्थान पर है?

A. दूसरे

B. पहले

C. चौथे

D. तीसरे

87. निम्नलिखित में से कौन सा महाराष्ट्र का राज्य वृक्ष है?

- A. आम
B. जम्मी
C. बरगद
D. अशोक
88. नितिन मेनन, जिन्हें एक अंतरराष्ट्रीय खेल निकाय द्वारा 2020-21 के लिए अंपायरों / रेफरी के एलीट पैनल में शामिल किया गया था, पेशेवर रूप से जुड़े हुए हैं:
- A. फुटबॉल
B. बास्केटबॉल
C. हॉकी
D. क्रिकेट
89. 'कैलावेराइट' नामक खनिज एक टेलुराइड खनिज है जिसमें शामिल हैं:
- A. जिंक
B. सोना
C. चांदी
D. तांबा
90. डोलोमाइट किसका अयस्क है?
- A. मैग्नीशियम
B. एल्यूमीनियम
C. पोटेशियम
D. सोडियम
91. निम्नलिखित में से किसे जुलाई 2020 में एशियाई विकास बैंक के उपाध्यक्ष के रूप में नामित किया गया था?
- A. अशोक लवासा
B. आदि गोदरेज
C. किरण मजूमदार शॉ
D. दीपक पारेख
92. निम्नलिखित में से किसे 'जनसंख्या पर निबंध (Essay on Population)' (1798) नामक अपनी कृति में जनसंख्या वृद्धि का सिद्धांत देने का श्रेय दिया जाता है?
- A. थॉमस रॉबर्ट माल्थुस
B. कार्ल मार्क्स
C. एडम स्मिथ
D. फ्रेडरिक एंगेल्स
93. भारत के संविधान के किस अनुच्छेद में कहा गया है कि भारत का एक राष्ट्रपति होगा?
- A. अनुच्छेद 54
B. अनुच्छेद 52
C. अनुच्छेद 58
D. अनुच्छेद 55
94. निम्नलिखित में से कौन एक अंतरराष्ट्रीय निशानेबाजी खिलाड़ी है?
- A. जमुना बोरो
B. मंजू रानी
C. लैशराम सरिता देवी
D. अंजुम मौदगिल
95. दिल्ली के निम्नलिखित में से किस सुल्तान के शासनकाल में बलबन को वास्तविक शक्ति प्राप्त थी?
- A. आराम शाह
B. रुकनुद्दीन फिरोज
C. अलाउद्दीन मसूद
D. नसीरुद्दीन महमूद शाह
96. अप्रैल 2020 में, _____ के मुख्य परिचालन अधिकारी यूबी प्रवीण राव को नासकोम (NASSCOM) का अध्यक्ष नियुक्त किया गया।
- A. विप्रा
B. एचसीएल

C. इंफोसिस

D. टीसीएस

97. आर्थिक सर्वेक्षण, 2019-20 के अनुसार, दिल्ली में संपत्ति के पंजीकरण में _____ दिन लगते हैं।

A. 49

B. 96

C. 68

D. 31

98. 1990 में, दिनेश गोस्वामी समिति का गठन किस पर सिफारिशें करने के लिए किया गया था?

A. केंद्र-राज्य संबंध

B. पुलिस सुधार

C. चुनावी सुधार

D. मौलिक कर्तव्य

99. निम्नलिखित में से कौन राजस्थान का राज्य पक्षी है?

A. भारतीय रोलर

B. सारस क्रेन

C. एशियाई कोयल

D. ग्रेट इंडियन बस्टर्ड

100. ब्रांड फाइनेंस की 'इंडिया 100-2020 रैंकिंग' के अनुसार निम्नलिखित में से कौन सा भारत का सबसे प्रसिद्ध वैशिक ब्रांड है?

A. रिलायंस

B. एलआईसी

C. टाटा

D. एचसीएल

Solutions

1. C

Sol.

Optician: a person whose job is to examine people's eyes and to recommend and sell glasses.

Econometrist: an economist who uses statistical and mathematical methods.

Ophthalmologist: a doctor who studies and treats the diseases of the eye.

Chronobiologist: someone who studies the branch of biology connected with cyclical physiological phenomena.

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

2. A

Sol.

Option A has incorrectly spelt word.

"Stagnant" is the correct spelling of the incorrect word "Stagnent". It means not developing, growing or changing.

The meaning of other words are:

Imminent: likely to happen very soon.

Continent: connected with the control of your feelings, especially your desire to have sex.

Exponent: a person who supports an idea, theory, etc., and persuades others that it is good.

3. D

Sol.

Let us understand the meaning of the given words:-

- * Realistic = accepting in a sensible way what it is actually possible to do or achieve in a particular situation.
- * Conceivable = something that you can imagine or believe.
- * Rational = behaviour or an idea that is based on reason rather than emotions.
- * Ridiculous = very silly or unreasonable.

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

- * "Realistic" as an adjective is used in context of "happening in sensible way". Thus, option A is incorrect.
- * "Conceivable" as an adjective is used in context of "believable". Thus, option B is incorrect.
- * "Rational" as an adjective is used in context of "something that rely on reasoning rather than emotions". Thus, option C is incorrect.
- * "Ridiculous" as an adjective is used in context of "something that is unreasonable". Here in the given sentence, it is used to qualify the noun i.e. "proposal". It mentions that the proposal was unreasonable or silly because pros and cons were not taken into account.

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

Thus, the correct sentence will be: **I totally disagree with his ridiculous proposal as he has not weighed the pros and cons.**

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

4. C

Sol.

Let's understand the meaning of the given words:

Mimic= to copy the way someone speaks, moves, behaves etc. especially in order to make other people laugh.

E.g.: She is always **mimicking** the teachers.

Fail = to not be successful in achieving something.

Prevent = to stop someone from doing something

Copy = to make something that is exactly like something else.

E.g.: The product has been widely **copied** by other manufacturers.

Attempt = to make an effort or try to do something, especially something difficult.

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

5. D

Sol.

The sentence is grammatically incorrect, and the error lies in **option D**. The error is related to **Subject Verb agreement**.

* As per the Subject Verb agreement, the verb should be in accordance with the subject. A singular verb should be used with a singular subject and a Plural verb should be used with a plural subject.

For example:

The **draught causes** widespread loss of life.

Schools are among the biggest customers for this service.

* In the given sentence, we have erroneously used the singular helping verb (was) for the plural subject "Schools". Thus, plural helping verb "were" should be used in place of singular helping verb "was".

* Hence, "**Schools were brought**" is the correct substitution.

Thus, the correct sentence will be:

Schools were brought to an abrupt standstill when the lockdown was imposed.

6. B

Sol.

Let us understand the meaning of the given words:-

* Leisurely = without hurrying.

* Suddenly = quickly and unexpectedly.

* Minutely = in a very detailed, careful and complete way.

* Hastily = too quickly, without giving enough thought.

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

* "Leisurely" as an adverb is used in context of "without hurrying". Thus, option A is incorrect.

* "Minutely" as an adverb is used in context of "in a very detailed way". Thus, option C is incorrect.

* "Hastily" as an adverb is used in context of "doing something without going through enough thought process". Thus, option D is incorrect.

* "Suddenly" as an adverb is used in context of "quickly and unexpectedly". Here in the given sentence, it is used to mention that after the interview, "I" (subject) quickly and unexpectedly felt light (with no pressure) and free (under no control/restrictions).

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

Thus, the correct sentence will be:

Once the interview was over I suddenly felt light and free.

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

7. A

Sol.

Let's understand the meaning of the given words:

Magnanimous= kind, generous and forgiving, especially towards an enemy or competitor.

E.g.: He was **magnanimous** in defeat and praised his opponent's skill.

Charitable = kind in your attitude to other people, especially when you are judging them.

E.g.: Let us be **charitable** and assume she just made a mistake.

Malicious = having or showing a desire to harm someone or hurt their feelings, caused by a feeling of hate.

Suspicious = feeling that someone has done something wrong, illegal or dishonest without having any proof.

Unstable = likely to change suddenly.

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

8. B

Sol.

Let us understand the meaning of the given words:-

- * Dependent = needing someone/something in order to survive or be successful.
- * Self-sufficient = able to produce or do everything that you need without the help of other people.
- * Self-righteous = feeling or behaving as if what you say or do is always morally right and other people are wrong.
- * Inferior = not good or not as good as someone/something else.

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

- * "Dependent" as an adjective is used in context of "need someone to survive". Thus, option A is incorrect.
- * "Self-righteous" as an adjective is used in context of "someone who feels he is always right and others are always wrong". Thus, option C is incorrect.
- * "Inferior" as an adjective is used in context of "someone/something who is not as good as someone/something else". Thus, option D is incorrect.
- * "Self-sufficient" as an adjective means ability to produce/provide everything that someone needs without any extra help from outside. Here in the given sentence, it is used to mention

that sectors of Chandigarh city are able to provide spaces for living, working and spending some time in leisure activities. There is no need of carving out extra spaces for such activities.

Thus, "Self-sufficient" becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

Chandigarh is a model city with sectors that are self-sufficient with spaces for living, working and leisure.

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

9. A

Sol.

Option A has incorrectly spelt word.

"Occupant" is the correct spelling of the incorrect word "Ocupant". It means a person who lives or works in a particular house, room, building etc.

The meaning of other words are:

Rampant: existing or spreading everywhere in a way that cannot be controlled.

Academic: connected with education, especially studying in schools and universities.

Abdicate: to give up the position of being king, queen or emperor.

10. B

Sol.

Let's understand the meaning of the given words:

Unfeeling= not showing care or sympathy for other people

E.g.: He is a cold, **unfeeling** and unresponsive man.

Cruel = having a desire to cause physical or mental pain and make someone suffer.

Affectionate = showing caring feelings and love for someone.

E.g.: He is very **affectionate** towards his children.

Modest = not very large, expensive, important etc.

Aloof = not friendly or interested in other people.

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

11. A

Sol.

The idiom “**Whet your appetite**” means to increase your desire or interest in something.

Example: This success **whetted my appetite** to go in for more competitions.

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

12. C

Sol.

The idiom “**Get something off one's chest**” means to talk about something that has been worrying you for a long time so that you feel less anxious.

Example: Why not tell him how you feel? It might do you good to **get it off your chest**.

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

13. A

Sol.

Scatterbrain: a person who is always loosing or forgetting things and cannot think in an organised way.

Systematic: done according to a system or plan, in a complete, efficient or determined way.

Logical: seeming natural, reasonable or sensible.

Intelligent: someone who is good at learning, understanding and thinking in a logical way about things.

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

14. B

Sol.

The underlined part of the sentence is grammatically incorrect.

* The underlined part needs correction in possessive adjective.

* “Their” as a possessive adjective is used to show “of or belonging to people, animals or things that have already been mentioned or are easily identified”. It is a possessive form of “they”.

For example:

They had to abandon **their** lands to the invading forces.

- * “Our” as a possessive adjective is used to show “belonging to us”. It is a possessive form of “We”.
- * In the underlined part, we need to show the possession or connection of “lifespan” with “We”. But we have used the possessive adjective “their” which is used to establish connection with “They” as a pronoun. Thus, possessive adjective “Our” should be used in accordance with the pronoun “We” mentioned in the sentence.
- * Hence, “**affect our**” is the correct substitution.

Thus, the correct sentence will be:

It is important to be aware of what we eat as food choices play an important role and affect our lifespan.

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

15. D

Sol.

The underlined part of the sentence is grammatically incorrect.

- * The underlined part needs correction in preposition.
- * “From” as a preposition is used to show where something/someone starts.

For example:

He began to walk away **from** him.

- * “Amongst” as a preposition is used to show “being included or happening in groups of things or people”.

For example:

An Indian woman was **among** the survivors.

* In the underlined part, we need a preposition that shows the sense of “one thing from a group of things”. This is because while declaring her likeness, “Vanya” had tried choosing from the “group of her birthday presents”. But we have erroneously used preposition “from” that shows the “origin of something”.

Thus, preposition “amongst” should be used in place of “from”.

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

Thus, the correct sentence will be:

Amongst all her birthday presents, Vanya liked the alphabetical mat the most.

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

16. A

Sol.

Let us understand the meaning of the given words:-

- * Unforgettable = something that you cannot forget it, usually because it is so beautiful, interesting, pleasant etc.
- * Eventful = full of things that happen, especially exciting, important or dangerous things.
- * Dependable = something that can be relied on to do what you want or need.
- * Catchy = pleasant and easily remembered.

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

* “Eventful” as an adjective is used in context of “occurrence of exciting or dangerous things”. Thus, option B is incorrect.

* “Dependable” as an adjective is used in context of “something that can be relied upon”. Thus, option C is incorrect.

* “Catchy” as an adjective is used in context of “something that is pleasant and easily remembered”. Thus, option D is incorrect.

* “Unforgettable” as an adjective means something that you cannot forget it, usually because it is so beautiful, interesting, pleasant etc. Here in the given sentence, it is used to refer the noun “classics”. It mentions that these days screening of Guru Dutt’s classics (which were beautiful, interesting) is done on MUBI.

Thus, “Unforgettable” becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

Some of Guru Dutt’s unforgettable classics are being screened on MUBI these days.

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

17. A

Sol.

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

* “Them” is an objective case of pronoun “They”. It is used as an object of a verb.

For example:

The abrasiveness of the diamonds made **them** particularly useful for industrial use.

* “Their” as a possessive adjective is used to show “of or belonging to people, animals or things that have already been mentioned or are easily identified”.

For example:

If anyone calls, ask for **their** number so I can call **them** back.

* In the given sentence, we have erroneously used an objective case of pronoun “They” i.e. “Them”. We need to show the possession or connection of “children” with “parents” (plural noun). Thus, the possessive adjective “Their” should be used in place of objective case (pronoun) “Them”.

* Hence, “**what their children**” is the correct substitution.

Thus, the correct sentence will be:

Parents must monitor what their children access on the internet as they are easily influenced.

18. B

Sol.

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

* “Childlike” is an adjective and it means having the qualities that children usually have.

For example:

He spoke, as always, with an almost **childlike** directness.

* “Child artist or Child actor” is a noun that means a child acting on stage or in movies or in television.

For example:

Child actors have always managed to stay forever in the minds of the viewers.

* In the given sentence, we are talking about the life of “Jagdeep” when he started his career in films at the age of 8 years. At such an age, one will definitely have the qualities like a child. So, there is no need to mention the word “like” before the noun “child” to show the sense of “qualities that are similar to that of child”. Thus, “like” should not be used before the noun “child”.

* Also, “live” as an adjective means “living”. This meaning does not resonate with the meaning of the sentence. Being a child implicitly means that he/she is alive. Thus, “live” should not be used before the noun “child”.

* Hence, both “**as a child actor**” and “**as a child artist**” are the correct substitution.

Thus, the correct sentence will be:

Jagdeep, the Bollywood comedian, began his film career at eight as a child artist in the 1950's.

OR

Jagdeep, the Bollywood comedian, began his film career at eight as a child actor in the 1950's.

19. C

Sol.

The underlined part of the sentence is grammatically incorrect.

* The underlined part needs correction in participle clause.

* A participle clause can express reason.

For example:

Being rather busy, I completely forgot the time.

Having lost my passport, I have to apply for a new one.

* In the underlined part, we have a clause that gives the reason of “affording the expensive treatment”. But we have used the wrong structure of participle clause. The correct structure of participle clause is: “**Being rich**”. “**Being**” in participle clause refers to the subject “he” mentioned after the underlined part. In simple words, the given sentence means that he was able to afford the expensive treatment because he was rich.

Note: Conjunction “As” is also used to show the reason but the use of the perfect form of verb “be” i.e. “been” is wrong to show the state or quality of a person.

* Hence, “**Being rich**” is the correct substitution.

Thus, the correct sentence will be:

Being rich, he can afford this expensive treatment.

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

20. B

Sol.

Let's understand the meaning of the given words:

Initiate = to make something begin.

E.g.: The government has **initiated** a programme of economic reforms.

Launch = to start an activity, especially an organized one.

Conclude = to come to an end; to bring something to an end.

E.g.: Let me make just a few **concluding** remarks.

Begin = to start doing something.

Inspire = to give someone the desire, confidence or enthusiasm to do something well.

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

21. D

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“About” as a preposition is used to show “the purpose of something”. Thus, option A is wrong.

“At” as a preposition is used to show the location which is relatively small or unknown or not so popular. Thus, option B is wrong.

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

“Of” as a preposition is used to show belonging/related to something. Here in the given sentence, it is used to mention that J.J. School of Art belongs to or is recognised as the premier institute for art and design in India.

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

22. B

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“Moved down” means to go downwards. Thus, option A is wrong.

“Moved about” means to move here and there in such a way that movement is around something. Thus, option C is wrong.

“Move up or over” means to change your position in order to make room for someone. Thus, option D is wrong.

“Moved to” means to change the place where you live, have your work etc. Here in the given sentence, it is used to mention that narrator changed his place from Mumbai, India to New York City, USA.

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

23. B

Sol.

The given passage is about “**Narrator’s academic journey of Art and Design**”.

“Finding” means information that is discovered as the result of research into something. Thus, option A is wrong.

“Observing” means to see or notice someone/something. Thus, option C is wrong.

“Discover” means to be the first person to become aware that a particular place or thing exists. Thus, option D is wrong.

“Found” is the third form of verb “find”. It means to discover something unexpectedly or by chance. In the given sentence, it is used to mention the discovery of unexpected culture in New York City by narrator when he moved from Mumbai.

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

24. A

Sol.

The given passage is about “Narrator’s academic journey of Art and Design”.

“Many” as a determiner is used with plural nouns and verbs to mean “large number of” in negative sentences. Thus, option B is wrong.

“More” as an adverb is used to form comparative of adjectives and adverbs with two or more syllables. Thus, option C is wrong.

“Much” as an adverb is used to show “to a great degree”. Thus, option D is wrong.

“Most” as an adverb means “very” or “extremely” or “completely”. Here in the given sentence, it is used to qualify an adverb “willingly” that means “someone is happy or pleased to do something. Usage of “most” before it adds the sense of “completeness” in the meaning of the word “willingly” i.e. narrator was “completely pleased” in embracing the different culture of New York City.

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

25. B

Sol.

The given passage is about “Narrator’s academic journey of Art and Design”.

“Exercising upon” means to use power, rights in order to achieve something. Thus, option A is wrong.

“Rehearsing for” means to practise or make people practise a play, piece of music, etc. in preparation for a public performance. Thus, option C is wrong.

“Measuring on” means to find the size, quantity, etc. of something in standard units. Thus, option D is wrong.

“Experimenting with” means to try or test new ideas, methods, etc. to find out what effect they have. In the given sentence, it is used to mention that it was only in New York City where narrator started testing different cuisines.

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

26. C

Sol. सभी विकल्पों की जांच करने पर हम पाते हैं कि विकल्प (C) के प्रतीकों को आपस में बदलने पर समीकरण सही हो जाएगा;

$$7 + 2 \times 5 - 4 \div 2 = 15$$

बाईं ओर से हल करने पर, हमें प्राप्त होता है;

$$7 + 10 - 2$$

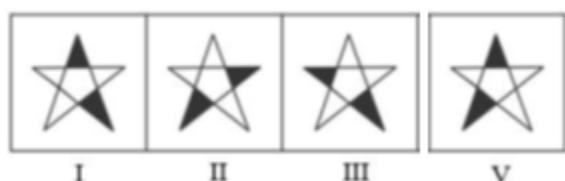
$$17 - 2 = 15$$

तो, बाईं ओर से = दाईं ओर से

इसलिए, विकल्प C सही उत्तर है।

27. C

Sol. तर्क है: ऊपर की ओर छायांकित त्रिभुज दक्षिणावर्त दिशा में 1 कदम आगे बढ़ता है और नीचे की ओर छायांकित त्रिभुज केवल दक्षिणावर्त दिशा में 1 कदम आगे बढ़ता है। अतः आकृति (IV) पैटर्न में फिट नहीं होगी।



इसलिए, विकल्प C सही उत्तर है।

28. D

Sol. यहां दूसरा अक्षर समूह वर्णमाला क्रम के अनुसार पहले अक्षर समूह का विपरीत अक्षर है।

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

तो, STRAW – HGIZD

इसी प्रकार,

NORTH – MLIGS

इसलिए, विकल्प D सही उत्तर है।

29. D

Sol. पैटर्न इस प्रकार है:

$$11^2 - 6 = 121 - 6 = 115$$

$$13^2 - 6 = 169 - 6 = 163$$

इसी प्रकार,

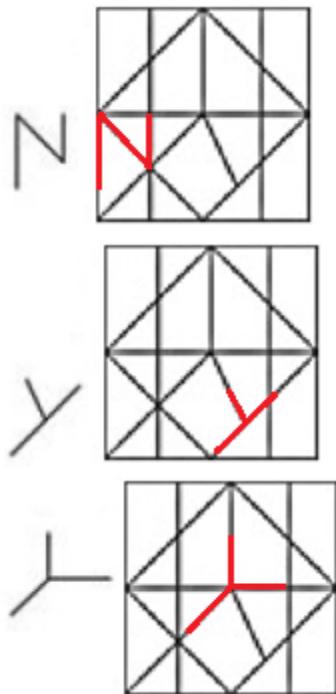
$$7^2 - 6 = 49 - 6 = 43$$

$$9^2 - 6 = 81 - 6 = 75$$

इसलिए, विकल्प D सही उत्तर है।

30. B

Sol. अंतर्निहित आकृति की जांच करने के बाद हम पाते हैं कि विकल्प (B) में दी गई आकृति को छोड़कर शेष सभी दी गई आकृति में पूरी तरह से अंतर्निहित हैं जैसा कि नीचे दिखाया गया है:



इसलिए, विकल्प B सही उत्तर है।

31. D

Sol. पैटर्न इस प्रकार है: + 36, + 60, + 90, + 126, + 168.....अर्थात्

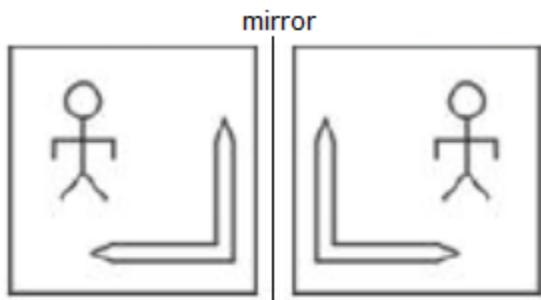
$$+ [6 \times (6 + 0)], + [6 \times (6 + 4)], + [6 \times (6 + 9)], + [6 \times (6 + 15)], + [6 \times (6 + 22)]$$

$$\text{अतः, लुप्त पद} = 336 + [6 \times (6 + 22)] = 336 + 168 = 504$$

इसलिए, विकल्प D सही उत्तर है।

32. B

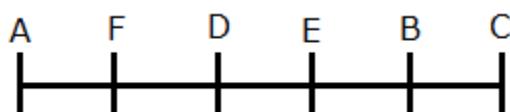
Sol. सही दर्पण प्रतिबिम्ब नीचे दिखाए अनुसार होगा:



इसलिए, विकल्प B सही उत्तर है।

33. B

Sol. दी गई जानकारी के अनुसार व्यवस्था होगी:



स्पष्ट रूप से, A बाएं छोर पर खड़ा है।

इसलिए, विकल्प B सही उत्तर है।

34. B

Sol. तर्क: (पहली और तीसरी संख्या का योग) $\times 4$ = दसरी संख्या
तो,

$$(15 + 13) \times 4 = 28 \times 4 = 112$$

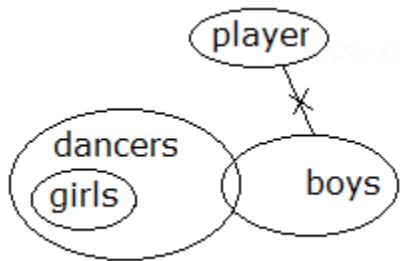
लेकिन इसी तरह के पैटर्न का अनुसरण (17, 102, 9) में नहीं किया गया है;

$$(17 + 9) \times 4 = 26 \times 4 = 104$$
 होगा 102 नहीं (गलत)

इसलिए, विकल्प B सही उत्तर है।

35. D

Sol. न्यूनतम संभावित वेन आरेख होगा:



निष्कर्षः

- I. कुछ नर्तक, लड़कियां हैं – यह एक निश्चित मामला है, इसलिए सही है।
- II. कुछ खिलाड़ी, लड़के हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।
- III. कुछ नर्तक, खिलाड़ी हैं - यह एक निश्चित मामला नहीं है, इसलिए गलत है।

इस प्रकार, केवल निष्कर्ष I अनुसरण करता है।

इसलिए, विकल्प D सही उत्तर है।

36. A

Sol. पैटर्न इस प्रकार है:

$$\begin{array}{ccccccc} 5, & 9, & 16, & 29, & 54, & 103 \\ \swarrow +4 & \searrow +7 & \swarrow +13 & \searrow +25 & \swarrow +49 & \searrow \\ \end{array}$$

हमारे बीच मतभेद हैं:

$$(4 \times 2) - 1 = 7$$

$$(7 \times 2) - 1 = 13$$

$$(13 \times 2) - 1 = 25$$

$$(25 \times 2) - 1 = 49$$

इसलिए, विकल्प A सही उत्तर है।

37. B

Sol. संख्याओं के कूट इस प्रकार हैं:

Mary	7
went	3
Jammu	1
I	2 or 4
like	2 or 4
you	8 or 9
Goa	8 or 9

स्पष्ट रूप से, 'Jammu' के लिए कूट 1 है।

इसलिए, विकल्प B सही उत्तर है।

38. D

Sol. संख्याओं के कूट इस प्रकार हैं:

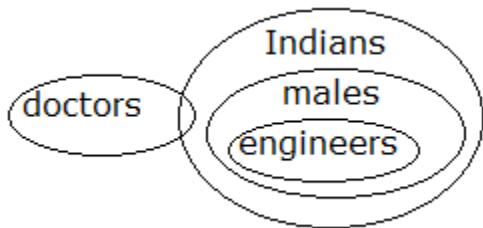
Who	1
are	7
you	3
we	2 or 4
girls	2 or 4
have	8 or 9
toys	8 or 9

स्पष्ट रूप से, दिए गए विकल्पों के अनुसार 'girls' के लिए कूट '4' है।

इसलिए, विकल्प D सही उत्तर है।

39. B

Sol. न्यूनतम संभावित वेन आरेख होगा:



निष्कर्ष:

I. कुछ पुरुष, चिकित्सक हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

II. सभी इंजीनियर, भारतीय हैं - यह एक निश्चित मामला है, इसलिए सही है।

इस प्रकार, केवल निष्कर्ष II अनुसरण करता है।

इसलिए, विकल्प B सही उत्तर है।

40. B

Sol. यहां 'POMN' अक्षरों का सेट दोहराया गया है।

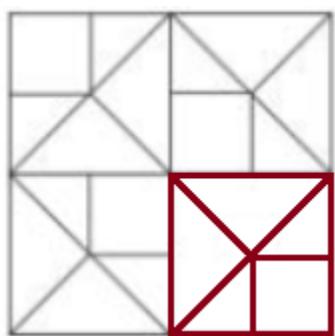
P O M N / P O M N / P O MN / P

इस प्रकार संयोजन का सही सेट है: OMPNPO

इसलिए, विकल्प B सही उत्तर है।

41. B

Sol. विकल्प (B) में दी गई आकृति नीचे दी गई आकृति के पैटर्न को पूरा करेगी:



इसलिए, विकल्प B सही उत्तर है।

42. A

Sol. विकल्प (A) में दिए गए प्रतीकों को प्रतिस्थापित करके समीकरण बन जाता है:

$$3 \times 6 \div 2 + 8 \times 4 - 5 = 36$$

बाईं ओर से हल करने पर;

$$\Rightarrow 3 \times 6 \div 2 + 8 \times 4 - 5$$

$$\Rightarrow 3 \times 3 + 32 - 5$$

$$\Rightarrow 9 + 32 - 5$$

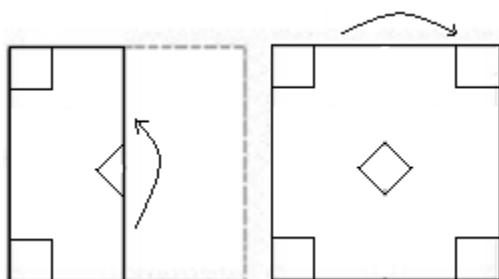
$$\Rightarrow 41 - 5 = 36$$

तो, बाईं ओर से = दाईं ओर से

इसलिए, विकल्प A सही उत्तर है।

43. D

Sol. जब कागज की दी गई शीट को खोला जाता है तो यह नीचे दिखाए अनुसार दिखाई देगी:



इसलिए, विकल्प D सही उत्तर है।

44. D

Sol. पैटर्न इस प्रकार है:

S	O	L	O
+1	-2	+3	-4
T	M	O	K

इसी प्रकार,

R	O	S	E
+1	-2	+3	-4
S	M	V	A

इसलिए, विकल्प D सही उत्तर है।

45. B

Sol. तर्क: दूसरे अक्षर समूह में पहला अक्षर पहले अक्षर समूह के पहले अक्षर के विपरीत है। इसी प्रकार दूसरे अक्षर समूह का दूसरा अक्षर पहले अक्षर समूह के दूसरे अक्षर के विपरीत है।

इसी प्रकार, ROSE -> ILHV

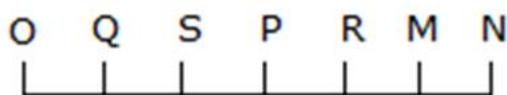
इसी तरह,

HAND -> SZMW

इसलिए, विकल्प B सही उत्तर है।

46. B

Sol. दी गई जानकारी के अनुसार व्यवस्था होगी;



स्पष्ट रूप से, P, S के बगल में हैं।

इसलिए, विकल्प B सही उत्तर है।

47. C

Sol. क्रिकेट टीम में 11 खिलाड़ी होते हैं इसी तरह वॉलीबॉल टीम में 6 खिलाड़ी होते हैं।

इसलिए, विकल्प C सही उत्तर है।

48. D

Sol. आरोही क्रम में पुलिस रैंक का सही क्रम इस प्रकार है:

II. थाना गृह अधिकारी

IV. पुलिस उपाधीकारी

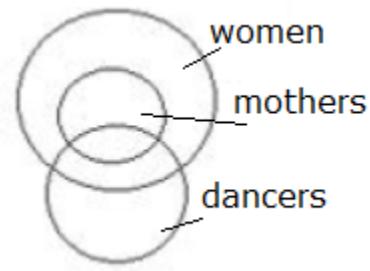
I. पुलिस अधीकारी

III. महानिरीक्षक

इसलिए, विकल्प D सही उत्तर है।

49. A

Sol. महिलाएं नर्तक और मां दोनों हो सकती हैं। लेकिन सभी नर्तक केवल महिलाएं नहीं होती हैं। इस प्रकार विकल्प (A) में वेन-आरेख दिए गए वर्गों का सबसे अच्छा प्रतिनिधित्व करेगा।



इसलिए, विकल्प A सही उत्तर है।

50. B

Sol. जिस प्रकार डेसीबल धनि की इकाई है उसी प्रकार एम्पीयर विद्युत प्रवाह की इकाई है।

इसलिए, विकल्प B सही उत्तर है।

51. C

$$\frac{135 \div 5 \text{ का } \frac{1}{3} - 2\frac{2}{3} \div 1\frac{1}{3} + 6}{(15^2 + 9 \div 3) - (10 - 5 \times \frac{2}{5})}$$

BODMAS का प्रयोग करके:

$$\Rightarrow \frac{135 \div 5 \text{ का } \frac{1}{3} - \frac{8}{3} \div \frac{4}{3} + 6}{(15^2 + 9 \div 3) - (10 - 5 \times \frac{2}{5})}$$

$$\Rightarrow \frac{135 \div \frac{5}{3} - \frac{8}{3} \div \frac{4}{3} + 6}{(225+3) - (8)}$$

$$\Rightarrow \frac{\left(135 \times \frac{3}{5}\right) - \left(\frac{8}{3} \times \frac{3}{4}\right) + 6}{220}$$

$$\Rightarrow \frac{(81) - (2) + 6}{220}$$

$$\Rightarrow \frac{79 + 6}{220}$$

$$\Rightarrow \frac{85}{220} = \frac{17}{44}$$

52. D

Sol. शहर की जनसंख्या = 2500

$$\text{पुरुषों की संख्या} = 2500 \times \frac{55}{100} = 1375$$

$$\text{महिलाओं की संख्या} = 2500 - 1375 = 1125$$

$$\text{साक्षर पुरुषों की संख्या} = 1375 \times \frac{92}{100} = 1265$$

$$\text{शहर में साक्षर जनसंख्या} = 2500 \times \frac{85}{100} = 2125$$

$$\text{साक्षर महिलाओं की संख्या} = 2125 - 1265 = 860$$

$$\text{शहर में महिलाओं की साक्षरता दर} = \frac{860}{1125} \times 100 = 76\frac{4}{9}\%$$

53. A

Sol. दुकानदार 20% लाभ के साथ 3,000 रुपये में 6 कार्डिंगन बेचता है और 16% लाभ के साथ 10 पतलून 6,380 रुपये में बेचता है।

$$6 \text{ कार्डिंगन और } 10 \text{ ट्राउजर का कुल विक्रय मूल्य} = 3000 + 6380 = 9380 \text{ रुपये}$$

$$\text{क्रय मूल्य} = \text{विक्रय मूल्य} * \frac{100}{100+\text{लाभ \%}} \text{ का प्रयोग करने पर}$$

$$6 \text{ कार्डिंगन का क्रय मूल्य} = 3000 \times \frac{100}{(120)} = \text{Rs. } 2500$$

$$10 \text{ पतलून का क्रय मूल्य} = 6380 \times \frac{100}{(116)} = \text{Rs. } 5500$$

$$6 \text{ कार्डिंगन और } 10 \text{ पतलून का कुल क्रय मूल्य} = 2500 + 5500 = 8000 \text{ रुपये}$$

$$\text{कुल लाभ प्रतिशत} = \frac{9380 - 8000}{8000} \times 100 = \frac{1380}{8000} \times 100 = 17.25\%$$

54. C

Sol. नीचे दिए गए आंकड़ों पर विचार करें:

11, k, 8, 9, (k-1), 11, 12, 12, 15, (k-1), 14

बहुलक: बहुलक वह मान है जो आंकड़ों के सेट में सबसे अधिक बार दिखाई देता है।

स्पष्ट रूप से, 12 और $(k-1)$ की आवृत्ति अधिकतम है। उपरोक्त आंकड़े एक द्वि-मॉडल आंकड़े हैं अर्थात् उपरोक्त आंकड़ों के दो बहुलक हैं अर्थात् 12 और $(k-1)$

प्रश्न के अनुसार:

$$\Rightarrow k - 1 = 14$$

$$\Rightarrow k = 15$$

55. A

Sol. दो संख्याएँ 4:5 के अनुपात में हैं।

$$\text{माना पहली संख्या} = 4x$$

$$\text{दूसरी संख्या} = 5x$$

यदि पहली संख्या में से 2 घटाया जाए और दूसरी संख्या में 2 जोड़ा जाए, तो उनका अनुपात 2:3 हो जाता है।

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

$$\Rightarrow 12x - 6 = 10x + 4$$

$$\Rightarrow 2x = 10$$

$$\Rightarrow x = 5$$

$$\text{दोनों संख्याओं के बीच का अंतर} = 5x - 4x = x = 5$$

56. C

Sol. एक साथ काम करने पर पांच आदमी एक कार्य को 8 दिनों में पूरा कर सकते हैं। ओम प्रकाश उसी कार्य को स्वतंत्र रूप से 24 दिनों में पूरा कर सकता है, जो 4 दिनों के बाद उनके साथ जुड़ जाता है।

$$\text{माना आदमी की दक्षता} = M \text{ इकाई/दिन}$$

$$\text{ओम प्रकाश की दक्षता} = y \text{ इकाई/दिन}$$

प्रश्न के अनुसार:

$$\Rightarrow 5M \times 8 = y \times 24$$

$$\Rightarrow 5M = 3y$$

$$\Rightarrow M = \frac{3}{5}y \dots\dots\dots(1)$$

माना पांच व्यक्ति x दिनों में कार्य पूरा करते हैं और ओमप्रकाश 4 दिनों के बाद उनके साथ जुड़ जाता है।

$$\Rightarrow (5M \times x) + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow \left[5\left(\frac{3}{5}y\right) \times x \right] + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow [(3y) \times x] + [y \times (x - 4)] = y \times 24$$

$$\Rightarrow 3x + [x - 4] = 24$$

$$\Rightarrow 4x = 28$$

$$\Rightarrow x = 7$$

अतः अभीष्ट दिनों की संख्या = 7 दिन

57. A

Sol. भोजन पर व्यय का प्रतिनिधित्व करने वाले क्षेत्र के अनुरूप केंद्रीय कोण = $\frac{20\%}{100\%} \times 360^\circ = 72^\circ$

58. C

Sol. एक निश्चित राशि साधारण ब्याज पर 10 वर्षों में दोगुनी हो जाती है।

माना मूलधन = P रुपये

समय = 10 वर्ष

राशि = $2P$ रुपये

साधारण ब्याज = $2P$ रुपये – P रुपये = P रुपये

प्रश्नानुसार:

$$\Rightarrow P = \frac{P \times R \times 10}{100}$$

$$\Rightarrow R = \frac{100}{10} = 10\%$$

माना यह राशि 'P' वर्षों में स्वयं की 3 गुना हो जाएगी।

$$\text{राशि} = 3P \text{ रूपये}$$

$$\text{साधारण ब्याज} = 3P \text{ रूपये} - P \text{ रूपये} = 2P \text{ रूपये}$$

$$\Rightarrow 2P = \frac{P \times 10 \times t}{100}$$

$$\Rightarrow t = 20 \text{ years}$$

अतः राशि 20 वर्षों में स्वयं की 3 गुना हो जाएगी।

59. A

Sol. मूलधन = 15000 रूपये

ब्याज अर्ध-वार्षिक रूप से संयोजित होता है।

$$\text{दर} = \frac{8\%}{2} = 4\%$$

$$\text{समय} = 1 \times 2 = 2 \text{ year}$$

$$\text{चक्रवृद्धि ब्याज} = P \left(1 + \frac{R}{100} \right)^t - P$$

चक्रवृद्धि ब्याज =

$$15000 \left(1 + \frac{4}{100} \right)^2 - 15000 = 15000 \times \frac{26}{25} \times \frac{26}{25} - 15000 = \text{Rs. } 16224 - \text{Rs. } 15000 = \text{Rs. } 1224$$

60. B

Sol. $0.04 \div 0.002 + 0.5 \times 0.002 \div 0.0004$

BODMAS का प्रयोग करने पर:

$$\Rightarrow \frac{4000}{200} + 0.5 \times \frac{20000}{4000} = 20 + 0.5 \times 5 = 20 + 2.5 = 22.5$$

61. C

Sol. 200 मीटर की पैदल दौड़ में, जिकिया 5 किमी/घंटा की औसत गति से चलती है। वह वीना को पहले 20 मीटर दौड़ने का मौका देती है और फिर भी उसे 18 सेकंड से हरा देती है।

जिकिया द्वारा 200 मीटर की यात्रा करने में लिया गया समय =

$$\frac{200}{5} \times \frac{1}{1000} = \frac{1}{25} \text{ hour} = \frac{3600}{25} \text{ seconds} = 144 \text{ seconds}$$

वीना द्वारा तय की गई दूरी = 200 मीटर - 20 मीटर = 180 मीटर

वीना द्वारा 180 मीटर की यात्रा में लिया गया समय = 144 सेकंड + 18 सेकंड = 162 सेकंड

$$\text{वीना की औसत गति (किमी/घंटा में)} = \frac{180}{162} \times \frac{3600}{1000} = \frac{648}{162} = 4 \text{ km/hr}$$

62. D

Sol. त्योहार के समय 5000 रुपये के अंकित मूल्य वाले इलेक्ट्रिक गैजेट को कुछ छूट देकर 4250 रुपये में बेचा जाता है।

छूट = 5000 रुपये - 4250 रुपये = 750 रुपये

$$\text{छूट \%} = \frac{750}{5000} \times 100 = 15\%$$

यदि छूट% में 5% की कमी की जाती है तो छूट% = 15% - 5% = 10%

$$\text{इलेक्ट्रिक गैजेट का विक्रय मूल्य} = 5000 - 5000 \times \frac{10}{100} = 5000 - 500 = \text{Rs. } 4500$$

इसलिए ग्राहकों को इलेक्ट्रिक गैजेट्स 4500 रुपये में उपलब्ध होंगे।

63. B

Sol. अमर अपनी कार 2 घंटे 70 किमी/घंटा की गति से, 3 घंटे 80 किमी/घंटा की गति से और 1 घंटे 40 किमी/घंटा की गति से चलाता है और अपने होमटाउन पहुंचता है।

अमर द्वारा तय की गई कुल दूरी = $2 \times 70 + 3 \times 80 + 1 \times 40 = 140 + 240 + 40 = 420 \text{ km}$

लिया गया कुल समय = 2 घंटे + 3 घंटे + 1 घंटा = 6 घंटे

$$\text{अपर की औसत गति (किमी/घंटा में)} = \frac{420}{6} = 70 \text{ km/hr}$$

64. C

Sol. 21,000 रुपये को A, B और C के बीच इस तरह बांटा जाता है कि A और B के हिस्से 2:3 के अनुपात में होते हैं और B और C के हिस्से 4:5 के अनुपात में होते हैं।

$$A : B = 2 : 3$$

$$\Rightarrow A : B = 8 : 12 \dots\dots\dots(1)$$

$$B : C = 4 : 5$$

$$\Rightarrow B : C = 12 : 15 \dots\dots\dots(2)$$

(1) और (2) को मिलाने पर

$$\text{अब, } A : B : C = 8 : 12 : 15$$

$$B \text{ का हिस्सा} = \frac{12}{8+12+15} \times 21000 = \frac{12}{35} \times 21000 = \text{Rs. 7200}$$

65. C

Sol. छायांकित क्षेत्र का क्षेत्रफल = $80 \times 50 = 4000 \text{ m}^2$

अछायांकित क्षेत्र का क्षेत्रफल छायांकित क्षेत्र के क्षेत्रफल का 35% है।

$$\text{अछायांकित क्षेत्र का क्षेत्रफल} = \frac{35}{100} \times 4000 = 1400 \text{ m}^2$$

$$\text{छायांकित क्षेत्र और अछायांकित क्षेत्र का कुल क्षेत्रफल} = 4000 + 1400 = 5400 \text{ m}^2$$

आकृति से:

$$\Rightarrow (80+x)(50+x) = 5400$$

$$\Rightarrow 4000 + 80x + 50x + x^2 = 5400$$

$$\Rightarrow x^2 + 130x - 1400 = 0$$

$$\Rightarrow x^2 + 140x - 10x - 1400 = 0$$

$$\Rightarrow x(x+140) - 10(x+140) = 0$$

$$\Rightarrow (x+140)(x-10) = 0$$

$$\Rightarrow x = -140 \text{ OR } x = 10$$

चूंकि x लंबाई है इसलिए x ऋणात्मक नहीं हो सकता।

इसलिये, $x = 10$

66. D

Sol. तीन घन जिनमें से प्रत्येक का आयतन 1728 सेमी^3 है, एक दूसरे के ऊपर रखे गए हैं।

माना प्रत्येक घन की भुजा = x सेमी

$$\Rightarrow x^3 = 1728 \text{ cm}^3$$

$$\Rightarrow x = 12 \text{ cm}$$

प्रत्येक घन की भुजा = 12 सेमी

तीन घन जिनमें से प्रत्येक का आयतन 1728 सेमी^3 है, एक दूसरे के ऊपर रखे गए हैं।

परिणामी ठोस घनाभ के रूप में होगा।

परिणामी ठोस का कुल पृष्ठीय क्षेत्रफल =

$$2(lb + bh + hl) = 2(12 \times 12 + 12 \times 36 + 12 \times 36) = 24(84) = 2016 \text{ cm}^2$$

67. C

Sol. A और B प्रत्येक ने 70,000 रुपये का निवेश करके एक व्यवसाय शुरू किया। 10 महीने के बाद A 40,000 रुपये की अतिरिक्त राशि का निवेश करता है। 2 अतिरिक्त महीनों के बाद B 2000 रुपये निकाल लेता है। 2 अतिरिक्त महीनों के बाद एक तीसरा व्यक्ति C इस व्यवसाय में शामिल होता है और 40,000 रुपये का निवेश करता है।

हम जानते हैं कि: लाभ = निवेश की गई राशि × समय

A का लाभ : B का लाभ : C का लाभ =

$$(70000 \times 10) + (110000 \times 14) : (70000 \times 12) + (50000 \times 12) : (40000 \times 10) = 224 : 144 : 40$$

प्रश्नानुसार:

$$\Rightarrow 40 \text{ इकाई} = 7500 \text{ रुपये}$$

$$\Rightarrow 1 \text{ इकाई} = 187.5 \text{ रुपये}$$

$$\Rightarrow 224 \text{ इकाई} = 42000$$

इसलिए, लाभ में A का हिस्सा = 42000 रुपये

68. C

Sol. 1999 में कुल नामांकन = $329 + 189 = 518$

1998 में कुल नामांकन = $292 + 186 = 478$

1997 में कुल नामांकन = $290 + 250 = 540$

2000 में कुल नामांकन = $312 + 205 = 517$

इसलिए, 1997 में कुल नामांकन सबसे अधिक है।

69. D

Sol. एक कक्षा में 24 लड़कियों की औसत मासिक पॉकेट मनी 275 रुपये है, जबकि कक्षा के 16 लड़कों के लिए यह पॉकेट मनी 325 रुपये है।

24 लड़कियों की मासिक पॉकेट मनी का योग = $275 \times 24 = \text{Rs.} 6600$

16 लड़कों की मासिक पॉकेट मनी का योग = $325 \times 16 = \text{Rs.} 5200$

पूरी कक्षा की औसत मासिक पॉकेट मनी = $\frac{6600 + 5200}{24 + 16} = \frac{11800}{40} = \text{Rs.} 295$

70. B

Sol. माना दो संख्याएँ x और y हैं।

$$\Rightarrow x - y = 20 \dots\dots\dots(1)$$

दो संख्याओं का गुणनफल = ल.स. * म.स.

$$\Rightarrow xy = 240 \times 20$$

$$\Rightarrow xy = 4800$$

$$\text{अब, } (x+y)^2 = (x-y)^2 + 4xy$$

$$\Rightarrow (x+y)^2 = (20)^2 + 4(4800) = 400 + 19200 = 19600$$

$$\Rightarrow x + y = 140 \dots\dots\dots(2)$$

(1) और (2) को जोड़ने पर

$$\Rightarrow 2x = 160$$

$$\Rightarrow x = 80$$

x का मान (2) में रखें

$$\Rightarrow 80 + y = 140$$

$$\Rightarrow y = 140 - 80 = 60$$

बड़ी संख्या = 80

71. D

Sol. 1996-98 के दौरान कंपनी A का उत्पादन =

$$24 + 29 + 34 = 87 \text{ LAKH METERS}$$

1998-2000 के दौरान कंपनी B का उत्पादन= $38 + 49 + 55 = 142$ LAKH METERS

1998-2000 के दौरान कंपनी C का उत्पादन = $59 + 51 + 52 = 162$ LAKH METERS

1998-2000 के दौरान कंपनी B और C का औसत उत्पादन=

$$\frac{142 + 162}{?} = \frac{304}{?} = 152 \text{ LAKH METERS}$$

$$\text{आवश्यक प्रतिशत} = \frac{87}{152} \times 100 = 57.24\%$$

72. B

Sol. एक दकानदार ने 1,450 रुपये परति कर्सी की दर से 10 कर्सियाँ खरीदीं और 600 रुपये इसके किराये में खर्च किए।

10 कुर्सियों का कुल क्रय मूल्य = $1450 \times 10 + 600 = 14500 + 600 = \text{Rs. } 15100$

लाभ = 10%

10 कुर्सियों का विक्रय मूल्य = $15100 \times \frac{110}{100} = \text{Rs. } 16610$

अब, प्रत्येक कुर्सी का विक्रय मूल्य = $\frac{\text{Rs. } 16610}{10} = \text{Rs. } 1661$

73. A

Sol. 1 सेमी त्रिज्या वाले धातु के आठ गोले एक गोले बनाने के लिए पिघलाए जाते हैं।

माना प्रत्येक 8 धातु के गोले की त्रिज्या = r सेमी

परिणामी गोले की त्रिज्या = R सेमी

धातु के आठ गोलों का आयतन = परिणामी गोले का आयतन

$$\Rightarrow 8 \times \frac{4}{3}\pi r^3 = \frac{4}{3}\pi R^3$$

$$\Rightarrow 8 \times \frac{4}{3}\pi (1)^3 = \frac{4}{3}\pi R^3$$

$$\Rightarrow 8 = R^3$$

$$\Rightarrow R = 2 \text{ सेमी}$$

परिणामी गोले की त्रिज्या = 2 सेमी

74. D

Sol. 6 आदमी एक कार्य को 64 दिनों में कर सकते हैं। 24 महिलाएं उसी कार्य को 32 दिनों में पूरा कर सकती हैं।

माना आदमी की दक्षता = M इकाई/दिन

महिला की दक्षता = W इकाई/दिन

प्रश्नानुसार:

$$\Rightarrow 6M \times 64 = 24W \times 32$$

$$\Rightarrow M = 2W \dots\dots\dots(1)$$

16 पुरुष और 24 महिलाएं 12 दिनों तक एक साथ काम करते हैं, जिसके बाद 8 पुरुष और 8 महिलाएं काम छोड़ देती हैं।

12 दिनों के बाद 8 पुरुष और 16 महिलाएं कार्य करेंगे।

माना 8 पुरुष और 16 महिलाएं x दिनों के लिए कार्य करेंगे।

$$\Rightarrow (16M + 24W) \times 12 + (8M + 16W) \times x = 6M \times 64$$

$$\Rightarrow 8[(2M + 3W) \times 12] + 8[(M + 2W) \times x] = 6M \times 64$$

$$\Rightarrow [(2M + 3W) \times 12] + [(M + 2W) \times x] = 6M \times 8$$

(1) से

$$\Rightarrow [(4W + 3W) \times 12] + [(2W + 2W) \times x] = 6(2W) \times 8$$

$$\Rightarrow [(7W) \times 12] + [(4W) \times x] = (12W) \times 8$$

$$\Rightarrow [84] + [4x] = 96$$

$$\Rightarrow 4x = 12$$

$$\Rightarrow x = 3$$

Required number of days = $12 + 3 = 15$ days

75. B

Sol. एक कार 3 घंटे में 50 किमी/घंटा की निरंतर गति से चलती हुई एक निश्चित दूरी तय करती है।

कार द्वारा 3 घंटे में तय की गई दूरी = $50 \times 3 = 150$ km

40 किमी/घंटा की गति से 150 किमी की दूरी तय करने में लगने वाला समय = $\frac{150}{40} = 3\frac{3}{4}$ hour

अभीष्ट समय = $3\frac{3}{4} - 3 = \frac{3}{4}$ hour = $\frac{3}{4} \times 60 = 45$ minutes

76. D

Sol. • जून 2020 में, विश्व बैंक ने स्टर्रेंथिंग टीचिंग-लर्निंग एंड रिजल्ट्स फॉर स्टेट्स प्रोग्राम (STARS) के लिए शिक्षण-शिक्षण और परिणामों को मजबूत करने के लिए \$500 मिलियन की मंजूरी दी।

• यह परियोजना छह भारतीय राज्यों - हिमाचल प्रदेश, केरल, मध्य प्रदेश, महाराष्ट्र, ओडिशा और राजस्थान में स्कूली शिक्षा की गुणवत्ता और शासन में सुधार करने में मदद करेगी।

• विश्व बैंक की स्थापना जुलाई 1944 में हुई थी।

• इसका मुख्यालय वाशिंगटन डीसी, यूएसए में है।

• विश्व बैंक के वर्तमान अध्यक्ष डेविड मलपास हैं।

77. A

Sol. • भगत सिंह काकोरी ट्रेन डकैती मामले में आरोपी नहीं थे।

• काकोरी ट्रेन डकैती एक ट्रेन डकैती थी जो 9 अगस्त 1925 को लखनऊ के पास एक गाँव काकोरी में हुई थी।

• इसे आयोजन हिंदुस्तान रिपब्लिकन एसोसिएशन (HRA) द्वारा किया गया था।

• लूट की योजना को राम प्रसाद बिस्मिल, अशफाकउल्ला खान, राजेंद्र लाहिड़ी, चंद्रशेखर आजाद, सचिंद्र बख्शी, केशब चक्रवर्ती, मनमथनाथ गुप्ता, मुकुंदी लाल, मुरारी लाल गुप्ता और बनवारी लाल ने अंजाम दिया था।

78. C

Sol. • इब्न बतूता मोरक्को के प्रसिद्ध यात्री थे।

• वह मुहम्मद बिन तुगलक (1325-1351) के शासनकाल के दौरान 1334 में दिल्ली आया था।

• उन्होंने 8 वर्षों तक राजधानी के काजी के रूप में कार्य किया।

• उन्होंने समकालीन भारतीय दृश्य को अपनी प्रसिद्ध पुस्तक "रहेला" में दर्ज किया।

79. A

Sol. • यंदाबो की संधि के बाद असम को ब्रिटिश शासित भारत में मिला लिया गया था।

• यह शांति संधि थी जिसके परिणामस्वरूप प्रथम ऐंलो बर्मी युद्ध समाप्त हुआ।

• ब्रिटिश और बर्मा के बीच दो साल के युद्ध के बाद 24 फरवरी 1826 को संधि पर हस्ताक्षर किए गए थे।

• इस संधि के अनुसार असम, मणिपुर, अराकान, तनिनथाई को अंगरेजों को सौंप दिया गया था।

80. D

Sol. • रेणुका झील हिमाचल प्रदेश के सिरमौर जिले में स्थित है।

- यह समुद्र तल से 672 मीटर ऊपर है।
- यह हिमाचल प्रदेश की सबसे बड़ी झील है।
- इस झील का नाम देवी रेणुका के नाम पर रखा गया था।
- रेणुका परशुराम की माता थीं।
- इसे नवंबर 2005 से रामसर साइट के रूप में नामित किया गया है।

81. B

Sol. • महाराष्ट्र (48.6%) में गोदावरी बेसिन का सबसे बड़ा जलग्रहण क्षेत्र है, इसके बाद तेलंगाना (18.8%), आंध्र प्रदेश (4.5%), छत्तीसगढ़ (10.9%) और ओडिशा (5.7%) का स्थान है।

- गोदावरी गंगा के बाद भारत की दूसरी सबसे लंबी और भारत में तीसरी सबसे बड़ी नदी है।
- गोदावरी का उद्गम महाराष्ट्र में नासिक के पास मध्य भारत के पश्चिमी घाट से होता है।

82. C

Sol. • सोना कम से कम किरणशील रासायनिक तत्वों में से एक है।

- सोना एक रासायनिक तत्व है जिसका प्रतीक Au और परमाणु क्रमांक 79 है।
- चांदी और प्लेटिनम भी कम से कम किरणशीलता वाली धातुएं हैं।

83. C

Sol. • भारत में राष्ट्रीय वायु गुणवत्ता सूचकांक (AQI) 17 सितंबर 2014 को स्वच्छ भारत अभियान के तहत पर्यावरण मंत्री प्रकाश जावड़ेकर द्वारा लॉन्च किया गया था।

- भारत में वायु गुणवत्ता सूचकांक को मापने के लिए छह प्रदूषक शामिल हैं।
- ये प्रदूषक हैं: कार्बन मोनोऑक्साइड, सीसा, नाइट्रोजन ऑक्साइड, जमीनी स्तर पर ओजोन, कण प्रदूषण और सल्फर ऑक्साइड।
- वायु गुणवत्ता सूचकांक को मापने के लिए छह वायु गुणवत्ता सूचकांक (एक्यूआई) श्रेणियां हैं, अर्थात् अच्छा, संतोषजनक, मध्यम प्रदूषित, खराब, बहुत खराब और गंभीर।

84. C

Sol. • भारतीय संविधान का अनुच्छेद 38 राज्य को लोगों के कल्याण को बढ़ावा देने के लिए एक सामाजिक व्यवस्था को सुरक्षित करने का निर्देश

देता है।

- अनुच्छेद 42 राज्य को काम और मातृत्व राहत के लिए न्यायसंगत और मानवीय परिस्थितियों का प्रावधान करने का निर्देश देता है।
- अनुच्छेद 44 समान नागरिक संहिता से संबंधित है।
- अनुच्छेद 45 राज्य को निर्देश देता है कि वह छह साल की उम्र तक सभी बच्चों के लिए प्रारंभिक बचपन की देखभाल और शिक्षा प्रदान करे।

85. A

Sol. ● वल्लभाचार्य 'पुष्टिमार्ग' नामक भवित्व संप्रदाय के संस्थापक थे।

- उन्होंने 16वीं शताब्दी की शुरुआत में इस संप्रदाय की स्थापना की।
- कृष्ण इस संप्रदाय के प्रमुख देवता हैं।

86. A

Sol. ● पृथ्वी में द्रव्यमान के हिसाब से लोहा सबसे प्रचुर मात्रा में पाया जाने वाला तत्व है, जो पृथ्वी के आंतरिक और बाहरी कोर का लगभग 80% हिस्सा है।

- आयरन पृथ्वी की पपड़ी में दूसरा सबसे प्रचुर तत्व है।
- एल्युमिनियम पृथ्वी की पपड़ी पर सबसे प्रचुर मात्रा में धातु है।
- पृथ्वी की पपड़ी में ऑक्सीजन, सिलिकॉन, लोहा और एल्यूमीनियम सबसे प्रचुर मात्रा में तत्व हैं।

87. A

Sol. ● आम महाराष्ट्र का राज्य वृक्ष है।

- जरूर फूल को महाराष्ट्र के राज्य फूल के रूप में मान्यता प्राप्त है।
- महाराष्ट्र का गठन 1 मई 1960 को हुआ था।
- उद्घव ठाकरे महाराष्ट्र के वर्तमान मुख्यमंत्री हैं।
- भगत सिंह कोश्यारी महाराष्ट्र के वर्तमान राज्यपाल हैं।

88. D

Sol. ● भारत के नितिन मेनन को अंतर्राष्ट्रीय क्रिकेट परिषद (आईसीसी) द्वारा 2020-21 के लिए अंपायरों के आईसीसी एलीट पैनल में शामिल किया गया था।

- उन्होंने इंग्लैंड के 'निगेल लॉन्ग' की जगह ली ।
- वह एक भारतीय क्रिकेटर और अंपायर हैं ।
- अंतर्राष्ट्रीय क्रिकेट परिषद (ICC) क्रिकेट की विश्व शासी निकाय है । इसकी स्थापना 1909 में इंपीरियल क्रिकेट सम्मेलन के रूप में हुई थी ।
- इसका मुख्यालय दुबई, संयुक्त अरब अमीरात में है ।

89. B

Sol. • कैलावेराइट सोने का एक असामान्य टेलुराइड है ।

- यह एक धात्विक खनिज है जिसका रासायनिक सूत्र AuTe_2 है ।
- यह पहली बार 1861 में कैलावरस काउंटी, कैलिफोर्निया में खोजा गया था ।

90. A

Sol. • डोलोमाइट एक मैग्नीशियम अयस्क है जिसका सामान्य सूत्र $\text{MgCO}_3 \cdot \text{CaCO}_3$ है ।

- यह कैल्शियम मैग्नीशियम कार्बोनेट से बना एक निर्जल कार्बोनेट खनिज है ।
- खनिज डोलोमाइट का वर्णन संभवतः पहली बार कार्ल लिनिअस ने 1768 में किया था ।

91. A

Sol. • अशोक लवासा को जुलाई 2020 में फिलीपींस स्थित एशियाई विकास बैंक (ADB) के उपाध्यक्ष के रूप में नियुक्त किया गया था ।

- उन्होंने सितंबर 2020 में पद ग्रहण किया ।
- उन्होंने दिवाकर गुप्ता की जगह ली है ।
- वह हरियाणा कैडर के 1980 बैच के भारतीय प्रशासनिक सेवा के सेवानिवृत्त अधिकारी हैं ।
- एशियाई विकास बैंक (ADB) एक क्षेत्रीय विकास बैंक है ।
- इसकी स्थापना 19 दिसंबर 1966 को हुई थी ।
- इसका मुख्यालय मंडलयोंग, मेट्रो मनीला, फिलीपींस में है ।
- मासत्सुगु असाकावा एडीबी के वर्तमान अध्यक्ष हैं ।

92. A

Sol. • थॉमस रॉबर्ट माल्थस को 'जनसंख्या पर निबंध (Essay on Population)' (1798) नामक अपने काम में जनसंख्या वृद्धि का सिद्धांत देने का श्रेय दिया जाता है।

- वह राजनीतिक अर्थव्यवस्था और जनसांख्यिकी के क्षेत्र में एक अंग्रेजी विद्वान और प्रभावशाली अर्थशास्त्री थे।
- माल्थस के अनुसार, 'जनसंख्या' दोगुनी दर (1, 2, 4, 8, 16, 32) से बढ़ती है, जबकि संसाधन सामान्य दर (1, 2, 3, 4, 5) से बढ़ते हैं। नतीजतन, जनसंख्या हर 25 साल बाद दोगुनी हो जाती है।

93. B

Sol. • भारत के संविधान के **अनुच्छेद 52** में कहा गया है कि भारत का एक राष्ट्रपति होगा।

- अनुच्छेद 58 राष्ट्रपति की योग्यता से संबंधित है।
- अनुच्छेद 54 राष्ट्रपति के चुनाव के बारे में बताता है।
- राष्ट्रपति भारतीय राज्य का प्रमुख होता है।
- वह भारत के पहले नागरिक हैं और राष्ट्र की एकता, अखंडता और एकजुटता के प्रतीक के रूप में कार्य करते हैं।

94. D

Sol. • अंजुम मौदगिल एक भारतीय खेल निशानेबाज हैं।

- वह चंडीगढ़ से हैं और पंजाब का प्रतिनिधित्व करती हैं।
 - लैशराम सरिता देवी, जमुना बोरो और मंजू रानी भारतीय मुक्केबाज हैं।
95. D
- Sol. • नसीरुद्दीन मुहम्मद शाह (**इल्तुतमिश के पुत्र**) के शासनकाल के दौरान, बलबन मुख्य रूप से राज्य के मामलों से निपटता था।
- 1265 में इल्तुतमिश के सभी सदस्यों की हत्या के बाद गयासुद्दीन बलबन गद्दी पर बैठा।
 - वह स्वयं चालीसा या चहलगनी (**इल्तुतमिश द्वारा गठित**) का सदस्य था।
 - उन्होंने 'सिजदा' और 'पैबोस' जैसे फारसी शिष्टाचार शुरू किए।

96. C

Sol. • अप्रैल 2020 में, इंफोसिस के मुख्य परिचालन अधिकारी यूबी प्रवीण राव को NASSCOM के अध्यक्ष के रूप में नियुक्त किया गया था।

- नेशनल एसोसिएशन ऑफ सॉफ्टवेयर एंड सर्विस कंपनीज (NASSCOM) एक भारतीय गैर-सरकारी व्यापार संघ और वकालत समूह है।

- इसकी स्थापना 1988 में हुई थी।
- इसका मुख्यालय नोएडा, उत्तर प्रदेश में है।
- रेखा एम मेनन नैसकॉम की वर्तमान अध्यक्ष हैं।

97. A

Sol. ● आर्थिक सर्वेक्षण, 2019-20 के अनुसार, दिल्ली और मुंबई में एक संपत्ति के पंजीकरण में क्रमशः 49 और 68 दिन लगते हैं।

- इस रिपोर्ट के अनुसार, चीन और न्यूजीलैंड में एक संपत्ति के पंजीकरण में क्रमशः 9 दिन और 3.5 दिन लगते हैं।
- केंद्रीय वित्त और कॉर्पोरेट मामलों की मंत्री, श्रीमती निर्मला सीतारमण ने 31 जनवरी, 2020 को संसद में आर्थिक सर्वेक्षण 2019-20 पेश किया।

98. C

Sol. ● चुनाव सुधारों पर सिफारिशों करने के लिए 1990 में दिनेश गोस्वामी समिति का गठन किया गया था।

- इस समिति की सबसे महत्वपूर्ण सिफारिश यह थी कि किसी भी व्यक्ति को दो से अधिक निर्वाचन क्षेत्रों में चुनाव लड़ने की अनुमति नहीं दी जानी चाहिए और निर्दलीय उम्मीदवारों की जमानत राशि बढ़ाई जानी चाहिए।
- ऐसे सभी उम्मीदवारों की जमानत राशि जब्त की जानी चाहिए, जिन्हें चुनाव में एक चौथाई वोट नहीं मिले।

99. D

Sol. ● राजस्थान का गठन 1 नवंबर 1956 को हुआ था।

- क्षेत्रफल की दृष्टि से यह भारत का सबसे बड़ा राज्य है।
- ग्रेट इंडियन बस्टर्ड (सोनचिरैया) राजस्थान का राज्य पक्षी है।
- चिंकारा राजस्थान का राजकीय पशु है।
- "रोहिडा" राजस्थान का राजकीय पुष्प है।
- अशोक गहलोत राजस्थान के वर्तमान मुख्यमंत्री हैं।
- कलराज मिश्र राजस्थान के वर्तमान राज्यपाल हैं।

100. C

Sol. ● दुनिया के 500 सबसे मूल्यवान ब्रांडों की रैंकिंग - ब्रांड फाइनेंस ग्लोबल 500 2020 के शीर्ष 100 में शामिल होने वाला टाटा समूह एकमात्र भारतीय ब्रांड है।

- टाटा समूह छह महाद्वीपों में 100 से अधिक देशों में काम कर रहा है।
- यह एशिया का 5वां सबसे मूल्यवान कॉर्पोरेट है।
- टाटा समूह की स्थापना 1868 में जमशेदजी टाटा ने की थी।