



SSC MTS 2020 Tier I : 22

October S1

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

1. The given sentence contains a grammatical error. Identify the segment that contains the error.

There is no one else in this house; I can feel the presence.

- A. in this house
 - B. There is
 - C. I can feel the presence
 - D. no one else

2. Select the most appropriate word which means the same as the group of words given.

Overflow or fill an area with excess water, as in a flood

- A. Inundate
 - B. Storm
 - C. Cover
 - D. Supersede

3. The given sentence contains a grammatical error. Identify the segment that contains the error.

I will join you tomorrow if I will have time.

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

ABUSE

- A. Terminate
 - B. Use
 - C. Close
 - D. Harm

5. Select the most appropriate option to substitute the underlined segment in the given sentence.

Suman and his friend often coming here to read books.

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

There is no problem with your bike; it's in good

The Sports Committee was asked to give an explanation for dropping the boy into the school team.

- A. from
 - B. in
 - C. No substitution required
 - D. away

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

Make out

- A. Understand someone or something with difficulty B. Invent an explanation for something
C. Become friends again with someone D. Run away from a difficult situation

- 9. Choose the correctly spelt word.**

10. The given sentence contains a grammatical error. Identify the segment that contains the error.

You look very tired; you would go to bed now.

- A. You look B. to bed now
C. you would go D. very tired

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

ALLOW

- A. Reject
 - B. Stop
 - C. Permit
 - D. Disallow

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

Pick and choose

- A. Start all over again after a crisis
 - B. Select only the best from choices
 - C. Question someone on a topic
 - D. Start a quarrel or a fight over something

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

I am sure that there isn't _____ on this campus now.

- A. nobody
- B. no one
- C. somebody
- D. anybody

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

After many years of _____ the world's first test tube baby was born in 1978

- A. success
- B. experience
- C. service
- D. research

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

If you had come to the match yesterday with us, you _____ watching it.

- A. had enjoyed
- B. would enjoy
- C. should have enjoyed
- D. would have enjoyed

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

ALIKE

- A. Ordinary
- B. Similar
- C. Same
- D. Different

17. Choose the correctly spelt word.

- A. Illegible
- B. Illejible
- C. Ilegibel
- D. Ilijible

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

ABOLISH

- A. Disprove
- B. Contest
- C. Continue
- D. Disclose

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'.

I asked my friend that when would she return from her trip.

- A. when she would
- B. that when she was returning
- C. so when would she
- D. No substitution required

20. Select the most appropriate word which means the same as the group of words given.

Move ahead or forward steadily and gradually

- | | |
|-----------|------------|
| A. Forego | B. Parade |
| C. Forge | D. Forerun |

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.

Today, nearly every Indian has a mobile phone. From the time the first (1)_____ was made in India using a mobile phone on July 31, 1995, a lot of (2)_____ have taken place in the use of mobile phones in the last twenty-five years or so. The number of mobile phone users is (3)_____ to have recorded a growth of three thousand times during this period. Initially, the call rates were expensive and the cost of early devices was high – very few people could (4)_____ a mobile phone. However, mobile phone usage has risen sky high because of these reasons: the call rates have fallen (5)_____ and smartphones have made the internet accessible in our palms.

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

- | | |
|---------|----------|
| A. part | B. call |
| C. step | D. piece |

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

- | | |
|---------------|------------|
| A. promotions | B. changes |
| C. lies | D. facts |

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

- | | |
|--------------|---------------|
| A. summed up | B. reported |
| C. doubted | D. considered |

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

- | | |
|-----------|------------|
| A. afford | B. sell |
| C. use | D. produce |

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

- | | |
|-----------------|----------------|
| A. unevenly | B. evenly |
| C. occasionally | D. drastically |

26. **Select the number that can replace the question mark (?) in the following series.**

15, 30, 44, 57, 69, ?

A. 80

C. 78

B. 91

D. 85

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

PENCIL : QJOHN :: ALBUM : ?

A. EMDZS

C. FNBZS

B. ENCYR

D. FMCZR

28. If the mathematical signs are changed as given below, then select the option which represents the correct equation.

× means +

– means ×

+ means ÷

÷ means –

A. $18 \times 25 + 5 \div 7 \times 11 = 27$

C. $18 + 25 - 30 \times 7 \div 11 = 14$

B. $18 + 25 - 30 \div 7 \times 11 = 30$

D. $18 \div 25 + 30 - 7 \times 11 = 31$

29. Select the correct option that indicates the arrangement of following units in a logical and meaningful order.

1) Byte

2) Megabyte

3) Terabyte

4) Gigabyte

5) Kilobyte

A. 3, 1, 2, 4, 5

B. 1, 5, 4, 2, 3

C. 1, 5, 2, 4, 3

D. 1, 5, 2, 3, 4

30. Select the number that can replace the question mark (?) in the following series.

11, 23, ?, 95, 191

A. 47

B. 33

C. 51

D. 39

31. Select the option that is related to the third number in the same way as the second number is related to the first number.

125 : 343 :: 1331 : ?

A. 729

B. 1728

C. 3375

D. 2197

32. Six employees (A, B, C, D, E, F) are sitting at a round table with eight chairs. Two of them are not sitting exactly opposite each other. One has no body sitting adjacent to him. E is sitting on the third right to F. B is sitting opposite A. D is sitting opposite E who is second right to E. C is sitting between A and E

What is the position of F with respect to C?

A. First right

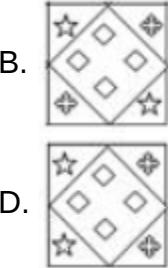
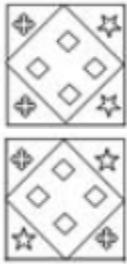
B. Second left

C. Second right

D. First left

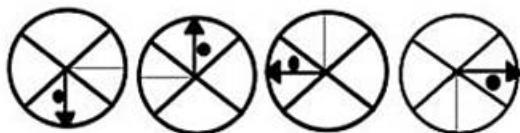
33. Identify the option figure that when placed in the blank space completes the pattern in the given question figure.

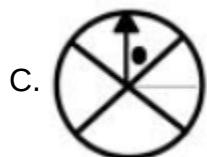


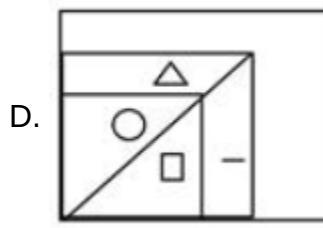
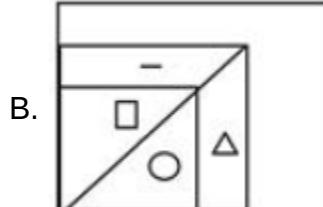
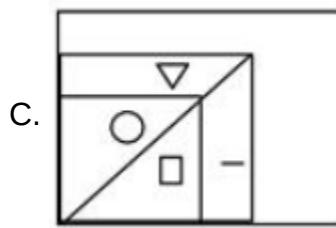
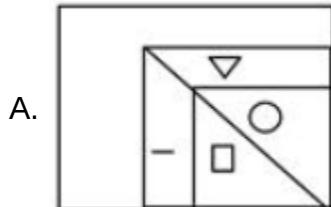


$$39 + 3 \div 4 - 1 \times 3$$

- 38. Select the figure that will come next in the following series.**







42. Six employees (A, B, C, D, E, F) are sitting at a round table with eight chairs. Two of them are not sitting exactly opposite each other. One has no body sitting adjacent to him. E is sitting on the third right to F. B is

sitting opposite A. D is sitting opposite E who is second right to E. C is sitting between A and E

If the boss is sitting adjacent to the vacant chair in each side, then who among them is the boss?

43. Three statements are given followed by three conclusions numbered I, II and III. Assuming that the information given in the statements is true, even if it appears to be different from commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- 1) Some cheeses are butters.
 - 2) All oils are butters.
 - 3) No butters are liquid.

Conclusions:

- I. No oils are liquids.
 - II. Some butters are cheeses.
 - III. All butters are oils.

A. Both conclusions I and II follow

B. Both conclusions II and III follow

C. None of the conclusions follow

D. All conclusions I, II and III follow

- 44. Study the given pattern carefully and select the number that can replace the question mark (?) in it.**

5	7	12
3	6	9
12	?	99

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

Bottle : Cap :: Jar : ?

- A. Shield
 - B. Mask
 - C. Plastic
 - D. Lid

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

Charcoal, Black Colour, Classroom Board

- A. 
 - B. 
 - C. 
 - D. 

47. Two statements are given followed by two conclusions numbered I and II. Assuming that the information given in the statements is true, even if it appears to be different from commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- 1) Some oranges are yellows.
 - 2) Some yellows are grapes.

Conclusions:

- I. Some oranges are grapes.
 - II. All grapes are yellows.

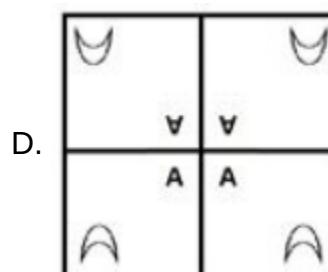
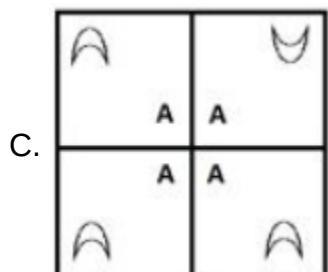
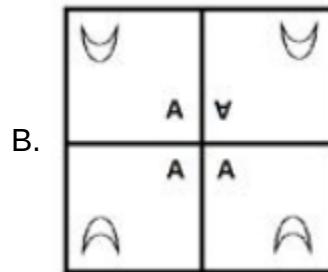
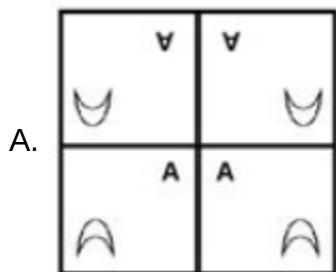
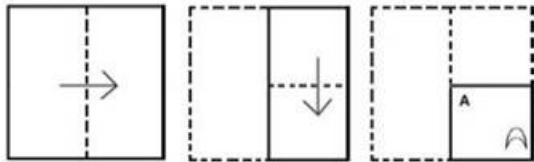
- A. Neither conclusions I nor II follows
- C. Both conclusions I and II follow

- B. Only conclusion I follows
- D. Only conclusion II follows

48. **Four letter clusters have been given out of which three are alike in some manner while one is different. Select the odd one.**

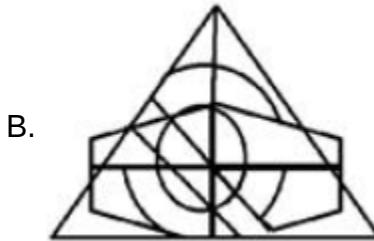
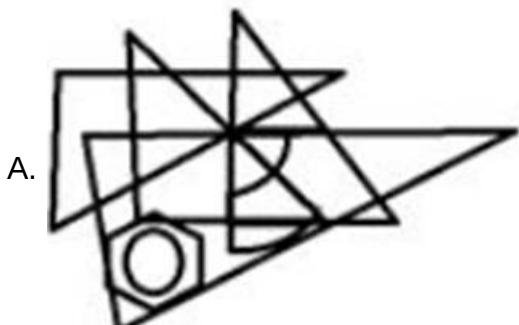
- A. LPR
- B. DHJ
- C. INP
- D. CGI

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



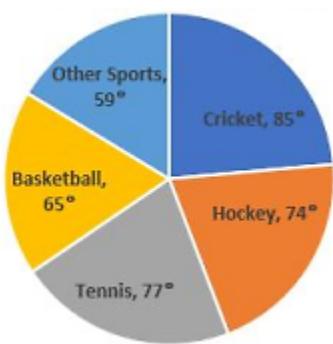
50. **Select the option in which the given figure is embedded (ROTATION IS NOT ALLOWED).**





51. **Direction:** The pie chart given below represents the expenditure of a country on various sports during 2015 . Study the pie chart and answer the question that follows.

Note: the figure is not drawn to scale.



What percentage of the total expenditure is spent on cricket and tennis taken together, during 2015?

53. If the total amount spent on sports during 2015 is 5,20,00,000, the amount (in) spent on Hockey is how much more than that spent on Basketball?
- A. 52,00,000 B. 13,00,000
C. 26,00,000 D. 39,00,000
54. The average height of a group of 12 students is 170 cm. Four students of heights 154 cm, 157 cm, 165 cm and 172 cm left the group. What is the new average height (in cm) of the group?
- A. 165 B. 176
C. 170 D. 174
55. The cost price of an article is 25% less than its selling price. What is the profit or loss percentage?
- A. 33.33%, loss B. 66 .67%, profit
C. 33.33%, profit D. 66 .67%, loss
56. A and B travel the same distance at speeds of 8 km/h and 12 km/h, respectively. If B takes 30 minutes less than that taken by A, what is the distance (in km) travelled by each one of them?
- A. 12 B. 10
C. 15 D. 8
57. A and B can do a piece of work in 15 days, while B and C can do the same work in 12 days, and C and A in 10 days. They all work together for 5 days, and then B and C leave. How many days more will A take to finish the work?
- A. 12 B. 4
C. 15 D. 9
58. Two numbers are 32% and 48% more than a third number. What percentage (correct to two decimal places) is the second number of the first?
- A. 89 .19% B. 112.12%
C. 102.19% D. 150.12%
59. An airplane took off from the starting point 45 minutes later than the scheduled time. The destination was 2100 km away from the starting point. To reach on time, the pilot had to increase the speed by 40% of its usual speed. What was the increased speed (in km/h)?
- A. 1870 B. 2520
C. 2940 D. 1120
60. The profit earned by a company is to be divided among three friends who invested their money in the company, in the proportion of 6 : 9 : 11 . If the share of the person who invested the most is Rs.2,310, then

what is the sum of the money (in Rs.) received by the other two friends?

value (in Rs.) 2 years ago?

- A. 9,60,000
- B. 7,20,000
- C. 6,30,000
- D. 2,16,000

76. National Commission for Scheduled Tribes came into existence as a separate commission in which of the following year?

- A. 2000
- B. 2006
- C. 2004
- D. 2002

77. Drukpa Tshechi, a festival celebrated in Sikkim, is associated with which of the following personalities?

- A. Mahavir Swami
- B. Lord Ram
- C. Lord Buddha
- D. Lord Krishna

78. Which of the following rivers originates at Trimbakeshwar in Maharashtra?

- A. Krishna
- B. Damodar
- C. Godavari
- D. Mahanadi

79. The Reserve Bank of India also acted as the central bank for _____ till April 1947.

- A. Burma
- B. Nepal
- C. Bhutan
- D. Sri Lanka

80. The ancient port, Sopara is located in which of the following state?

- A. Maharashtra
- B. Kerala
- C. Odisha
- D. Tamil Nadu

81. According to the 2011 Census of India, the decadal growth rate of India was around:

- A. 19.3%
- B. 15.6%
- C. 17.7%
- D. 20.5%

82. I. M. Vijayan, who was recommended for the Padma Shri award in June 2020, is a professional sportsperson of _____.

- A. Football
- B. Cricket
- C. Chess
- D. Hockey

83. Which of the following was Oxford Dictionary's Hindi Word Of The Year 2018?

- A. Arajak Tatva
- B. Nari Shakti
- C. Sangathan
- D. Navayuvak

Solutions

1. D

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

- “Every”, “Some”, “Any” and “No” form compound nouns ending in “one”/“body” and “thing”.
- Someone/Somebody means “a person”. It sets the positive context in the sentence regarding availability of “person”.

For example:

There is **someone** at the door.

Someone must be held accountable for the killings.

- No one/Nobody means “no people”. It sets the negative context in the sentence regarding availability of “person”.

For example:

We were told to speak to **no one**.

It soon became apparent that **no one** was going to come.

- In the given sentence, the speaker “I” is saying that he can feel the presence of someone in the house. But we have used “no one else” that shows that there is “no person” in the house. This negative sense is not in consonance with what is mentioned by the speaker. So, we need a pronoun that adds some positive context regarding availability of a person in the house. Thus, “someone else” should be used in place of “no one else”.

Note: “Else” as an adverb is used to show “other person” in the house i.e. apart from speaker

- Hence, “**someone else**” is the correct substitution.

Thus, the correct sentence will be:

There is someone else in this house; I can feel the presence.

2. A

Sol. Inundate: to cover an area of land with a large amount of water.

Storm: to suddenly attack a place.

Cover: to place something over or in front of something in order to hide, protect or decorate it.

Supersede: to take the place of something/someone that is considered to be old-fashioned or no longer the best available.

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

3. B

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

- The error is related to the **first Conditionals**. It is used to show occurrence of probable event of future based on real condition. IF clause (condition) takes the present tense and mentions the real condition. Main clause (result) takes “modal” and mentions the probable future result.

For example:

If the sky clears, we will go for a ride.

- In the given sentence, there are two verbs “will join” and “will have”. The action “will have time” will happen first, after which the action “will join” will happen. Thus, “will have” is to be treated as a condition and “will join” as a result of that condition. Result is written correctly using modal verb “will” but we have erroneously used modal verb (future tense) in condition. Thus, verb in present tense (i.e. first form of verb) “have” should be used in place of “will have”.

- Hence, “**have time**” is the correct substitution.

Thus, the correct sentence will be:

I will join you tomorrow if I have time.

4. D

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

Abuse= to make bad use of something, or to use so much of something that it harms your health.

E.g.: He systematically **abused** his body with heroin and cocaine.

Terminate = to end or to make something end.

Use = to do something with a machine, a method, an object etc. for a particular purpose.

Close = to put something into a position so that it covers an opening; to get into this position.

Harm = to hurt or injure someone or to damage something.

E.g.: Rising oil prices could **harm** the global economy.

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

5. D

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

- The underlined part needs correction in verb.
- In the given sentence, conjunction “and” is used to connect two nouns “Suman” and “his friend”. Both of these are different entities which are joined together by “and”, so they would take a plural verb.

But we have used continuous form of verb “coming”. This is wrong because there is no clear indication about the continuity of the action verb “come”.

- Thus, it is appropriate to use a verb in the present tense (in the plural form) i.e. “come” to show a general/usual activity.
- Hence, “**often come here**” is the correct substitution.

Thus, the correct sentence will be:

Suman and his friend often come here to read books.

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

6. B

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

- *Health* = the condition of a person's body or mind.
- *Condition* = the state that something is in.
- *Size* = how large or small a person or thing is.
- *Conduct* = a person's behaviour in a particular place or in a particular situation.

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

- “*Health*” is used in the context of “condition of a person's body”. Thus, option A is incorrect.
- “*Size*” is used in the context of “how large or small a person or thing is”. Thus, option C is incorrect.
- “*Conduct*” is used in the context of “person's behaviour”. Thus, option D is incorrect.
- “*Condition*” is used to show the state of something. Here in the given sentence, it is used to show the “good” state of bike.

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

Thus, the correct sentence will be:

There is no problem with your bike; it's in good condition.

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

7. A

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

- The underlined part needs correction in preposition.
- "Into" as a preposition is used to show "in the direction of something". It is also used to show a change in state.

For example:

Speak clearly **into** the microphone.

The fruit can be made **into** jam.

- "From" as a preposition is used to show "where someone/something starts" or "the origin of something". It is also used to show a change in state.

For example:

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

I am **from** India.

- In the given sentence, we need a preposition that shows "where (origin of) boy was dropped". But we have used preposition "into" that shows "in the direction of something". This is wrong as its meaning is not in consonance with the meaning of the sentence. Thus, preposition "from" should be used to show that boy was dropped from "the school team" i.e. the "origin".
- Hence, "**from**" is the correct substitution.

Thus, the correct sentence will be:

The Sports Committee was asked to give an explanation for dropping the boy from the school team.

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

8. A

Sol. The idiom "**Make out**" means to manage to see someone/something or read or hear

something. OR to distinguish something.

Example: I could hear voices but I couldn't **make out** what they were saying.

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

9. D

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

“Nuisance” is the correct spelling. It means a thing, person or situation that is annoying or causes trouble or problems.

10. C

Sol. The sentence is grammatically incorrect, and the error lies in **option C**. The error is related to **the verb (Modal verb)**.

- “Should” as a modal verb is used to give advice. It is also used to show what is right, appropriate etc. especially when criticizing someone’s actions.

For example:

You **should** stop worrying about it.

You **should** not drink and drive.

I **should** wait a little longer, if I were you.

- “Would” as a modal verb is used for talking about the result of an event that you imagine.

For example:

If you went to see him, he **would** be delighted.

Hurry up! It **would** be a shame to miss the beginning of the play.

- In the given sentence, we have erroneously used the modal verb “would” to give a piece of advice (i.e. “to go to sleep”) to listener (i.e. “You”) who was tired. Thus, modal verb “should” should be used in place of “would”.

- Hence, “**you should go**” is the correct substitution.

Thus, the correct sentence will be:

You look very tired; you should go to bed now.

11. C

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

Allow = to let someone/something do something.

E.g.: His parents won't **allow** him to stay out late.

Reject = to refuse to accept or consider something.

Stop = to no longer move; to make someone/something no longer move.

Permit = to allow someone to do something or to allow something to happen.

E.g.: Mobile phones are not **permitted** in the examination room.

Disallow = to officially refuse to accept something because it has not been done in the correct way.

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

12. B

Sol. The idiom "**Pick and choose**" means to choose only those things that you like or want very much.

Example: You have to take any job you can get. You can't **pick and choose**.

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

13. D

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

- *Nobody* = (pronoun) is used to show "not anyone" or "no person".
- *No one* = (pronoun) is also used to show "not anyone" or "no person".
- *Somebody* = (pronoun) is used to show a person who is not known or mentioned by name.
- *Anybody* = (pronoun) used instead of "somebody" in negative sentences and in questions.

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

- "Nobody" and "No one" as a pronoun are used in the context of "no person". Thus, options A and B are incorrect.
- "Somebody" as a pronoun is used to show a person who is not known or mentioned by name. But it is not used in negative sentences. Thus, option C is incorrect.
- "Anybody" as a pronoun is used instead of "somebody" in negative sentences and in questions. Here, the given sentence is negative because the negative adverb "not" is used after the helping verb "is". Also, the person (who is being referred by speaker) is not known to the speaker.

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

Thus, the correct sentence will be:

I am sure that there isn't anybody on this campus now.

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

14. D

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

- *Success* = the fact that you have achieved something that you want and have been trying to do or get.
- *Experience* = the knowledge and skill that you have gained through doing something for a long period of time.
- *Service* = a system that provides something that the public needs.
- *Research* = a careful study of a subject, especially in order to discover new facts or information about it.

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

- "Success" means achieving something that you have desired. Thus, option A is incorrect.
- "Experience" means knowledge and skill gained over a period of time. Thus, option B is incorrect.
- "Service" means to provide something. Thus, option C is incorrect.
- "Research" means a careful study of a subject, especially in order to discover new facts or information about it. Here in the given sentence, it is used to mention that it was after years of careful study, the world's first test tube baby was born in 1978.

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

Thus, the correct sentence will be:

After many years of research the world's first test tube baby was born in 1978.

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

15. D

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

- *Had enjoyed* = is the structure of verb used in conditional clause of third conditional.
- *Would enjoy* = is the structure of verb used in main clause of second conditional.

- *Should have enjoyed* = is the structure of verb used in main clause of third conditional. Modal verb “should” is used to give advice.
- *Would have enjoyed* = is the structure of verb used in main clause of third conditional. Modal verb “would” is used to show possibility.

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

- “*Had enjoyed*” is the structure of verb used in conditional clause of third conditional. But filler needs verb in main clause of third conditional. Thus, option A is incorrect.
- “*Would enjoy*” is the structure of verb used in main clause of second conditional. But filler needs verb in main clause of third conditional. Thus, option B is incorrect.
- “*Should have enjoyed*” is the structure of verb used in main clause of third conditional. Modal verb “should” is used to give advice. But we need a modal verb that shows the possibility of happening of an imagined result based on an imagined condition. Thus, option C is incorrect.
- “*Would have enjoyed*” is the structure of verb used in the main clause of the third conditional. The modal verb “would” is used to show possibility. Here, the given sentence is written in the third conditional i.e. show imagined result based on imagined condition.

IF clause (condition) takes the past perfect tense and mentions the imagined condition. The main clause (result) takes “would/should have” and mentions the imagined result.

- Accordingly, the past perfect tense “had come” is mentioned in conditional clause. Thus, main clause should be written in “would + have” i.e. “would have enjoyed”.

Note: “Came” is the second form of verb “Come” whereas, “Come” is the third form of verb “Come”.

Thus, “*Would have enjoyed*” becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

If you had come to the match yesterday with us, you would have enjoyed watching it.
Hence, **option D** is the correct answer.

16. D

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

Alike = very similar

E.g.: My brother and I do not look **alike**.

Ordinary = not unusual or different in any way.

Similar = like someone/something but not exactly the same.

Same = exactly the one or ones referred to or mentioned.

Different = not the same as someone/something.

E.g.: American English is significantly **different** from British English.

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

17. A

Sol. **Option A has correctly spelt word.**

“Illegible” is the correct spelling. It means difficult or impossible to read.

18. C

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

Abolish = to officially end a law, a system or an institution.

E.g.: Some say the tax should be **abolished** entirely.

Disprove = to show that something is wrong or false.

Contest = to take part in a competition, election etc. and try to win it.

Continue = to keep existing or happening without stopping.

E.g.: Unions declared that the strike would **continue** indefinitely.

Disclose = to give someone information about something, especially something that was previously secret.

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

19. A

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

- The underlined part needs correction in the structure of indirect speech in interrogative sentence.

- Structure of direct and indirect speech of sentences written in interrogative sentence:

Direct speech: The bank manager officer said to Varun, “**When do you intend** to pay the remaining amount of your loan?”

Indirect speech: The bank manager officer questioned Varun **when he intended** to pay the remaining amount of his loan.

- The given sentence is written in indirect speech, but we have erroneously written the reported speech in interrogative structure i.e. “Helping Verb + Subject + Main verb”. Thus, as per the rules of narration for interrogative sentence, assertive structure should be followed in indirect speech i.e. “Subject + Helping verb + Main verb”.
- Also, in indirect speech, “When” acts like a conjunction. So there is no need to use additional conjunction “that” in the sentence.
- Hence, “**when she would**” is the correct substitution.

Thus, the correct sentence will be:

I asked my friend when she would return from her trip.

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

20. C

Sol. Forego: to decide not to have or do something that you would like to have or do.

Parade: to walk somewhere in a formal group of people, in order to celebrate or protest about something.

Forge: to suddenly and quickly move forward.

Forerun: showing the signs of what is going to happen.

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

21. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Part” means some but not all of a thing. Thus, option A is wrong.

“Step” means one of a series of things that you do in order to achieve something. Thus, option C is wrong.

“Piece” means an amount of something that has been cut or separated from the rest of it.

Thus, option D is wrong.

“Call” as a noun means the act of speaking to someone on the phone. In the given sentence, it is used to mention that it was in 31 July 1995 when the first act of speaking to someone on the mobile phone was done in India.

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

22. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Promotions” means a move to a more important job or rank in a company or an organization.

Thus, option A is wrong.

“Lies” means to be or put yourself in a flat position so that you are not standing or sitting.

Thus, option C is wrong.

“Facts” means a thing that is known to be true, especially when it can be proved. Thus, option D is wrong.

“Changes” as a noun means the act or result of something becoming different. In the given sentence, it is used to mention that in the last twenty-five years, one can see the different usages of mobile phones in India.

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

23. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Summed up” means to summarize. Thus, option A is wrong.

“Doubted” means to feel uncertain about something. Thus, option C is wrong.

“Considered” means to think about something carefully, especially in order to make a decision.

Thus, option D is wrong.

“Reported” as a verb means to present a written or spoken account of an event in a newspaper, on television etc. In the given sentence, it is used to present the written account of increase in number of mobile phone users in last 25 years.

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

24. A

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Sell” means to give something to someone in exchange for money. Thus, option B is wrong.

“Use” means to do something with a machine, a method etc. for a particular purpose. Thus, option C is wrong.

“Produce” means to make things to be sold, especially in large quantities. Thus, option D is wrong.

“Afford” as a verb means to have enough money to be able to buy or do something. In the given sentence, it is used to mention that during initial years, very few people have enough money to buy mobile phones and to make calls at expensive rates.

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

25. D

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Unevenly” means with different amounts for each person or in each place. Thus, option A is wrong.

“Evenly” means in a smooth, regular or equal way. Thus, option B is wrong.

“Occasionally” means sometimes but not often. Thus, option C is wrong.

“Drastically” as an adverb means in an extreme way that has a sudden, serious or violent effect on something. In the given sentence, it is used to mention that call rates have fallen in a sudden way. This is one of the reasons that led to increase in use of mobile phones in India.

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

26. A

Sol. Pattern is:

$$15+15=30$$

$$30+14=44$$

$$44+13=57$$

$$57+12=69$$

$$\mathbf{69+11=80}$$

Hence, option A is the correct answer.

27. D

Sol. Odd placed letter is taken +5.

Even placed letter is taken +1.

as,

16	5	14	3	9	12
P	E	N	C	I	L
+1	+5	+1	+5	+5	+1
↓	↓	↓	↓	↓	↓
Q	J	O	H	N	M
17	10	15	8	14	13

similarly,

1	12	2	21	13
A	L	B	U	M
+5	+1	+1	+5	+5
↓	↓	↓	↓	↓
F	M	C	Z	R
6	13	3	26	18

Hence, option D is the correct answer.

28. A

Sol. By checking option A:

Given expression is:

$$18 \times 25 + 5 \div 7 \times 11 = 27$$

After interchanging:

$$18 + 25 \div 5 - 7 + 11 = 27$$

$$\text{or, } 18 + 5 - 7 + 11 = 27$$

or, $27=27$

Hence, option A is the correct answer.

29. C

Sol. Correct order of memory size(smaller to higher) is:

1. Byte

5. Kilobyte

2. Megabyte

4. Gigabyte

3. Terabyte

Hence, option C is the correct answer.

30. A

Sol. Pattern is:

$$11*2+1=23$$

$$\mathbf{23*2+1=47}$$

$$47*2+1=95$$

$$95*2+1=191$$

Hence, option A is the correct answer.

31. D

Sol. as,

$$5^3=125$$

$$(5+2)^3=7^3=343$$

similarly,

$$11^3 = 1331$$

$$(11+2)^3 = 13^3 = 2197$$

Hence, option D is the correct answer.

32. B

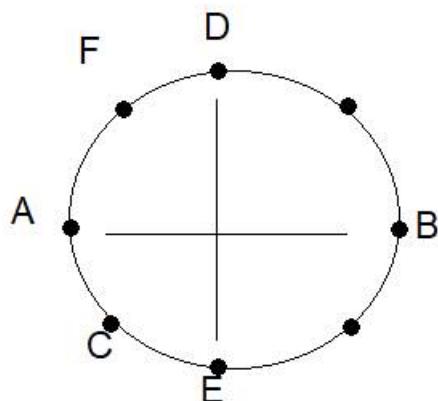
Sol. E is sitting on the third right to F.

B is sitting opposite A.

D is sitting opposite E who is second right to E.

C is sitting between A and E.

So, final arrangement is:

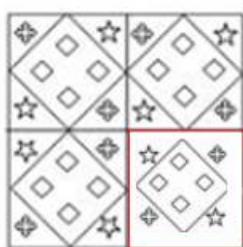


so, F is second left with respect to C.

Hence, option B is the correct answer.

33. B

Sol. Complete figure is:



Hence, option B is the correct answer.

34. A

Sol. Second and 28th letter of alphabet is B only.

as,

1	14	11	12	5
A	N	K	L	E
*2	*2	*2	*2	*2
↓	↓	↓	↓	↓
B	B	V	X	J
2	2	22	24	10
or 28				

similarly,

20	8	9	7	8
T	H	I	G	H
*2	*2	*2	*2	*2
↓	↓	↓	↓	↓
N	P	R	N	P
14	15	18	14	16

Hence, option A is the correct answer.

35. D

Sol. As,

ADDRESS has 7 letters and 2 vowels,

$$7 + 9 \times 2 = 25$$

BOLT has 4 letters and 1 vowel,

$$4 + 9 \times 1 = 13$$

Similarly,

CASTE has 5 letters and 2 vowels,

$$5 + 9 \times 2 = 23$$

Hence, option D is the correct answer.

36. C

Sol. as,

M	A	L	E
+5	+6	+7	+8
↓	↓	↓	↓
similarly,			
R	G	S	M
S	E	A	M
+5	+6	+7	+8
↓	↓	↓	↓
X	K	H	U

Hence, option C is the correct answer.

37. B

Sol. Given expression is:

$$39 + 3 \div 4 - 1 \times 3$$

After interchanging:

$$39 \div 3 \times 4 + 1 - 3$$

$$= 13 \times 4 + 1 - 3$$

$$= 52 + 1 - 3$$

=50

Hence, option B is the correct answer.

38. A

Sol. Rotating pattern:

figure 1 to 2: 180° right

figure 2 to 3: 90° left

figure 3 to 4: 180° right

figure 4 to 5: 90° left

so, the next figure is-



Hence, Option A is the correct answer.

39. C

Sol. as,

$$\text{JOHN} = J(10)O(15)H(8)N(14)$$

$$= J(1+0)O(1+5)H(8)N(1+4)$$

$$= J(1)O(6)H(8)N(5)$$

$$= 1+6+8+5=20$$

$$\text{now, } 20 \times 3 = 60$$

and

$$\text{RANI} = R(18)A(1)N(14)I(9)$$

$$= R(1+8)A(1)N(1+4)I(9)$$

$$= R(9)A(1)N(5)I(9)$$

$$= 9+1+5+9=24$$

$$\text{now, } 24 \times 3 = 72$$

similarly,

$$\begin{aligned} \text{YUVAAN} &= Y(25)U(21)V(22)A(1)A(1)N(14) \\ &= Y(2+5)U(2+1)V(2+2)A(1)A(1)N(1+4) \\ &= Y(7)U(3)V(4)A(1)A(1)N(5) \\ &= 7+3+4+1+1+5 \\ &= 21 \end{aligned}$$

$$\text{now, } 21 \times 3 = 63$$

Hence, option C is the correct answer.

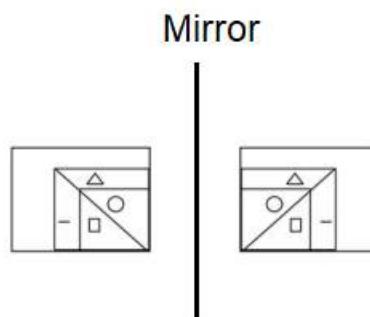
40. D

Sol. A herpetologist is someone who specializes in the study of reptiles and amphibians. So, Lokesh is a herpetologist.

Hence, option D is the correct answer.

41. D

Sol. In a plane mirror, a mirror image is a reflected duplication of an object that appears almost identical, but it is reversed in the direction perpendicular to the mirror surface. As an optical effect it results from reflection of substances such as a mirror or water.



Hence, option D is the correct answer.

42. C

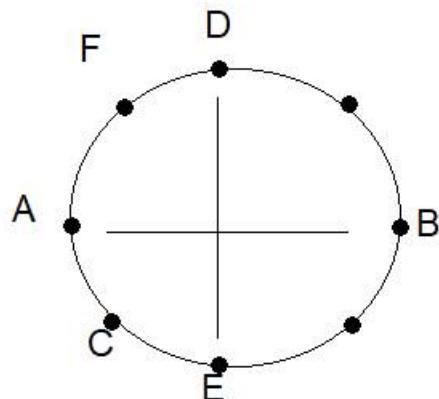
Sol. I E is sitting on the third right to F.

I B is sitting opposite A.

I D is sitting opposite E who is second right to E.

I C is sitting between A and E.

So, final arrangement is:

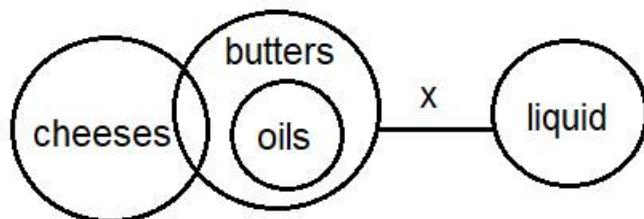


If the boss is sitting adjacent to the vacant chair in each side, then B is the boss.

Hence, option C is the correct answer.

43. A

Sol. Minimum Possible diagram is-



Conclusions:

I. No oils are liquids. (It follows because All oils are butters and No butters are liquid.)

II. Some butters are cheeses. (It follows because Some cheeses are butters.)

III. All butters are oils. (It does not follow as it is just a possibility, but not surely.)

So, both conclusions I and II follow.

Hence, option A is the correct answer.

44. C

Sol. Column 1:

$$(5-1)*3=4*3=12$$

Column 2:

$$(7-1)*6=6*6=36$$

Column 3:

$$(12-1)*9=11*9=99$$

Hence, option C is the correct answer.

45. D

Sol. as,

Bottle is sealed by Cap.

similarly,

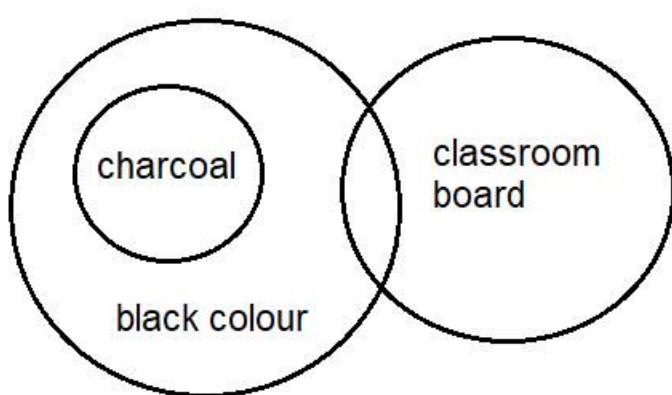
Jar is sealed by Lid.

Hence, option D is the correct answer.

46. D

Sol. Charcoal is of Black Colour and Classroom Board can be of Black Colour.

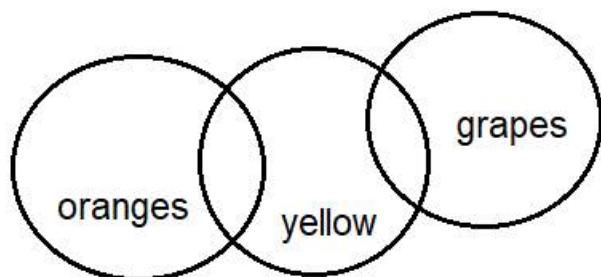
so, the best representation is:



Hence, option D is the correct answer.

47. A

Sol. Minimum Possible diagram is-



Conclusions:

I. Some oranges are grapes. (It does not follow as it is just a possibility, but not surely.)

II. All grapes are yellows. (It also does not follow as it is just a possibility, but not surely.)

So, neither conclusions I nor II follows.

Hence, option A is the correct answer.

48. C

Sol.

$$L \xrightarrow{+4} P \xrightarrow{+2} R$$

$$D \xrightarrow{+4} H \xrightarrow{+2} J$$

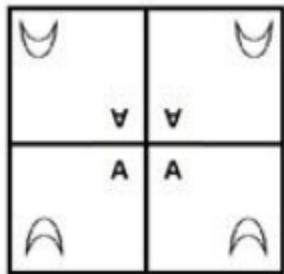
$$I \xrightarrow{+5} N \xrightarrow{+2} P$$

$$C \xrightarrow{+4} G \xrightarrow{+2} I$$

Hence, option C is the correct answer.

49. D

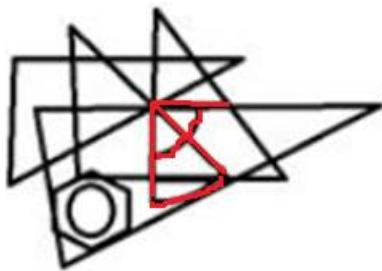
Sol. As given in the figure, we need to fold at the dotted line and Option D would appear when unfolded.



Hence, option D is the correct answer.

50. A

Sol. After carefully observing the figures given in the question and answers, it is very clear that the question figure given is embedded in the answer figure A. It is shown as given below:



Hence, option A is the correct answer.

51. C

Sol. Expenditure on cricket = 85°

Expenditure on tennis = 77°

Total expenditure = 360°

$$\text{Required percentage} = \frac{(85^\circ + 77^\circ)}{360^\circ} \times 100 = \frac{162^\circ}{360^\circ} \times 100 = 45\%$$

Hence, option C is the correct answer.

52. C

Sol. Let the total expenditure in 2015 be Rs. $360x$.

$$\text{Then, expenditure on cricket in 2015} = (360x) \times \frac{85^\circ}{360^\circ} = \text{Rs. } 85x$$

$$\text{And expenditure on other sports in 2015} = (360x) \times \frac{59^\circ}{360^\circ} = \text{Rs. } 59x$$

Now, expenditure on cricket in 2014 = $\frac{(85x)}{150} \times 100$ = Rs. $170x/3$

And expenditure on other sports in 2014 = $\frac{(59x)}{125} \times 100$ = Rs. $236x/5$

Now, required ratio

$$\frac{170x}{3} : \frac{236x}{5}$$

$$425 : 354$$

Hence, option C is the correct answer.

53. B

Sol. Difference between expenditure on Hockey and expenditure on Basketball

$$= 5,20,00,000 \times \frac{(74^\circ - 65^\circ)}{360^\circ} = \text{Rs. } 13,00,000$$

Hence, option B is the correct answer.

54. D

Sol. Given:

Average height of a group of 12 students = 170 cm

Total height of the group = $170 \times 12 = 2040$ cm

New, total height of the remaining students = $2040 - 154 - 157 - 165 - 172 = 1392$ cm

Remaining number of students = $12 - 4 = 8$

New, average height of the group = $\frac{1392}{8} = 174$ cm

Hence, option D is the correct answer.

55. C

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

Then, cost price = $(x) - (x) \times 25\% = x - 0.25x = \text{Rs. } 0.75x$

Profit percentage = $\frac{(x - 0.75x)}{(0.75x)} \times 100 = \left(\frac{0.25x}{0.75x}\right) \times 100 = 33.33\%$

Hence, option C is the correct answer.

56. A

Sol. Given:

Speed of A = 8 km/h and speed of B = 12 km/h

Ratio of speeds of A and B

8 : 12

2 : 3

Now, ratio of time taken by A and B (reciprocal to ratio of speed)

3 : 2

$$\text{Therefore, time taken by A} = \frac{30}{(3-2)} \times 3 = \frac{30}{1} \times 3 = 90 \text{ minutes}$$

$$\text{Therefore, distance travelled by each one of them} = 8 \times \frac{90}{60} = 12 \text{ km}$$

Hence, option A is the correct answer.

57. D

Sol. Let the total work be $60x$ units.

Then, efficiency of A and B together = $60x/15 = 4x$ units/day,

Efficiency of B and C together = $60x/12 = 5x$ units/day

And efficiency of A and C together = $60x/10 = 6x$ units/day

Now, efficiency of A, B and C together

$$= \frac{4x + 5x + 6x}{2} = \frac{15x}{2} = 7.5x \text{ units/day}$$

And efficiency of A alone = $7.5x - 5x = 2.5x$ units/day

Now, work done by A, B and C together in 5 days = $(7.5x) \times 5 = 37.5x$ units

Remaining work = $60x - 37.5x = 22.5x$

Time taken by A to complete the remaining work

= Remaining work/Efficiency = $22.5x/2.5x = 9$ days

Hence, option D is the correct answer.

58. B

Sol. Let the third number be $100x$.

Then, first number = $(100x) + (100x) \times 32\% = 100x + 32x = 132x$

And second number = $(100x) + (100x) \times 48\% = 100x + 48x = 148x$

$$\text{Required percentage} = \left(\frac{\frac{148x}{132x}}{100} \right) \times 100 = 112.12\%$$

Hence, option B is the correct answer.

59. D

Sol. Let the usual speed of airplane be x km/h.

$$\text{Then, increased speed} = (x) + (x) \times 40\% = x + 0.4x = 1.4x \text{ km/h}$$

Now, as per question,

$$\frac{2100}{x} - \frac{2100}{1.4x} = \frac{45}{60}$$

$$\Rightarrow \frac{2100}{x} - \frac{1500}{x} = \frac{3}{4}$$

$$\Rightarrow \frac{2100 - 1500}{x} = \frac{3}{4}$$

$$\Rightarrow \frac{600}{x} = \frac{3}{4}$$

$$\Rightarrow 3x = 2400$$

$$\Rightarrow x = 2400/3 = 800$$

$$\text{Therefore, increased speed} = 1.4 \times 800 = 1120 \text{ km/h}$$

Hence, option D is the correct answer.

60. B

Sol. Given:

$$\text{Ratio of amount invested} = 6 : 9 : 11$$

Sum of the money received by other two friends

$$= \frac{2310}{11} \times (6 + 9) = 210 \times 15 = \text{Rs. 3150}$$

Hence, option B is the correct answer.

61. B

Sol. Let the capacity of the tank be $40x$ units.

$$\frac{(40x)}{8 \times 1 \frac{40}{60}} = \frac{(40x)}{8 \times 1 \frac{2}{3}} = \frac{(40x) \times 3}{8 \times 5}$$

Then, efficiency of a pipe = $\frac{(40x) \times 3}{8 \times 5} = 3x$ units/hour

Now, combined efficiency of 10 pipes = $(3x) \times 10 = 30x$ units/hour

Time taken to fill the tank by 10 pipes = $40x/30x = 1.33$ hours
or 1 hour 20 minutes

Hence, option B is the correct answer.

62. B

Sol. $15 \text{ of } 8 - 6 + [(27 - 3) \div 6 - 4]$
 $= 15 \text{ of } 8 - 6 + [24 \div 6 - 4]$
 $= 15 \text{ of } 8 - 6 + [4 - 4]$
 $= 120 - 6 + 0$
 $= 114$

Hence, option B is the correct answer.

63. D

Sol. Given:

Numbers:

8.9, 6.5, 7.8, 12.3, 15.6, 14.4, 9.8

$$\text{Mean} = \frac{\text{Sum of numbers}}{\text{No. of numbers}}$$
$$= \frac{8.9 + 6.5 + 7.8 + 12.3 + 15.6 + 14.4 + 9.8}{7}$$
$$= \frac{75.3}{7}$$
$$= 10.76$$

Hence, option D is the correct answer.

64. D

Sol. $\left[\frac{5}{8} - \left\{ \frac{5}{8} - \left(\frac{5}{8} - \frac{3}{8} \right) \right\} \right] \text{ of } 3.6 - 0.8 \div 10$
 $= \left[\frac{5}{8} - \left\{ \frac{5}{8} - \left(\frac{5-3}{8} \right) \right\} \right] \text{ of } 3.6 - 0.8 \div 10$
 $= \left[\frac{5}{8} - \left\{ \frac{5}{8} - \frac{2}{8} \right\} \right] \text{ of } 3.6 - 0.8 \div 10$
 $= \left[\frac{5}{8} - \frac{3}{8} \right] \text{ of } 3.6 - 0.8 \div 10$

$$\begin{aligned}&= \frac{2}{8} \text{ of } 3.6 - 0.8 \div 10 \\&= 0.9 - 0.08 \\&= 0.82\end{aligned}$$

Hence, option D is the correct answer.

65. D

Sol. Given:

Dimensions of the tank = 15 m long, 12 m wide and 5 m deep

$$\begin{aligned}\text{Now, area of walls} &= 2(l + b) \times h = 2(15 + 12) \times 5 = 2 \times 27 \times 5 \\&= 270 \text{ m}^2\end{aligned}$$

And area of base = $l \times b = 15 \times 12 = 180 \text{ m}^2$

Total area of steel required = $270 + 180 = 450 \text{ m}^2$

Length of steel required = $450/1.5 = 300$ meters

Hence, option D is the correct answer.

66. B

Sol. Let the price paid by P for mobile be Rs. x.

Then, price paid by Q = $(x) + (x) \times 25\% = x + 0.25x = \text{Rs. } 1.25x$

And amount paid by R = Rs. 3240 (given)

$$\Rightarrow (1.25x) - (1.25x) \times 10\% = 3240$$

$$\Rightarrow 1.25x - 0.125x = 3240$$

$$\Rightarrow 1.125x = 3240$$

$$\Rightarrow x = 3240/1.125 = 2880$$

Therefore, P paid Rs. 2880 for the phone.

Hence, option B is the correct answer.

67. B

Sol. Calculation of final ratio of number of students in three classes:

$$\begin{array}{rclcl} \text{First} & : & \text{Second} & : & \text{Third} \\ 4 & : & 9 & & \times 2 \\ & & 6 & : & 11 \times 3 \\ \hline 8 & : & 18 & : & 33 \end{array}$$

Sum of ratios = $8 + 18 + 33 = 59$

Now, number of students in the class that has the maximum number of students = $885 \times \frac{33}{59} = 495$

Hence, option B is the correct answer.

68. C

Sol. Given:

Cost price of the article = Rs. 4320

$$\begin{aligned}\text{Since profit is } 25\%, \text{ therefore, selling price} &= \text{Cost Price} + \text{Profit} \\ &= 4320 + 4320 \times 25\% = 4320 + 1080 = \text{Rs. 5400}\end{aligned}$$

Now, marked price = $\frac{\text{Selling Price}}{(100 - \text{Discount})} \times 100$

$$= \frac{5400}{(100 - 40)} \times 100 = \frac{5400}{60} \times 100 = \text{Rs. 9000}$$

Hence, option C is the correct answer.

69. D

Sol. Let the efficiency of B be x units/day.

Then, efficiency of A = $1.5 \times (x) = 1.5x$ units/day

Combined efficiency of A and B = $1.5x + x = 2.5x$ units/day

Therefore, total work = $12 \times (2.5x) = 30x$ units

Now, time taken by A to complete the work = $30x/1.5x = 20$ days

Hence, option D is the correct answer.

70. B

Sol. Given:

Interest rate = 5%

Let the sum be Rs. x and no of years be y .

Then, interest on that sum = $\frac{3}{8}x$

$$\Rightarrow \frac{(x) \times 5 \times (y)}{100} = \frac{3x}{8}$$

$$\Rightarrow 40y = 300$$

$$\Rightarrow y = 300/40 = 7.5 \text{ years}$$

i.e. 7 years 6 months

Hence, option B is the correct answer.

71. B

Sol. LCM of $\frac{18}{5}, \frac{6}{5}$ and $\frac{18}{125}$

$$= \frac{\text{LCM of } 18, 6, 18}{\text{HCF of } 5, 5, 125} = \frac{18}{5}$$

$$= 3.6$$

Hence, option B is the correct answer.

72. D

Sol. Given:

$$\text{Average of 75 scores} = 45$$

$$\text{Average of the first 50 scores} = 42$$

$$\text{Average of the last 26 scores} = 52$$

$$\text{Now, sum of all 75 scores} = 75 \times 45 = 3375$$

$$\text{Sum of first 50 scores} = 50 \times 42 = 2100$$

$$\text{And sum of last 26 scores} = 26 \times 52 = 1352$$

$$\text{Therefore, } 50^{\text{th}} \text{ score} = \text{Sum of first 50 scores} + \text{sum of last 26 scores} - \text{sum of all 75 scores} = \\ 2100 + 1352 - 3375 = 77$$

Hence, option D is the correct answer.

73. A

Sol. Number of bricks required = $\frac{\text{Volume of wall}}{\text{Volume of a brick}} = \frac{1200 \times 900 \times 30}{24 \times 18 \times 15}$
 $= 50 \times 50 \times 2 = 5000$

Hence, option A is the correct answer.

74. C

Sol. Given:

$$\text{Outer circumference} = 748 \text{ m}$$

$$\Rightarrow 2\pi r_0 = 748$$

$$\Rightarrow r_o = \frac{748}{2\pi}$$

$$\Rightarrow r_o = \frac{748 \times 7}{2 \times 22}$$

$$\Rightarrow r_o = 119$$

Inner circumferences = 396 m

$$\Rightarrow 2\pi r_i = 396$$

$$\Rightarrow r_i = \frac{396}{2\pi}$$

$$\Rightarrow r_i = \frac{396 \times 7}{2 \times 22}$$

$$\Rightarrow r_i = 63$$

Now, width of the racecourse = $r_o - r_i = 119 - 63 = 56$ m

Hence, option C is the correct answer.

75. A

Sol. Given:

Present value of an old car = Rs. 540000

Depreciation rate = 25% p.a.

$$\text{Now, value one year ago} = \frac{540000}{(100 - 25)} \times 100 = \frac{540000}{75} \times 100 \\ = \text{Rs. 720000}$$

$$\text{Value, two years ago} = \frac{720000}{(100 - 25)} \times 100 = \frac{720000}{75} \times 100 \\ = \text{Rs. 960000}$$

Hence, option A is the correct answer.

76. C

Sol. • National Commission for Scheduled Tribes (NCST) was established on **February 19, 2004**.
• It was established through Constitution's 89th Amendment Act, 2003.
• The Commission has been set up under Article 338A of the Indian constitution.
• **Kunwar Singh** was the first chairperson of the commission.
• The present chairman of commission is **Harsha Chauhan**.

77. C

- Sol. • **Drukpa Tshechi** festival is associated with **Lord Buddha**.
• This festival celebrates **Lord Buddha's first preaching of the Four Noble Truths to his first five disciples at Saranath**.
• The festival is held on the 4th day of the 6th month of the Tibetan lunar calendar.
• This is the main festival of the Hindu Nepalese community of Sikkim celebrated usually in the month of October.

78. C

- Sol. • The Godavari is India's second longest river after the Ganga.
• It originates in **Trimbakeshwar, Nashik, Maharashtra**.
• The principal tributaries of the river Godavari are the Pravara, the Purna, the Manjra, the Penganga, the Wardha, the Wainganga the Pranhita (combined flow of Wainganga, Penganga, Wardha), the Indravati, the Maner and the Sabri.

79. A

- Sol. • The Reserve Bank of India also acted as the central bank for **Burma (Myanmar)** till April 1947.
• Burma (Myanmar) seceded from the Indian Union in 1937 but the Reserve Bank continued to act as the Central Bank for Burma till Japanese Occupation of Burma and later upto April, 1947.
• After the partition of India, the Reserve Bank served as the central bank of Pakistan upto June 1948 when the State Bank of Pakistan commenced operations.
• The Reserve Bank of India (RBI) was established on April 1, 1935.
• It is headquartered in Mumbai, Maharashtra.
• Currently, Shaktikanta Das is serving as the 25th governor of the Reserve Bank of India (RBI).

80. A

- Sol. • The ancient port of Sopara is located in **Thane, Maharashtra**.
• It is mentioned in Mahabharata as one of the important places in the Aparanta Region.
• Sopara is the only port in Western India where an Ashokan edict has been found.
• Uddhav Thackeray is the current chief minister of Maharashtra.
• Bhagat Singh Koshyari is the current governor of Maharashtra.

81. C

- Sol. • According to the 2011 Census of India, the Indian population increased to 1.21 billion with a decadal growth of **17.70%**.
• According to the census 2011, Kerala is the highest literate state in the country with 93.91% of literacy rate.
• Bihar is the least literate state with a literacy rate of 63.82%.
• Census 2011 was the 15th National Census of the India.

82. A

- Sol. • **I.M. Vijayan** is a former professional Indian **football player**.
• He was nominated for Padma Shri award in 2020.
• He was awarded the Arjuna Award in 2003.
• He was crowned Indian Player of the Year in 1993, 1997 and 1999.

83. B

- Sol. • **Nari Shakti** (women empowerment) was chosen as the Hindi word of the year 2018 by Oxford Dictionaries.
• The word "Nari Shakti" has been derived from Sanskrit, the word 'nari' means women and 'shakti' means power.
• In 2017, Oxford Dictionaries had chosen '**Aadhar**' as the word of the year.
• The Oxford Hindi Word of the Year 2019 was "Samvidhaan" (Constitution).

84. A

- Sol. • Tim Brooke-Taylor was an **English actor and comedian**.
• He is best known for his acting work on the 1970s comedy show, I'm Sorry, I'll Read That Again.
• He died of complications from COVID-19 on 12 April 2020.

85. B

- Sol. • **Article 39 of the Indian Constitution** directs the State to ensure the right of citizens to adequate means of livelihood.
• Article 29 deals with the Protection of interests of minorities.
• Article 27 deals with Freedom from taxation for promotion of a religion. It lays down that no person shall be compelled to pay any taxes for the promotion or maintenance of any particular

religion.

- Article 33 of the Indian constitution deals with the limitations on the enforcement of fundamental rights.

86. C

- Sol. • **Urjit Patel** was appointed as the chairman of the National Institute of Public Finance and Policy (NIPFP) in June 2020.
• He assumed office on June 19, 2020.
• He also served as the 24th Governor of the Reserve Bank of India.
• The National Institute of Public Finance and Policy (NIPFP) is an autonomous research institute under India's Ministry of Finance.
• It is headquartered in New Delhi.

87. A

- Sol. • C. Rajagopalachari break the salt law at **Vedaranyam** in the year **1930**.
• C. Rajagopalachari began his march from Tiruchi on April 13 and reached Vedaranyam on April 28, 1930.
• Chakravarti Rajagopalachari was the last Governor-General of India (first Indian-born governor-general).
• Vedaranyam is a town in Nagapattinam district in the Indian state of Tamil Nadu.

88. D

- Sol. • **Atal Mission for Rejuvenation and Urban Transformation (AMRUT)** was launched by Prime Minister Narendra Modi in **June 2015**.
• It was formerly known as Jawaharlal Nehru National Urban Renewal Mission.
• Rajasthan was the first state in the country to submit State Annual Action Plan under AMRUT.
• The objective of AMRUT Mission is to provide water supply, sanitation and sewage connection to all the cities of the country.

89. D

- Sol. • **Kwashiorkor** is a form of acute malnutrition that occurs due to **protein deficiency**.
• This is the most common disease in children.
• In the 1950s, this disease was recognized as a public health crisis by the World Health Organization.

90. C

- Sol. • **Havelock Island (Swaraj Island)** is one of the largest islands in Ritchie's Archipelago.
• It is located in **Andaman and Nicobar Islands**.
• The Andaman and Nicobar Islands is a union territory of India.
• Port Blair is the capital city of the Andaman and Nicobar Islands.

91. D

- Sol. • The 30 Rigveda manuscripts dating from 1800 to 1500 BC included in the UNESCO's Memory of the World Register in **2007**.
• Unesco's Memory of the World Register is a compendium of documentary heritage of exceptional value.
• Rig Veda is the oldest of the four Vedas.
• There are four Vedas: the Rigveda, the Yajurveda, the Samaveda and the Atharvaveda.
• The United Nations Educational, Scientific and Cultural Organization (UNESCO) was established on **November 16, 1945**.
• It is headquartered in **Paris, France**.

92. D

- Sol. • **BCG (bacille Calmette-Guerin)** is a vaccine for tuberculosis (TB) disease.
• It is named after its inventors Albert Calmette and Camille Guerin.
• The vaccine was developed over a period of 13 years, from 1908 to 1921.
• BCG vaccine provides immunity or protection against tuberculosis (TB).

93. D

- Sol. • **Oxygen** is not a noble gas.
• Noble gases are a group of chemical elements with similar properties.
• They are commonly called Group 18.
• The six naturally occurring noble gases are helium (He), neon (Ne), argon (Ar), krypton (Kr), xenon (Xe), and the radioactive radon (Rn).

94. C

- Sol. • **Niki Poonacha** is a professional Indian **tennis player**.
• He has represented India in the Davis Cup and South Asian Games.

- The All India Tennis Association (AITA) is the governing body of tennis in India.
- It was established in **1920**.

95. C

Sol. • **India Wins Freedom** is not a writing work of Lala Lajpat Rai.

- It was authored by **Abul Kalam Azad**.
- Lala Lajpat Rai was popularly known as Punjab Kesari.
- He was one of the three members of the Lal Bal Pal (Lala Lajpat Rai, Bal Gangadhar Tilak, and Bipin Chandra Pal) triumvirate.

96. C

Sol. • Cyanocobalamin is a man-made form of **vitamin B12**.

- Vitamin B12 is required for the function and development of many parts of the body, including the brain, nerves, and blood cells.
- It is found in foods such as meat, fish, and dairy.

97. B

Sol. • The NITI Aayog (National Institution for Transforming India) is the apex public policy think tank of the Government of India.

- It was established in 2015 (in place of Planning Commission).
- The NITI Aayog council comprises all the state Chief Ministers, along with the Chief Ministers of Delhi and Puducherry, Lieutenant Governors of all UTs, and a vice-chairman nominated by the Prime Minister.
- **Prime Minister of India acts as the Chairperson of Niti Aayog.** Currently, Narendra Modi is the chairperson of NITI Aayog.
- Rajiv Kumar is the current vice chairperson of Niti Aayog.

98. D

Sol. • HVJ (HVJ Gas Pipeline) is an abbreviation for **Hazira-Vijaipur-Jagdishpur**.

- The pipeline runs from Hazira, Gujarat through Vijaipur, Madhya Pradesh to Jagdishpur, Uttar Pradesh.
- It is India's first cross state gas pipeline.
- The project was started in **1986**.

99. D

- Sol. • It is said that **Guru Arjun Dev** (the fifth Guru of the Sikhs) assisted the rebellious prince Khusrau with wealth and blessings.
• He was arrested under the orders of the Mughal Emperor Jahangir and executed in 1606 CE.
• He is credited with compiling the Adi Granth.
• He completed the construction of Amritsar and founded the cities of Taran and Kartarpur.

100. C

- Sol. • Carnotite is an ore of **uranium**.
• It is a potassium uranium vanadate radioactive mineral.
• It is a bright greenish-yellow mineral.
• It occurs typically as crusts and flakes in sandstones.
• Carnotite is reported in Congo (Kinshasa), Morocco, Australia (Radium Hill) and Kazakhstan.
• The mineral was first described in 1899 by French scientists M. M. C. Freidel and E. Cumenge.

Mock Test Solutions in Hindi

Questions

1. The given sentence contains a grammatical error. Identify the segment that contains the error.

There is no one else in this house; I can feel the presence.

2. Select the most appropriate word which means the same as the group of words given.

Overflow or fill an area with excess water, as in a flood

- A. Inundate
 - B. Storm
 - C. Cover
 - D. Supersede

3. The given sentence contains a grammatical error. Identify the segment that contains the error.

I will join you tomorrow if I will have time.

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

ABUSE

- | | |
|--------------|---------|
| A. Terminate | B. Use |
| C. Close | D. Harm |

5. Select the most appropriate option to substitute the underlined segment in the given sentence.

Suman and his friend often coming here to read books.

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

There is no problem with your bike; it's in good _____.

The Sports Committee was asked to give an explanation for dropping the boy into the school team.

- A. from
 - B. in
 - C. No substitution required
 - D. away

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

Make out

- A. Understand someone or something with difficulty B. Invent an explanation for something
C. Become friends again with someone D. Run away from a difficult situation

- 9. Choose the correctly spelt word.**

10. The given sentence contains a grammatical error. Identify the segment that contains the error.

You look very tired; you would go to bed now.

- A. You look B. to bed now
C. you would go D. very tired

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

ALLOW

- A. Reject
 - B. Stop
 - C. Permit
 - D. Disallow

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

Pick and choose

- A. Start all over again after a crisis
 - B. Select only the best from choices
 - C. Question someone on a topic
 - D. Start a quarrel or a fight over something

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

I am sure that there isn't _____ on this campus now.

- A. nobody
- B. no one
- C. somebody
- D. anybody

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

After many years of _____ the world's first test tube baby was born in 1978

- A. success
- B. experience
- C. service
- D. research

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

If you had come to the match yesterday with us, you _____ watching it.

- A. had enjoyed
- B. would enjoy
- C. should have enjoyed
- D. would have enjoyed

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

ALIKE

- A. Ordinary
- B. Similar
- C. Same
- D. Different

17. Choose the correctly spelt word.

- A. Illegible
- B. Illejible
- C. Ilegibel
- D. Ilijible

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

ABOLISH

- A. Disprove
- B. Contest
- C. Continue
- D. Disclose

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'.

I asked my friend that when would she return from her trip.

- A. when she would
- B. that when she was returning
- C. so when would she
- D. No substitution required

20. Select the most appropriate word which means the same as the group of words given.

Move ahead or forward steadily and gradually

- | | |
|-----------|------------|
| A. Forego | B. Parade |
| C. Forge | D. Forerun |

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.

Today, nearly every Indian has a mobile phone. From the time the first (1)_____ was made in India using a mobile phone on July 31, 1995, a lot of (2)_____ have taken place in the use of mobile phones in the last twenty-five years or so. The number of mobile phone users is (3)_____ to have recorded a growth of three thousand times during this period. Initially, the call rates were expensive and the cost of early devices was high – very few people could (4)_____ a mobile phone. However, mobile phone usage has risen sky high because of these reasons: the call rates have fallen (5)_____ and smartphones have made the internet accessible in our palms.

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

- | | |
|---------|----------|
| A. part | B. call |
| C. step | D. piece |

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

- | | |
|---------------|------------|
| A. promotions | B. changes |
| C. lies | D. facts |

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

- | | |
|--------------|---------------|
| A. summed up | B. reported |
| C. doubted | D. considered |

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

- | | |
|-----------|------------|
| A. afford | B. sell |
| C. use | D. produce |

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

- | | |
|-----------------|----------------|
| A. unevenly | B. evenly |
| C. occasionally | D. drastically |

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

15, 30, 44, 57, 69, ?

A. 80

C. 78

B. 91

D. 85

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

PENCIL : QJOHNM :: ALBUM : ?

A. EMDZS

B. ENCYR

C. FNBZS

D. FMCZR

28. यदि नीचे दिए अनुसार गणितीय प्रतीकों को बदल दिया जाता है, तो उस विकल्प का चयन करें जो सही समीकरण को दर्शाता है।

× का अर्थ +

– का अर्थ ×

+ का अर्थ ÷

÷ का अर्थ –

A. $18 \times 25 + 5 \div 7 \times 11 = 27$ B. $18 + 25 - 30 \div 7 \times 11 = 30$ C. $18 + 25 - 30 \times 7 \div 11 = 14$ D. $18 \div 25 + 30 - 7 \times 11 = 31$

29. उस सही विकल्प का चयन करें जो निम्नलिखित इकाइयों की व्यवस्था को तार्किक और सार्थक क्रम में झंगित करता है:

1) बाइट

2) मेगाबाइट

3) टेराबाइट

4) गीगाबाइट

5) किलोबाइट

A. 3, 1, 2, 4, 5

B. 1, 5, 4, 2, 3

C. 1, 5, 2, 4, 3

D. 1, 5, 2, 3, 4

30. उस संख्या का चयन करें जो निम्नलिखित शरूंखला में प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित कर सकती है।

11, 23, ?, 95, 191

31. उस विकल्प का चयन करें जो तीसरी संख्या से उसी प्रकार संबंधित है जिस प्रकार दूसरी संख्या पहली संख्या से संबंधित है।

$$125 : 343 :: 1331 : ?$$

32. छह कर्मचारी (A, B, C, D, E, F) आठ कुर्सियों वाली एक गोल मेज पर बैठे हैं। उनमें से दो एक दूसरे के ठीक विपरीत नहीं बैठे हैं। उसके बगल में कोई नहीं बैठा है। E, F की दाईं ओर से तीसरे स्थान पर बैठा है। B, A के विपरीत बैठा है। D, E के विपरीत बैठा है, जो E की दाईं ओर से दूसरे स्थान पर है। C, A और E के मध्य में बैठा है।

C के संदर्भ में F का स्थान क्या है?

33. उस विकल्प आकृति की पहचान करें जिसे रिक्त स्थान में रखे जाने पर दी गई परशन आकृति में पैटर्न प्रा होगा।



34. एक निश्चित कूट भाषा में, ANKLE को BBVXJ के रूप में लिखा जाता है। तो उसी कूट भाषा में THIGH को किस प्रकार लिखा जाएगा?

A. NPRNP

C. MRPNP

B. NPRMP

D. NRPMP

35. एक निश्चित कूट भाषा में ADDRESS का कूट 25 और BOLT के लिए कूट 13 है। तो उसी कूट भाषा में CASTE को किस प्रकार लिखा जाएगा?

A. 12

C. 14

B. 19

D. 23

36. एक निश्चित कूट भाषा में, MALE को RGSM के रूप में लिखा जाता है। तो उसी कूट भाषा में SEAM को किस प्रकार लिखा जाएगा?

A. TJGW

B. WJGT

C. XKHU

D. LGMR

37. यदि नीचे दिए अनुसार गणितीय प्रतीकों को बदल दिया जाता है, तो \div का अर्थ \times ; \times का अर्थ $-$; $+$ का अर्थ \div ; तथा $-$ का अर्थ $+$ है, तो उस विकल्प का चयन करें जो दिए गए समीकरण के अंतिम मान को दर्शाता है।

$$39 + 3 \div 4 - 1 \times 3$$

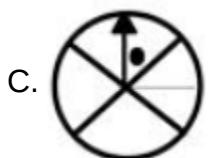
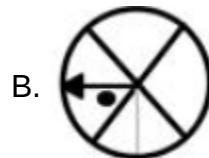
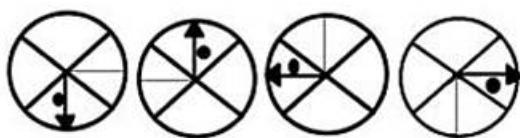
A. 46

B. 50

C. 53

D. 51

38. उस आकृति का चयन करें जो निम्नलिखित शृंखला में आगे आएगी।



39. एक निश्चित कूट भाषा में JOHN को 60 और RANI को 72 के रूप में लिखा जाता है। तो उसी कूट भाषा में YUVAAN को किस प्रकार लिखा जाएगा?

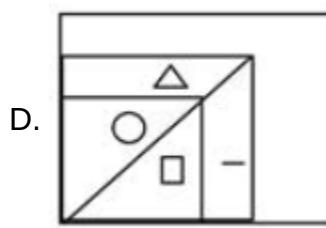
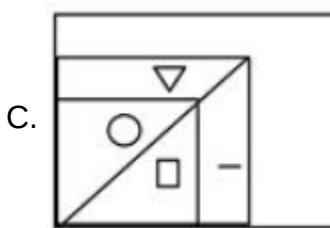
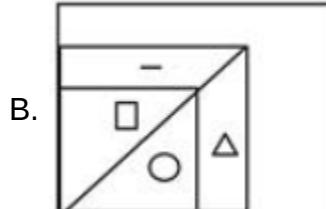
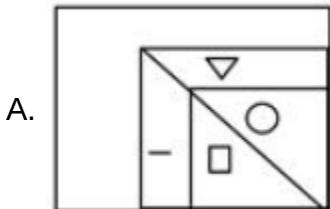
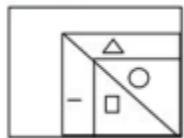
A. 69

B. 21

C. 63

D. 66

40. लोकेश सरीसृपों और उभयचरों के अध्ययन के एक विशेषज्ञ हैं। लोकेश एक है:
- A. त्वचा विशेषज्ञ
 - B. कीटविज्ञानी
 - C. पक्षी विज्ञानी
 - D. पशु चिकित्सक
41. दी गई आकृति की सही दर्पण छवि का चयन करें जब दर्पण को आकृति की दाईं ओर स्थापित किया जाता है।



42. छह कर्मचारी (A, B, C, D, E, F) आठ कुर्सियों वाली एक गोल मेज पर बैठे हैं। उनमें से दो एक दूसरे के ठीक विपरीत नहीं बैठे हैं। उसके बगल में कोई नहीं बैठा है। E, F की दाईं ओर से तीसरे स्थान पर बैठा है। B, A के विपरीत बैठा है। D, E के विपरीत बैठा है, जो E की दाईं ओर से दूसरे स्थान पर है। C, A और E के मध्य में बैठा है।

यदि बॉस प्रत्येक भुजा में खाली कुर्सी के आसन्न बैठा है, तो उनमें से कौन बॉस है?

- A. A
- B. D
- C. B
- D. F

43. तीन कथनों के बाद तीन निष्कर्ष संख्या I, II और III दिए गए हैं। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, निर्णय लें कि कौन सा/से निष्कर्ष दिए गए कथनों का तार्किक रूप से अनुसरण करता है/हैं।

कथन:

- 1) कुछ चीज़, बटर हैं।

2) सभी ऑयल, बटर हैं।

3) कोई बटर, लिविड नहीं है।

निष्कर्ष:

19. कोई ऑयल, लिविड नहीं है।

II. कुछ बटर, चीज़ हैं।

III. सभी बटर, ऑयल हैं।

A. दोनों निष्कर्ष I और II अनुसरण करते हैं

C. कोई भी निष्कर्ष अनुसरण नहीं करता है

B. दोनों निष्कर्ष II और III अनुसरण करते हैं

D. सभी निष्कर्ष I, II और III अनुसरण करते हैं

44. दिए गए पैटर्न का ध्यानपूर्वक अध्ययन करें और उस संख्या का चयन करें जो उसमें प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित कर सकती है।

5	7	12
3	6	9
12	?	99

A. 09

B. 32

C. 36

D. 78

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

बोतल : कैप :: जार : ?

A. शील्ड

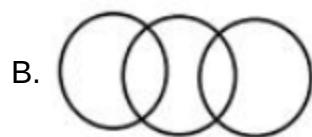
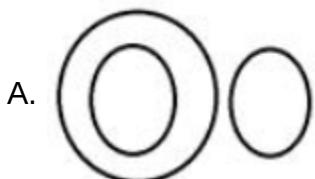
B. मास्क

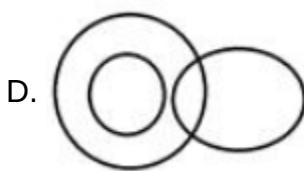
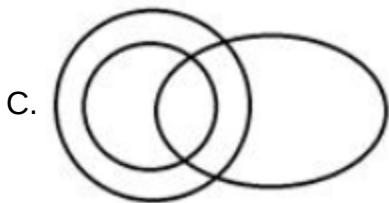
C. प्लास्टिक

D. लीड

46. उस वेन आरेख का चयन करें जो निम्नलिखित वर्गों के बीच के संबंध को सर्वोत्तम रूप से दर्शाता है।

चारकोल, काला रंग, व्लासरूम बोर्ड





47. दो कथनों के बाद दो निष्कर्ष संख्या । और ॥ दिए गए हैं । यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, निर्णय लें कि कौन सा/से निष्कर्ष दिए गए कथनों का तार्किक रूप से अनुसरण करता है/हैं ।

कथनः

- 1) कुछ ऑरेंज, येलो हैं।
 - 2) कछ येलो, गरेप्स हैं।

ନିଷ୍ଠାର୍ଥ-

- ## I. कछ ऑरेंज, गरेप्स हैं।

- ॥ सभी गरेप्स, येलो हैं ॥

- A. न तो निष्कर्ष | न ही || अनसरण करता है

- B. केवल निष्कर्ष | अनस्सरण करता है

- D केवल निष्कर्ष ॥ अनुसरण करता है

- 48 चार अक्षर समझ दिए गए हैं जिनमें से तीन किसी न किसी रूप में एक समान हैं जबकि एक भिन्न है। विषम का चयन करें।

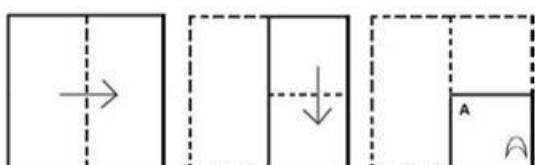
- A | PR

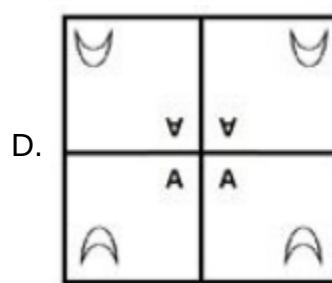
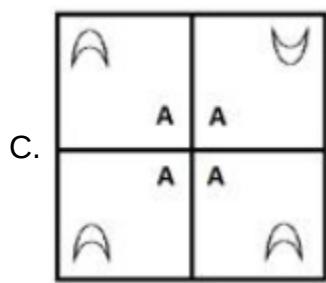
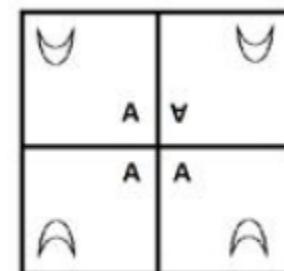
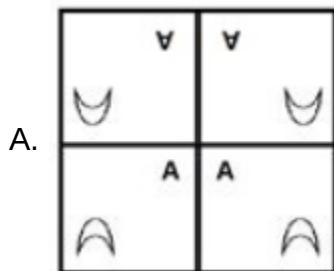
- B DH1

- C. INP

- D_CGI

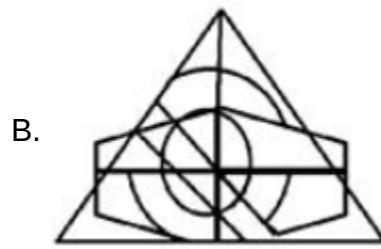
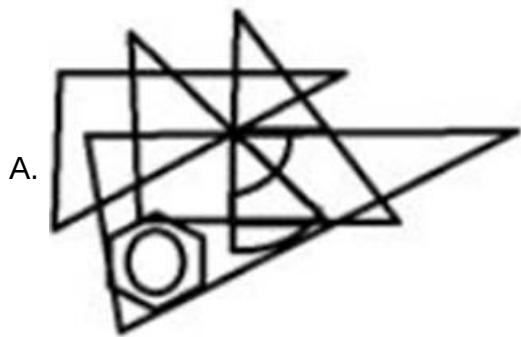
49. एक कागज को नीचे दर्शाएं अनसार मोड़ा और काटा जाता है। कागज को खोले जाने पर यह कैसा दिखाई देगा?





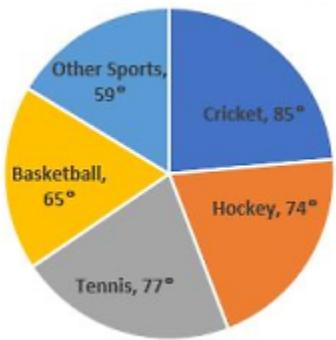
50. उस विकल्प का ध्यन करें जिसमें दी गई आकृति अंतर्निहित है (रोटेशन की अनुमति नहीं है)।

B



51. **निर्देश:** नीचे दिया गया पाई चार्ट 2015 के दौरान विभिन्न खेलों पर एक देश के व्यय का प्रतिनिधित्व करता है। पाई चार्ट का अध्ययन करें और नीचे दिए गए प्रश्नों के उत्तर दें।

नोट: यह आकृति पैमाने पर नहीं बनाई गई है।



2015 के दौरान क्रिकेट और टेनिस पर कुल व्यय का कितना प्रतिशत खर्च किया गया है?

- A. 50% B. 23.6%
C. 45% D. 21.4%

2015 में, पिछले वर्ष की तुलना में क्रिकेट और अन्य खेलों पर व्यय में क्रमशः 50% और 25% की वृद्धि हुई। तो 2014 में क्रिकेट और अन्य खेलों पर व्यय का अनुपात कितना था?

A. 354 : 425 B. 97 : 170
C. 425 : 354 D. 170 : 97

यदि 2015 के दौरान खेलों पर व्यय की गई कुल राशि 5,20,00,000 रुपये है, तो हॉकी पर व्यय की गई राशि (रुपये में) बास्केटबॉल पर व्यय की गई राशि से कितनी अधिक है?

A. 52,00,000 B. 13,00,000
C. 26,00,000 D. 39,00,000

12 छात्रों के एक समूह की औसत ऊंचाई 170 सेमी है। यदि 154 सेमी, 157 सेमी, 165 सेमी और 172 सेमी ऊंचाई वाले चार छात्रों ने यह समूह छोड़ दिया। तो इस समूह की नई औसत ऊंचाई (सेमी में) ज्ञात करें?

A. 165 B. 176
C. 170 D. 174

एक वस्तु का क्रय मूल्य उसके विक्रय मूल्य से 25% कम है। लाभ या हानि प्रतिशत ज्ञात करें?

A. 33.33%, हानि B. 66.67%, लाभ
C. 33.33%, लाभ D. 66.67%, हानि

A और B समान दूरी क्रमशः 8 किमी/घंटा और 12 किमी/घंटा की गति से तय करते हैं। यदि B, A द्वारा लिए गए समय से 30 मिनट कम लेता है, तो उनमें से प्रत्येक द्वारा तय की गई दूरी (किमी में) ज्ञात करें।

A. 12 B. 10
C. 15 D. 8

A और B एक काम को 15 दिनों में कर सकते हैं, जबकि B और C इसी काम को 12 दिनों में और C तथा A इसी काम को 10 दिनों में कर सकते हैं। वे सभी 5 दिनों तक एक साथ कार्य करते हैं, और फिर B और C काम छोड़ देते हैं। तो A को यह काम समाप्त करने में कितने

दिन और लगेंगे?

- | | |
|---|-------------------|
| A. 12 | B. 4 |
| C. 15 | D. 9 |
| दो संख्याएँ एक तीसरी संख्या से 32% और 48% अधिक हैं। तो दूसरी संख्या पहली संख्या की कितने प्रतिशत (दो दशमलव स्थानों तक सही) है? | |
| A. 89.19% | B. 112.12% |
| C. 102.19% | D. 150.12% |
| एक हवाई जहाज ने निर्धारित समय से 45 मिनट बाद प्रारंभिक बिंदु से उड़ान भरी। इसका गंतव्य प्रारंभिक बिंदु से 2100 किमी दूर था। समय पर पहुंचने के लिए पायलट को अपनी सामान्य गति से गति में 40% की वृद्धि करनी पड़ी। तो बढ़ी हुई गति (किमी/घंटा में) कितनी थी? | |
| A. 1870 | B. 2520 |
| C. 2940 | D. 1120 |
| एक कंपनी द्वारा अर्जित लाभ को कंपनी में अपना पैसा निवेश करने वाले तीन दोस्तों के बीच 6: 9: 11 के अनुपात में विभाजित किया जाना है। यदि सबसे अधिक निवेश करने वाले व्यक्ति का हिस्सा 2,310 रुपये है, तो अन्य दो मित्रों द्वारा प्राप्त राशि का योग (रुपये में) ज्ञात करें। | |
| A. 1,890 | B. 3,150 |
| C. 5,460 | D. 1,260 |
| एक टंकी को पूरी तरह से पानी से भरना है जिसके लिए एक ही प्रकार के 8 पाइपों का उपयोग किया जाता है। यह टंकी 1 घंटे 40 मिनट में भर जाती है। यदि एक ही प्रकार के 10 पाइप उपयोग किया जाता है जैसा कि ऊपर बताया गया है, तो यह टंकी कितने समय में (घंटों और मिनटों में) पूरी तरह से भर जाएगी? | |
| A. 1 घंटे 30 मिनट | B. 1 घंटे 20 मिनट |
| C. 1 घंटे 45 मिनट | D. 2 घंटे 5 मिनट |
| 8 का $15 - 6 + [(27 - 3) \div 6 - 4]$ का मान ज्ञात करें। | |
| A. 126 | B. 114 |
| C. 118 | D. 120 |
| निम्नलिखित संख्याओं का माध्य (2 दशमलव अंक तक) ज्ञात करें: | |
| 8.9, 6.5, 7.8, 12.3, 15.6, 14.4, 9.8 | |
| A. 8.96 | B. 7.85 |
| C. 9.83 | D. 10.76 |
| 3.6 का $\left[\frac{5}{8} - \left\{ \frac{5}{8} - \left(\frac{5}{8} - \frac{3}{8} \right) \right\} \right] - 0.8 \div 10$ का सरलीकृत मान ज्ञात करें। | |

- C. 75 D. 77

73. 12 मीटर लंबी, 9 मीटर ऊँची और 30 सेमी मोटी एक दीवार का निर्माण किया जाना है। यदि सभी ईंटों की लंबाई 24 सेमी, चौड़ाई 18 सेमी और ऊँचाई 15 सेमी है, तो इस निर्माण में ऐसी कितनी ईंटों की आवश्यकता होगी?

A. 5000 B. 6500
C. 6000 D. 5500

74. एक रेसकोर्स का मैदान वलयाकार वलय के रूप में है जिसकी बाह्य और अन्तः परिधि क्रमशः 748 मीटर और 396 मीटर है। तो इस रेसकोर्स की चौड़ाई (मीटर में) ज्ञात करें। ($\pi = \frac{22}{7}$ लीजिये)

A. 176 B. 88
C. 56 D. 28

75. एक पुरानी कार का वर्तमान मूल्य 5,40,000 रुपये है। इसके मूल्य में 25% प्रतिवर्ष की दर से मूल्यह्रास होता है। तो 2 वर्ष पहले इसका मूल्य (रुपये में) कितना था?

A. 9,60,000 B. 7,20,000
C. 6,30,000 D. 2,16,000

76. राष्ट्रीय अनुसूचित जनजाति आयोग निम्नलिखित में से किस वर्ष एक पृथक आयोग के रूप में अस्तित्व में आया?

A. 2000 B. 2006
C. 2004 D. 2002

77. सिक्किम में मनाया जाने वाला त्योहार द्रुक्पा त्वोची निम्नलिखित में से किस व्यक्तित्व से संबंधित है?

A. महावीर स्वामी B. भगवान राम
C. भगवान बुद्ध D. भगवान कृष्ण

78. निम्नलिखित में से किस नदी का उद्गम महाराष्ट्र के त्रयंबकेश्वर से होता है?

A. कृष्ण B. दामोदर
C. गोदावरी D. महानदी

79. भारतीय रिजर्व बैंक ने भी अप्रैल 1947 तक _____ के लिए केंद्रीय बैंक के रूप में कार्य किया।

A. बर्मा B. नेपाल
C. भूटान D. श्रीलंका

80. प्राचीन बंदरगाह, सोपारा निम्नलिखित में से किस राज्य में स्थित है?

A. महाराष्ट्र B. केरल
C. उड़ीसा D. तमिलनाडु

81. भारत की 2011 की जनगणना के अनुसार, भारत की दशकीय विकास दर लगभग थी:

A. 19.3% B. 15.6%

- C. 17.7% D. 20.5%

82. आई.एम.विजयन, जिन्हें जून 2020 में पद्म श्री पुरस्कार के लिए अनुशंसित किया गया था, _____ के एक पेशेवर खिलाड़ी हैं।
A. फुटबॉल B. क्रिकेट
C. शतरंज D. हॉकी

83. ऑक्सफोर्ड डिक्शनरी का हिंदी वर्ड ऑफ द ईयर 2018 निम्नलिखित में से कौन सा था?
A. अराजक तत्व B. नारी शक्ति
C. संगठन D. नवयुवक

84. टिम ब्रुक-टेलर, जिन्होंने अप्रैल 2020 में यूके में अंतिम सांस ली, किस क्षेत्र में उनके योगदान के लिए जाने जाते थे:
A. अभिनय B. खेल
C. साहित्य D. वास्तुकला

85. भारतीय संविधान का निम्नलिखित में से कौन सा अनुच्छेद राज्य को नागरिकों के आजीविका के पर्याप्त साधनों के अधिकार को सुनिश्चित करने का निर्देश देता है?
A. अनुच्छेद 29 B. अनुच्छेद 39
C. अनुच्छेद 27 D. अनुच्छेद 33

86. जून 2020 में, निम्नलिखित में से किसे राष्ट्रीय लोक वित्त और नीति संस्थान (NIPFP) के अध्यक्ष के रूप में नियुक्त किया गया था?
A. कृष्णमूर्ति सुब्रमण्यम B. कौशिक बसु
C. उर्जित पटेल D. अरविंद सुब्रमण्यम

87. सी. राजगोपालाचारी ने वर्ष 1930 में निम्नलिखित में से किस स्थान पर नमक कानून तोड़ा था?
A. वेदारण्यम B. तिरुचि
C. तिरुपति D. मदुरै

88. निम्नलिखित में से कौन सा अटल मिशन फॉर रिजुवेनेशन एंड अर्बन ट्रांसफॉर्मेशन के लिए संक्षिप्त नाम है?
A. उज्ज्वला (UJJWALA) B. उदय (UDAY)
C. उजाला (UJALA) D. अमृत (AMRUT)

89. क्वाशियोरकोर रोग शरीर में निम्न में से किसकी अत्यधिक कमी से होता है।
A. विटामिन K B. कैल्शियम
C. लोहा D. प्रोटीन

90. लोकप्रिय पर्यटन स्थल हैवलॉक द्वीप कहाँ स्थित है?
A. गोवा B. लक्षद्वीप
C. अंडमान और निकोबार द्वीप समूह D. केरल

91. किस वर्ष में 1800 से 1500 ईसा पूर्व की 30 ऋग्वेद पांडुलिपियों को यूनेस्को की मेमोरी ऑफ द वर्ल्ड रजिस्टर में शामिल किया गया था?
A. 2008 B. 2005

C. 2009

D. 2007

92. निम्नलिखित में से किस रोग के प्रति प्रतिरोधक क्षमता के लिए बीसीजी का टीका दिया जाता है?

- A. अस्थमा
- B. चेचक
- C. पोलियो
- D. क्षय रोग

93. निम्नलिखित में से कौन एक उत्कृष्ट गैस नहीं है?

- A. नियॉन
- B. किरप्टन
- C. आर्गन
- D. ॲक्सीजन

94. निकी पूनाचा एक पेशेवर _____ खिलाड़ी हैं।

- A. स्क्वैश
- B. पोलो
- C. टेनिस
- D. बास्केटबॉल

95. निम्नलिखित में से कौन लाला लाजपत राय की रचनाओं में से एक नहीं है?

- A. द स्टोरी ऑफ माय डिपोर्टेशन
- B. अन हैप्पी इंडिया
- C. इंडिया विन्स फ्रीडम
- D. आर्य समाज

96. निम्नलिखित में से किस विटामिन को 'सायनोकोबालमिन (cyanocobalamin)' भी कहा जाता है?

- A. विटामिन B-1
- B. विटामिन B-6
- C. विटामिन B-12
- D. विटामिन B-3

97. निम्नलिखित में से कौन नीति आयोग के अध्यक्ष हैं?

- A. राजीव कुमार
- B. नरेंद्र मोदी
- C. अमिताभ कांत
- D. निर्मला सीतारमण

98. एचवीजे (Hvj) पाइपलाइन में 'V' अक्षर का क्या अर्थ है, जो भारत की पहली अंतर-राज्य अंतर्देशीय प्राकृतिक गैस पाइपलाइन है?

- A. वडोदरा
- B. वाइकोम
- C. वडनगर
- D. विजयपुर

99. निम्नलिखित में से किस सिख आध्यात्मिक गुरु के बारे में कहा जाता है कि उन्होंने जहाँगीर के विद्रोही पुत्र खुसरो की सहायता की थी?

- A. गुरु अंगददेव
- B. गुरु रामदास
- C. गुरु अमर दास
- D. गुरु अर्जुन देव

100. खनिज कार्नोटाइट निम्न का एक महत्वपूर्ण स्रोत है:

- A. तांबा
- B. जिंक
- C. यूरेनियम
- D. लोहा

Solutions

1. D

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

- “Every”, “Some”, “Any” and “No” form compound nouns ending in “one”/“body” and “thing”.
- Someone/Somebody means “a person”. It sets the positive context in the sentence regarding availability of “person”.

For example:

There is **someone** at the door.

Someone must be held accountable for the killings.

- No one/Nobody means “no people”. It sets the negative context in the sentence regarding availability of “person”.

For example:

We were told to speak to **no one**.

It soon became apparent that **no one** was going to come.

- In the given sentence, the speaker “I” is saying that he can feel the presence of someone in the house. But we have used “no one else” that shows that there is “no person” in the house. This negative sense is not in consonance with what is mentioned by the speaker. So, we need a pronoun that adds some positive context regarding availability of a person in the house. Thus, “someone else” should be used in place of “no one else”.

Note: “Else” as an adverb is used to show “other person” in the house i.e. apart from speaker

- Hence, “**someone else**” is the correct substitution.

Thus, the correct sentence will be:

There is someone else in this house; I can feel the presence.

2. A

Sol. Inundate: to cover an area of land with a large amount of water.

Storm: to suddenly attack a place.

Cover: to place something over or in front of something in order to hide, protect or decorate it.

Supersede: to take the place of something/someone that is considered to be old-fashioned or no longer the best available.

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

3. B

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

- The error is related to the **first Conditionals**. It is used to show occurrence of probable event of future based on real condition. IF clause (condition) takes the present tense and mentions the real condition. Main clause (result) takes “modal” and mentions the probable future result.

For example:

If the sky clears, we will go for a ride.

- In the given sentence, there are two verbs “will join” and “will have”. The action “will have time” will happen first, after which the action “will join” will happen. Thus, “will have” is to be treated as a condition and “will join” as a result of that condition. Result is written correctly using modal verb “will” but we have erroneously used modal verb (future tense) in condition. Thus, verb in present tense (i.e. first form of verb) “have” should be used in place of “will have”.

- Hence, “**have time**” is the correct substitution.

Thus, the correct sentence will be:

I will join you tomorrow if I have time.

4. D

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

Abuse= to make bad use of something, or to use so much of something that it harms your health.

E.g.: He systematically **abused** his body with heroin and cocaine.

Terminate = to end or to make something end.

Use = to do something with a machine, a method, an object etc. for a particular purpose.

Close = to put something into a position so that it covers an opening; to get into this position.

Harm = to hurt or injure someone or to damage something.

E.g.: Rising oil prices could **harm** the global economy.

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

5. D

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

- The underlined part needs correction in verb.
- In the given sentence, conjunction “and” is used to connect two nouns “Suman” and “his friend”. Both of these are different entities which are joined together by “and”, so they would take a plural verb.

But we have used continuous form of verb “coming”. This is wrong because there is no clear indication about the continuity of the action verb “come”.

- Thus, it is appropriate to use a verb in the present tense (in the plural form) i.e. “come” to show a general/usual activity.
- Hence, “**often come here**” is the correct substitution.

Thus, the correct sentence will be:

Suman and his friend often come here to read books.

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

6. B

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

- *Health* = the condition of a person's body or mind.
- *Condition* = the state that something is in.
- *Size* = how large or small a person or thing is.
- *Conduct* = a person's behaviour in a particular place or in a particular situation.

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

- “*Health*” is used in the context of “condition of a person's body”. Thus, option A is incorrect.
- “*Size*” is used in the context of “how large or small a person or thing is”. Thus, option C is incorrect.
- “*Conduct*” is used in the context of “person's behaviour”. Thus, option D is incorrect.
- “*Condition*” is used to show the state of something. Here in the given sentence, it is used to show the “good” state of bike.

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

Thus, the correct sentence will be:

There is no problem with your bike; it's in good condition.

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

7. A

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

- The underlined part needs correction in preposition.
- "Into" as a preposition is used to show "in the direction of something". It is also used to show a change in state.

For example:

Speak clearly **into** the microphone.

The fruit can be made **into** jam.

- "From" as a preposition is used to show "where someone/something starts" or "the origin of something". It is also used to show a change in state.

For example:

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

I am **from** India.

- In the given sentence, we need a preposition that shows "where (origin of) boy was dropped". But we have used preposition "into" that shows "in the direction of something". This is wrong as its meaning is not in consonance with the meaning of the sentence. Thus, preposition "from" should be used to show that boy was dropped from "the school team" i.e. the "origin".
- Hence, "**from**" is the correct substitution.

Thus, the correct sentence will be:

The Sports Committee was asked to give an explanation for dropping the boy from the school team.

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

8. A

Sol. The idiom "**Make out**" means to manage to see someone/something or read or hear

something. OR to distinguish something.

Example: I could hear voices but I couldn't **make out** what they were saying.

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

9. D

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

“Nuisance” is the correct spelling. It means a thing, person or situation that is annoying or causes trouble or problems.

10. C

Sol. The sentence is grammatically incorrect, and the error lies in **option C**. The error is related to **the verb (Modal verb)**.

- “Should” as a modal verb is used to give advice. It is also used to show what is right, appropriate etc. especially when criticizing someone’s actions.

For example:

You **should** stop worrying about it.

You **should** not drink and drive.

I **should** wait a little longer, if I were you.

- “Would” as a modal verb is used for talking about the result of an event that you imagine.

For example:

If you went to see him, he **would** be delighted.

Hurry up! It **would** be a shame to miss the beginning of the play.

- In the given sentence, we have erroneously used the modal verb “would” to give a piece of advice (i.e. “to go to sleep”) to listener (i.e. “You”) who was tired. Thus, modal verb “should” should be used in place of “would”.

- Hence, “**you should go**” is the correct substitution.

Thus, the correct sentence will be:

You look very tired; you should go to bed now.

11. C

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

Allow = to let someone/something do something.

E.g.: His parents won't **allow** him to stay out late.

Reject = to refuse to accept or consider something.

Stop = to no longer move; to make someone/something no longer move.

Permit = to allow someone to do something or to allow something to happen.

E.g.: Mobile phones are not **permitted** in the examination room.

Disallow = to officially refuse to accept something because it has not been done in the correct way.

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

12. B

Sol. The idiom "**Pick and choose**" means to choose only those things that you like or want very much.

Example: You have to take any job you can get. You can't **pick and choose**.

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

13. D

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

- *Nobody* = (pronoun) is used to show "not anyone" or "no person".
- *No one* = (pronoun) is also used to show "not anyone" or "no person".
- *Somebody* = (pronoun) is used to show a person who is not known or mentioned by name.
- *Anybody* = (pronoun) used instead of "somebody" in negative sentences and in questions.

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

- "Nobody" and "No one" as a pronoun are used in the context of "no person". Thus, options A and B are incorrect.
- "Somebody" as a pronoun is used to show a person who is not known or mentioned by name. But it is not used in negative sentences. Thus, option C is incorrect.
- "Anybody" as a pronoun is used instead of "somebody" in negative sentences and in questions. Here, the given sentence is negative because the negative adverb "not" is used after the helping verb "is". Also, the person (who is being referred by speaker) is not known to the speaker.

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

Thus, the correct sentence will be:

I am sure that there isn't anybody on this campus now.

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

14. D

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

- *Success* = the fact that you have achieved something that you want and have been trying to do or get.
- *Experience* = the knowledge and skill that you have gained through doing something for a long period of time.
- *Service* = a system that provides something that the public needs.
- *Research* = a careful study of a subject, especially in order to discover new facts or information about it.

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

- "Success" means achieving something that you have desired. Thus, option A is incorrect.
- "Experience" means knowledge and skill gained over a period of time. Thus, option B is incorrect.
- "Service" means to provide something. Thus, option C is incorrect.
- "Research" means a careful study of a subject, especially in order to discover new facts or information about it. Here in the given sentence, it is used to mention that it was after years of careful study, the world's first test tube baby was born in 1978.

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

Thus, the correct sentence will be:

After many years of research the world's first test tube baby was born in 1978.

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

15. D

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

- *Had enjoyed* = is the structure of verb used in conditional clause of third conditional.
- *Would enjoy* = is the structure of verb used in main clause of second conditional.

- *Should have enjoyed* = is the structure of verb used in main clause of third conditional. Modal verb “should” is used to give advice.
- *Would have enjoyed* = is the structure of verb used in main clause of third conditional. Modal verb “would” is used to show possibility.

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

- “*Had enjoyed*” is the structure of verb used in conditional clause of third conditional. But filler needs verb in main clause of third conditional. Thus, option A is incorrect.
- “*Would enjoy*” is the structure of verb used in main clause of second conditional. But filler needs verb in main clause of third conditional. Thus, option B is incorrect.
- “*Should have enjoyed*” is the structure of verb used in main clause of third conditional. Modal verb “should” is used to give advice. But we need a modal verb that shows the possibility of happening of an imagined result based on an imagined condition. Thus, option C is incorrect.
- “*Would have enjoyed*” is the structure of verb used in the main clause of the third conditional. The modal verb “would” is used to show possibility. Here, the given sentence is written in the third conditional i.e. show imagined result based on imagined condition.

IF clause (condition) takes the past perfect tense and mentions the imagined condition. The main clause (result) takes “would/should have” and mentions the imagined result.

- Accordingly, the past perfect tense “had come” is mentioned in conditional clause. Thus, main clause should be written in “would + have” i.e. “would have enjoyed”.

Note: “Came” is the second form of verb “Come” whereas, “Come” is the third form of verb “Come”.

Thus, “*Would have enjoyed*” becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

If you had come to the match yesterday with us, you would have enjoyed watching it.
Hence, **option D** is the correct answer.

16. D

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

Alike = very similar

E.g.: My brother and I do not look **alike**.

Ordinary = not unusual or different in any way.

Similar = like someone/something but not exactly the same.

Same = exactly the one or ones referred to or mentioned.

Different = not the same as someone/something.

E.g.: American English is significantly **different** from British English.

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

17. A

Sol. **Option A has correctly spelt word.**

“Illegible” is the correct spelling. It means difficult or impossible to read.

18. C

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

Abolish = to officially end a law, a system or an institution.

E.g.: Some say the tax should be **abolished** entirely.

Disprove = to show that something is wrong or false.

Contest = to take part in a competition, election etc. and try to win it.

Continue = to keep existing or happening without stopping.

E.g.: Unions declared that the strike would **continue** indefinitely.

Disclose = to give someone information about something, especially something that was previously secret.

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

19. A

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

- The underlined part needs correction in the structure of indirect speech in interrogative sentence.

- Structure of direct and indirect speech of sentences written in interrogative sentence:

Direct speech: The bank manager officer said to Varun, “**When do you intend** to pay the remaining amount of your loan?”

Indirect speech: The bank manager officer questioned Varun **when he intended** to pay the remaining amount of his loan.

- The given sentence is written in indirect speech, but we have erroneously written the reported speech in interrogative structure i.e. “Helping Verb + Subject + Main verb”. Thus, as per the rules of narration for interrogative sentence, assertive structure should be followed in indirect speech i.e. “Subject + Helping verb + Main verb”.
- Also, in indirect speech, “When” acts like a conjunction. So there is no need to use additional conjunction “that” in the sentence.
- Hence, “**when she would**” is the correct substitution.

Thus, the correct sentence will be:

I asked my friend when she would return from her trip.

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

20. C

Sol. Forego: to decide not to have or do something that you would like to have or do.

Parade: to walk somewhere in a formal group of people, in order to celebrate or protest about something.

Forge: to suddenly and quickly move forward.

Forerun: showing the signs of what is going to happen.

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

21. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Part” means some but not all of a thing. Thus, option A is wrong.

“Step” means one of a series of things that you do in order to achieve something. Thus, option C is wrong.

“Piece” means an amount of something that has been cut or separated from the rest of it.

Thus, option D is wrong.

“Call” as a noun means the act of speaking to someone on the phone. In the given sentence, it is used to mention that it was in 31 July 1995 when the first act of speaking to someone on the mobile phone was done in India.

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

22. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Promotions” means a move to a more important job or rank in a company or an organization.

Thus, option A is wrong.

“Lies” means to be or put yourself in a flat position so that you are not standing or sitting.

Thus, option C is wrong.

“Facts” means a thing that is known to be true, especially when it can be proved. Thus, option D is wrong.

“Changes” as a noun means the act or result of something becoming different. In the given sentence, it is used to mention that in the last twenty-five years, one can see the different usages of mobile phones in India.

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

23. B

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Summed up” means to summarize. Thus, option A is wrong.

“Doubted” means to feel uncertain about something. Thus, option C is wrong.

“Considered” means to think about something carefully, especially in order to make a decision.

Thus, option D is wrong.

“Reported” as a verb means to present a written or spoken account of an event in a newspaper, on television etc. In the given sentence, it is used to present the written account of increase in number of mobile phone users in last 25 years.

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

24. A

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Sell” means to give something to someone in exchange for money. Thus, option B is wrong.

“Use” means to do something with a machine, a method etc. for a particular purpose. Thus, option C is wrong.

“Produce” means to make things to be sold, especially in large quantities. Thus, option D is wrong.

“Afford” as a verb means to have enough money to be able to buy or do something. In the given sentence, it is used to mention that during initial years, very few people have enough money to buy mobile phones and to make calls at expensive rates.

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

25. D

Sol. The given passage is about “**Growth of Telecom sector in India**”.

“Unevenly” means with different amounts for each person or in each place. Thus, option A is wrong.

“Evenly” means in a smooth, regular or equal way. Thus, option B is wrong.

“Occasionally” means sometimes but not often. Thus, option C is wrong.

“Drastically” as an adverb means in an extreme way that has a sudden, serious or violent effect on something. In the given sentence, it is used to mention that call rates have fallen in a sudden way. This is one of the reasons that led to increase in use of mobile phones in India.

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

26. A

Sol. पैटर्न इस प्रकार है:

$$15+15=30$$

$$30+14=44$$

$$44+13=57$$

$$57+12=69$$

$$\mathbf{69+11=80}$$

इसलिए, विकल्प A सही उत्तर है।

27. D

Sol. विषम स्थान अक्षर +5 लिया जाता है।

सम स्थान अक्षर +1 लिया जाता है।

as,

16	5	14	3	9	12
P	E	N	C	I	L
+1	+5	+1	+5	+5	+1
↓	↓	↓	↓	↓	↓
Q	J	O	H	N	M
17	10	15	8	14	13

similarly,

1	12	2	21	13
A	L	B	U	M
+5	+1	+1	+5	+5
↓	↓	↓	↓	↓
F	M	C	Z	R
6	13	3	26	18

इसलिए, विकल्प D सही उत्तर है।

28. A

Sol. विकल्प A की जांच करने पर:

दी गई अभिव्यक्ति है:

$$18 \times 25 + 5 \div 7 \times 11 = 27$$

परस्पर बदलाव के बाद:

$$18 + 25 \div 5 - 7 + 11 = 27$$

$$\text{या, } 18 + 5 - 7 + 11 = 27$$

$$\text{या, } 27=27$$

इसलिए, विकल्प A सही उत्तर है।

29. C

Sol. समृद्धि आकार का सही क्रम (छोट से अधिक तक) है:

1. बाइट

5. किलोबाइट

2. मेगाबाइट

4. गीगाबाइट

3. टेराबाइट

इसलिए, विकल्प C सही उत्तर है।

30. A

Sol. पैटर्न इस प्रकार है:

$$11 \times 2 + 1 = 23$$

$$23 \times 2 + 1 = 47$$

$$47 \times 2 + 1 = 95$$

$$95 \times 2 + 1 = 191$$

इसलिए, विकल्प A सही उत्तर है।

31. D

Sol. जैसाकि,

$$5^3 = 125$$

$$(5+2)^3 = 7^3 = 343$$

इसी प्रकार,

$$11^3 = 1331$$

$$(11+2)^3 = 13^3 = 2197$$

इसलिए, विकल्प D सही उत्तर है।

32. B

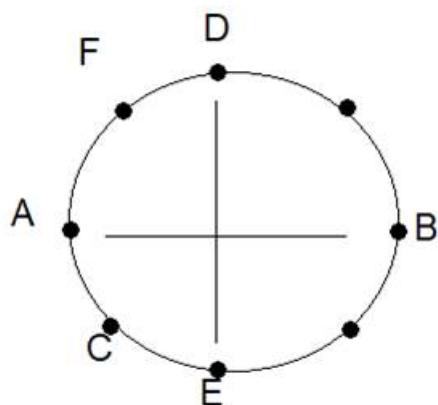
Sol. ॥ E, F की दाईं ओर से तीसरे स्थान पर बैठा है।

॥ B, A के विपरीत बैठा है।

॥ D, E के विपरीत बैठा है जो E की दाईं ओर से दूसरे स्थान पर है।

॥ C, A और E के मध्य में बैठा है।

तो, अंतिम व्यवस्था है:

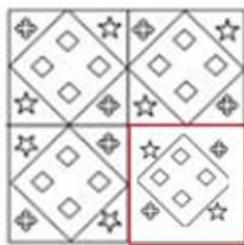


अतः F, C के संदर्भ में बाईं ओर से दूसरे स्थान पर है।

इसलिए, विकल्प B सही उत्तर है।

33. B

Sol. पूर्ण आकृति होगी:



इसलिए, विकल्प B सही उत्तर है।

34. A

Sol. वर्णमाला का दूसरा और 28वां अक्षर केवल B है।

as,

1	14	11	12	5
A	N	K	L	E
*2	*2	*2	*2	*2
B	<u>B</u>	V	X	J

2 2 22 24 10
or 28

similarly,

20	8	9	7	8
T	H	I	G	H
*2	*2	*2	*2	*2
N	P	R	N	P

14 15 18 14 16

इसलिए, विकल्प A सही उत्तर है।

35. D

Sol. जैसाकि,

ADDRESS में 7 अक्षर हैं तथा 2 स्वर हैं,

$$7 + 9 \times 2 = 25$$

BOLT में 4 अक्षर हैं तथा 1 स्वर है,

$$4 + 9 \times 1 = 13$$

इसी प्रकार,

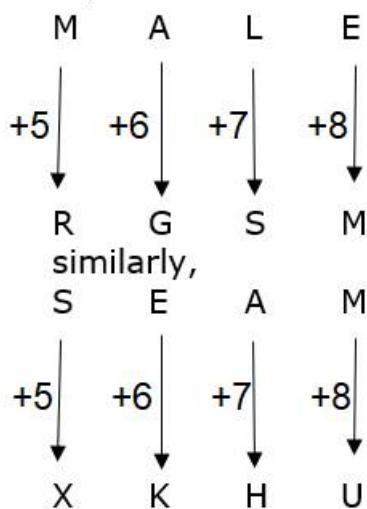
CASTE में 5 अक्षर हैं तथा 2 स्वर हैं,

$$5 + 9 \times 2 = 23$$

इसलिए, विकल्प D सही उत्तर है।

36. C

Sol. as,



इसलिए, विकल्प C सही उत्तर है।

37. B

Sol. दी गई अभिव्यक्ति है:

$$39 + 3 \div 4 - 1 \times 3$$

परस्पर बदलाव के बाद:

$$39 \div 3 \times 4 + 1 - 3$$

$$= 13 \times 4 + 1 - 3$$

$$= 52 + 1 - 3$$

$$= 50$$

इसलिए, विकल्प B सही उत्तर है।

38. A

Sol. घूमने का पैटर्न है:

आकृति 1 से 2: 180° दाईं ओर

आकृति 2 से 3: 90° बाईं ओर

आकृति 3 से 4: 180° दाईं ओर

आकृति 4 से 5: 90° बाईं ओर

तो, अगली आकृति है -



इसलिए, विकल्प A सही उत्तर है।

39. C

Sol. जैसाकि,

$$\text{JOHN} = J(10)O(15)H(8)N(14)$$

$$= J(1+0)O(1+5)H(8)N(1+4)$$

$$= J(1)O(6)H(8)N(5)$$

$$= 1+6+8+5=20$$

अब, $20 \times 3 = 60$

और

$$\text{RANI} = R(18)A(1)N(14)I(9)$$

$$= R(1+8)A(1)N(1+4)I(9)$$

$$= R(9)A(1)N(5)I(9)$$

$$= 9+1+5+9=24$$

अब, $24 \times 3 = 72$

इसी प्रकार,

$$\text{YUVAAAN} = Y(25)U(21)V(22)A(1)A(1)N(14)$$

$$= Y(2+5)U(2+1)V(2+2)A(1)A(1)N(1+4)$$

$$= Y(7)U(3)V(4)A(1)A(1)N(5)$$

$$= 7+3+4+1+1+5$$

$$= 21$$

अब, $21 \times 3 = 63$

इसलिए, विकल्प C सही उत्तर है।

40. D

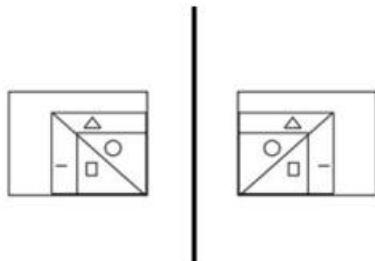
Sol. एक पशु चिकित्सक वह होता है जो सरीसृप और उभयचरों के अध्ययन में विशेषज्ञ होता है। अतः, लोकेश एक पशु चिकित्सक है।

इसलिए, विकल्प D सही उत्तर है।

41. D

Sol. एक समतल दर्पण में, एक दर्पण छवि किसी वस्तु का परावर्तित प्रतिबिम्ब होता है जो लगभग समान दिखाई देती है, लेकिन यह दर्पण की सतह की लंबवत दिशा में उलटी होती है। एक ऑप्टिकल प्रभाव के रूप में यह दर्पण या पानी जैसे पदार्थों के प्रतिबिंब के परिणामस्वरूप उत्पन्न होता है।

Mirror



इसलिए, विकल्प D सही उत्तर है।

42. C

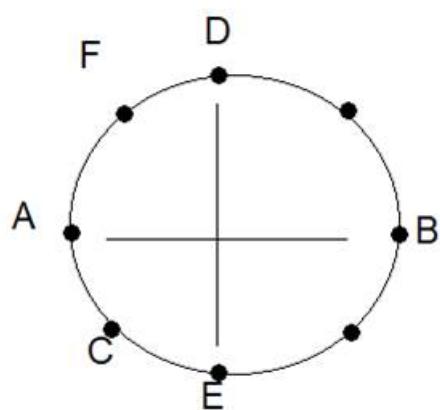
Sol. ॥ E, F की दाईं ओर से तीसरे स्थान पर बैठा है।

॥ B, A के विपरीत बैठा है।

॥ D, E के विपरीत बैठा है, जो E की दाईं ओर से दूसरे स्थान पर है।

॥ C, A और E के मध्य बैठा है।

तो, अंतिम व्यवस्था है:

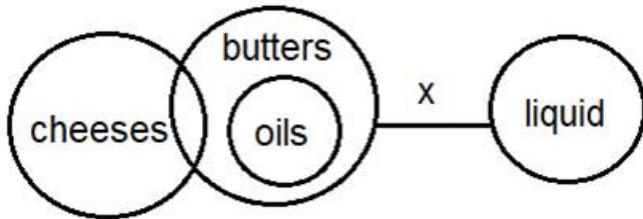


यदि बॉस प्रत्येक भुजा में खाली कुर्सी के आसन्न बैठा है, तो B बॉस है।

इसलिए, विकल्प C सही उत्तर है।

43. A

Sol. न्यूनतम संभावित आरेख है –



निष्कर्षः

- I. कोई ऑयल, लिकिंड नहीं है। (यह अनुसरण करता है क्योंकि सभी ऑयल, बटर हैं तथा कोई बटर, लिकिंड नहीं है।)
 - II. कुछ बटर, चीज़ हैं। (यह अनुसरण करता है क्योंकि कुछ चीज़, बटर हैं।)
 - III. सभी बटर, ऑयल हैं। (यह अनुसरण नहीं करता है क्योंकि यह केवल एक संभावना है, लेकिन सुनिश्चितता नहीं है।)
- अतः, दोनों निष्कर्ष I और II अनुसरण करते हैं।

इसलिए, विकल्प A सही उत्तर है।

44. C

Sol. कॉलम 1:

$$(5-1)*3=4*3=12$$

कॉलम 2:

$$(7-1)*6=6*6=36$$

कॉलम 3:

$$(12-1)*9=11*9=99$$

इसलिए, विकल्प C सही उत्तर है।

45. D

Sol. जैसाकि,

बोतल को कैप से सील कर दिया जाता है।

इसी प्रकार,

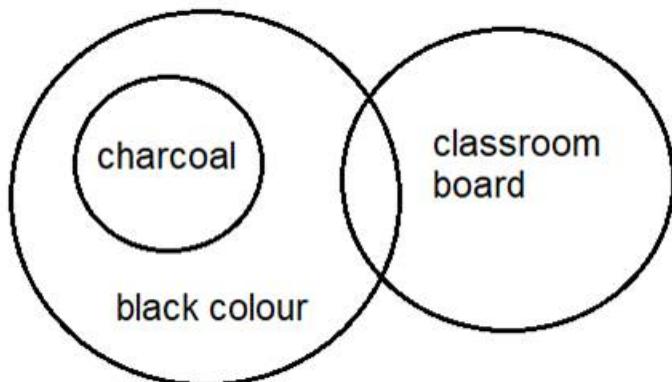
जार को लीड से सील कर दिया जाता है।

इसलिए, विकल्प D सही उत्तर है।

46. D

Sol. चारकोल काले रंग का होता है और क्लासरूम बोर्ड काले रंग का हो सकता है।

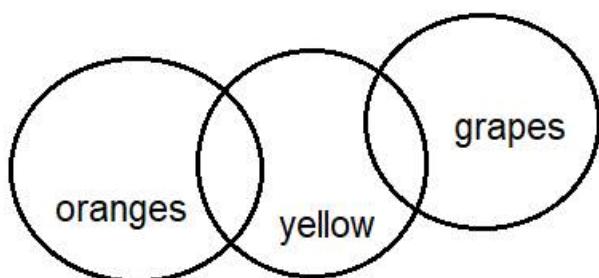
तो, सबसे अच्छा प्रतिनिधित्व है:



इसलिए, विकल्प D सही उत्तर है।

47. A

Sol. न्यूनतम संभावित आरेख है -



निष्कर्षः

I. कुछ ऑरेंज, ग्रेप्स हैं। (यह अनुसरण नहीं करता है क्योंकि यह केवल एक संभावना है, लेकिन सुनिश्चितता नहीं है।)

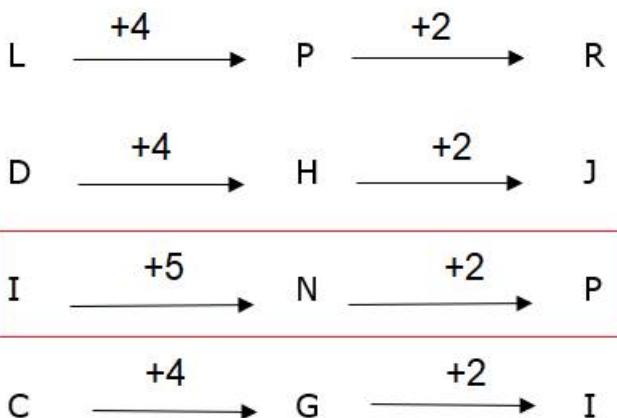
II. सभी ग्रेप्स, येलो हैं। (यह अनुसरण नहीं करता है क्योंकि यह केवल एक संभावना है, लेकिन सुनिश्चितता नहीं है।)

अतः, न तो निष्कर्ष | न ही || अनुसरण करता है।

इसलिए, विकल्प A सही उत्तर है।

48. C

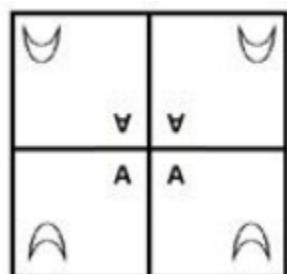
Sol.



इसलिए, विकल्प C सही उत्तर है।

49. D

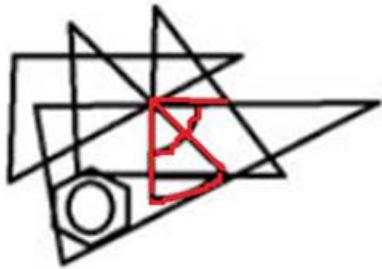
Sol. जैसा कि आकृति में दिया गया है, हमें इसे बिंदीदार रेखा पर मोड़ना होगा और इसे खोले जाने पर विकल्प D दिखाई देगा।



इसलिए, विकल्प D सही उत्तर है।

50. A

Sol. प्रश्न और उत्तरों में दी गई आकृतियों को ध्यान से देखने के बाद, यह बहुत स्पष्ट है कि दी गई प्रश्न आकृति उत्तर आकृति A में अंतर्निहित है। इसे नीचे दिए अनुसार दिखाया गया है:



इसलिए, विकल्प A सही उत्तर है।

51. C

Sol. क्रिकेट पर व्यय = 85°

टेनिस पर व्यय = 77°

कुल व्यय = 360°

$$\text{अभीष्ट प्रतिशत} = \frac{(85^\circ + 77^\circ)}{360^\circ} \times 100 = \frac{162^\circ}{360^\circ} \times 100 = 45\%$$

अतः विकल्प C सही उत्तर है।

52. C

Sol. माना 2015 में कुल व्यय $360x$ रुपये है।

$$\text{तो, } 2015 \text{ में क्रिकेट पर व्यय} = (360x) \times \frac{85^\circ}{360^\circ} = 85x \text{ रुपये}$$

$$\text{और } 2015 \text{ में अन्य खेलों पर व्यय} = (360x) \times \frac{59^\circ}{360^\circ} = 59x \text{ रुपये}$$

$$\text{अब } 2014 \text{ में क्रिकेट पर व्यय} = \frac{(85x)}{150} \times 100 = 170x/3 \text{ रुपये}$$

$$\text{और } 2014 \text{ में अन्य खेलों पर व्यय} = \frac{(59x)}{125} \times 100 = 236x/5 \text{ रुपये}$$

अब, आवश्यक अनुपात

$$\frac{170x}{3} : \frac{236x}{5}$$

425 : 354

अतः विकल्प C सही उत्तर है।

53. B

Sol. हॉकी पर व्यय और बास्केटबॉल पर व्यय के बीच अंतर

$$= 5,20,00,000 \times \frac{(74^\circ - 65^\circ)}{360^\circ} = 13,00,000 \text{ रुपये}$$

अतः विकल्प B सही उत्तर है।

54. D

Sol. दिया गया है:

12 छात्रों के समूह की औसत ऊंचाई = 170 सेमी

समूह की कुल ऊंचाई = $170 \times 12 = 2040$ सेमी

नई, शेष छात्रों की कुल ऊंचाई = $2040 - 154 - 157 - 165 - 172 = 1392$ सेमी

शेष छात्रों की संख्या = $12 - 4 = 8$

समूह की नई, औसत ऊंचाई = $\frac{1392}{8} = 174$ सेमी

अतः विकल्प D सही उत्तर है।

55. C

Sol. माना वस्तु का विक्रय मूल्य x रुपये है।

फिर, क्रय मूल्य = $(x) - (x) \times 25\% = x - 0.25x = 0.75x$ रुपये

लाभ प्रतिशत = $\frac{(x - 0.75x)}{(0.75x)} \times 100 = \left(\frac{0.25x}{0.75x}\right) \times 100 = 33.33\%$

अतः विकल्प C सही उत्तर है।

56. A

Sol. दिया गया है:

A की गति = 8 किमी/घंटा और B की गति = 12 किमी/घंटा

A और B की गति का अनुपात

8 : 12

2 : 3

अब, A और B द्वारा लिए गए समय का अनुपात (गति के अनुपात के व्युत्क्रम)

3: 2

$$\text{इसलिए, } A \text{ द्वारा लिया गया समय} = \frac{30}{(3-2)} \times 3 = \frac{30}{1} \times 3 = 90 \text{ मिनट}$$

$$\text{इसलिए, उनमें से प्रत्येक द्वारा तय की गई दूरी} = 8 \times \frac{90}{60} = 12 \text{ किमी}$$

अतः विकल्प A सही उत्तर है।

57. D

Sol. माना कुल कार्य $60x$ इकाई है।

तो, A और B की एक साथ दक्षता $= 60x/15 = 4x$ इकाई/दिन,

B और C की एक साथ दक्षता $= 60x/12 = 5x$ इकाई/दिन

और A और C की एक साथ दक्षता $= 60x/10 = 6x$ इकाई/दिन

अब, A, B और C की एक साथ दक्षता

$$= \frac{4x + 5x + 6x}{2} = \frac{15x}{2} = 7.5x \text{ इकाई/दिन}$$

और अकेले A की दक्षता $= 7.5x - 5x = 2.5x$ इकाई/दिन

अब, A, B और C द्वारा मिलकर 5 दिनों में किया गया कार्य $= (7.5x) \times 5 = 37.5x$ इकाई

बचा हुआ कार्य $= 60x - 37.5x = 22.5x$

शेष कार्य को पूरा करने में A द्वारा लिया गया समय

$= \text{शेष कार्य/दक्षता} = 22.5x/2.5x = 9$ दिन

अतः विकल्प D सही उत्तर है।

58. B

Sol. माना तीसरी संख्या $100x$ है।

$$\text{तो, पहली संख्या} = (100x) + (100x) \times 32\% = 100x + 32x = 132x$$

$$\text{और दूसरी संख्या} = (100x) + (100x) \times 48\% = 100x + 48x = 148x$$

$$\text{अभीष्ट प्रतिशत} = \left(\frac{148x}{132x} \right) \times 100 = 112.12\%$$

अतः विकल्प B सही उत्तर है।

59. D

Sol. माना हवाई जहाज की सामान्य गति x किमी/घंटा है।

$$\text{तो, बढ़ी हुई गति} = (x) + (x) \times 40\% = x + 0.4x = 1.4x \text{ किमी/घंटा}$$

अब, प्रश्नानुसार,

$$\frac{2100}{x} - \frac{2100}{1.4x} = \frac{45}{60}$$

$$\Rightarrow \frac{2100}{x} - \frac{1500}{x} = \frac{3}{4}$$

$$\Rightarrow \frac{2100 - 1500}{x} = \frac{3}{4}$$

$$\Rightarrow \frac{600}{x} = \frac{3}{4}$$

$$\Rightarrow 3x = 2400$$

$$\Rightarrow x = 2400/3 = 800$$

$$\text{इसलिए बढ़ी हुई गति} = 1.4 \times 800 = 1120 \text{ किमी/घंटा}$$

अतः विकल्प D सही उत्तर है।

60. B

Sol. दिया गया है:

निवेश की गई राशि का अनुपात = 6:9:11

अन्य दो मित्रों द्वारा प्राप्त राशि का योग

$$= \frac{2310}{11} \times (6 + 9) = 210 \times 15 = 3150 \text{ रुपये}$$

अतः विकल्प B सही उत्तर है।

61. B

Sol. माना टंकी की क्षमता $40x$ इकाई है।

$$\text{तो, एक पाइप की दक्षता} = \frac{(40x)}{8 \times 1 \frac{40}{60}} = \frac{(40x)}{8 \times 1 \frac{2}{3}} = \frac{(40x) \times 3}{8 \times 5} = 3x \text{ इकाई/घंटा}$$

अब, 10 पाइपों की संयुक्त दक्षता = $(3x) \times 10 = 30x$ इकाई/घंटा

टैंक को 10 पाइप से भरने में लगा समय = $40 x / 30 x = 1.33$ घंटे

या 1 घंटा 20 मिनट

अतः विकल्प B सही उत्तर है।

62. B

Sol. 8 का $15 - 6 + [(27 - 3) \div 6 - 4]$

$$= 8 \text{ का } 15 - 6 + [24 \div 6 - 4]$$

$$= 8 \text{ का } 15 - 6 + [4 - 4]$$

$$= 120 - 6 + 0$$

$$= 114$$

अतः विकल्प B सही उत्तर है।

63. D

Sol. दिया गया है:

संख्याएँ:

8.9, 6.5, 7.8, 12.3, 15.6, 14.4, 9.8

माध्य = संख्याओं का योग / संख्याओं की संख्या

$$= \frac{8.9 + 6.5 + 7.8 + 12.3 + 15.6 + 14.4 + 9.8}{7}$$

$$= \frac{75.3}{7}$$

$$= 10.76$$

अतः विकल्प D सही उत्तर है।

64. D

Sol. 3.6 का $\left[\frac{5}{8} - \left\{ \frac{5}{8} - \left(\frac{5}{8} - \frac{3}{8} \right) \right\} \right] - 0.8 \div 10$

$$= 3.6 \text{ का } \left[\frac{5}{8} - \left\{ \frac{5}{8} - \left(\frac{5}{8} - \frac{3}{8} \right) \right\} \right] - 0.8 \div 10$$

$$= 3.6 \text{ का } \left[\frac{5}{8} - \left\{ \frac{5}{8} - \frac{2}{8} \right\} \right] - 0.8 \div 10$$

$$= 3.6 \text{ का } \left[\frac{5}{8} - \frac{3}{8} \right] - 0.8 \div 10$$

$$= 3.6 \text{ का } \frac{2}{8} - 0.8 \div 10$$

$$= 0.9 - 0.08$$

$$= 0.82$$

अतः विकल्प D सही उत्तर है।

65. D

Sol. दिया गया है:

टैंक का आयाम = 15 मीटर लंबा, 12 मीटर चौड़ा और 5 मीटर गहरा

अब, दीवारों का क्षेत्रफल = $2(l + b) \times h = 2(15 + 12) \times 5 = 2 \times 27 \times 5$

$$= 270 \text{ मीटर}^2$$

और आधार का क्षेत्रफल = $l \times b = 15 \times 12 = 180 \text{ मीटर}^2$

आवश्यक स्टील का कुल क्षेत्रफल = $270 + 180 = 450 \text{ मीटर}^2$

आवश्यक स्टील की लंबाई = $450/1.5 = 300 \text{ मीटर}$

अतः विकल्प D सही उत्तर है।

66. B

Sol. माना P द्वारा मोबाइल के लिए भुगतान किया गया मूल्य x रुपये है।

तो, Q द्वारा भुगतान किया गया मूल्य = $(x) + (x) \times 25\% = x + 0.25x = 1.25x$ रुपये

और R द्वारा भुगतान की गई राशि = 3240 रुपये (दिया गया है)

$$\Rightarrow (1.25x) - (1.25x) \times 10\% = 3240$$

$$\Rightarrow 1.25x - 0.125x = 3240$$

$$\Rightarrow 1.125x = 3240$$

$$\Rightarrow x = 3240/1.125 = 2880$$

इसलिए, P ने फोन के लिए 2880 रुपये का भुगतान किया।

अतः विकल्प B सही उत्तर है।

67. B

Sol. तीन कक्षाओं में छातरों की संख्या के अंतिम अनुपात की गणना:

First : Second	:	Third
4 :	9	$\times 2$
	6	\vdots 11×3
8 :	18	\vdots 33

$$\text{अनुपातों का योग} = 8 + 18 + 33 = 59$$

अब, कक्षा में छात्रों की संख्या जिसमें छात्रों की अधिकतम संख्या है = $885 \times \frac{33}{59} = 495$

अतः विकल्प B सही उत्तर है।

68. C

Sol. दिया गया है:

$$\text{वस्तु का क्रय मूल्य} = 4320 \text{ रुपये}$$

चूंकि लाभ 25% है, इसलिए विक्रय मूल्य = लागत मूल्य + लाभ

$$= 4320 + 4320 \times 25\% = 4320 + 1080 = 5400 \text{ रुपये}$$

अब, अंकित मूल्य = विक्रय मूल्य / 100 - छूट * 100

$$= \frac{5400}{(100 - 40)} \times 100 = \frac{5400}{60} \times 100 = 9000 \text{ रुपये}$$

अतः विकल्प C सही उत्तर है।

69. D

Sol. माना B की दक्षता \times इकाई/दिन है।

$$\text{तो, A की दक्षता} = 1.5 \times (x) = 1.5x \text{ इकाई/दिन}$$

$$\text{A और B की संयुक्त दक्षता} = 1.5x + x = 2.5x \text{ इकाई/दिन}$$

$$\text{इसलिए, कुल कार्य} = 12 \times (2.5x) = 30x \text{ इकाई}$$

अब, कार्य को पूरा करने में A द्वारा लिया गया समय = $30x/1.5x = 20$ दिन

अतः विकल्प D सही उत्तर है।

70. B

Sol. दिया गया है:

$$\text{ब्याज दर} = 5\%$$

मान लीजिए राशि x रुपये है और वर्षों की संख्या y है।

तो, उस राशि पर ब्याज = $\frac{3}{8}x$

$$\Rightarrow \frac{(x) \times 5 \times (y)}{100} = \frac{3x}{8}$$

$$\Rightarrow 40y = 300$$

$$\Rightarrow y = 300/40 = 7.5 \text{ वर्ष}$$

अर्थात् 7 वर्ष 6 महीने

अतः विकल्प B सही उत्तर है।

71. B

Sol. $\frac{18}{5}, \frac{6}{5}$ और $\frac{18}{125}$ का ल.स.

$$= \frac{\text{LCM of } 18, 6, 18}{\text{HCF of } 5, 5, 125} = \frac{18}{5}$$

$$= 3.6$$

अतः विकल्प B सही उत्तर है।

72. D

Sol. दिया गया है:

75 अंकों का औसत = 45

पहले 50 अंकों का औसत = 42

पिछले 26 अंकों का औसत = 52

अब, सभी 75 अंकों का योग = $75 \times 45 = 3375$

पहले 50 अंकों का योग = $50 \times 42 = 2100$

और पिछले 26 अंकों का योग = $26 \times 52 = 1352$

इसलिए, 50वां अंक = पहले 50 अंकों का योग + अंतिम 26 अंकों का योग - सभी 75 अंकों का योग = $2100 + 1352 - 3375 = 77$

अतः विकल्प D सही उत्तर है।

73. A

Sol. आवश्यक ईंटों की संख्या = $\frac{\text{Volume of wall}}{\text{Volume of a brick}} = \frac{1200 \times 900 \times 30}{24 \times 18 \times 15}$
 $= 50 \times 50 \times 2 = 5000$

अतः विकल्प A सही उत्तर है।

74. C

Sol. दिया गया है:

बाह्य परिधि = 748 मीटर

$$\Rightarrow 2\pi r_o = 748$$

$$\Rightarrow r_o = \frac{748}{2\pi}$$

$$\Rightarrow r_o = \frac{748 \times 7}{2 \times 22}$$

$$\Rightarrow r_o = 119$$

अन्तः परिधि = 396 मीटर

$$\Rightarrow 2\pi r_i = 396$$

$$\Rightarrow r_i = \frac{396}{2\pi}$$

$$\Rightarrow r_i = \frac{396 \times 7}{2 \times 22}$$

$$\Rightarrow r_i = 63$$

अब, रेसकोर्स की चौड़ाई = $r_o - r_i = 119 - 63 = 56$ मीटर

अतः विकल्प C सही उत्तर है।

75. A

Sol. दिया गया है:

एक पुरानी कार का वर्तमान मूल्य = 540000 रुपये

मूल्यह्रास दर = 25% प्रति वर्ष

$$\text{अब, मान एक वर्ष पहले} = \frac{540000}{(100 - 25)} \times 100 = \frac{540000}{75} \times 100$$

= 720000 रुपये

$$\text{मूल्य, दो वर्ष पहले} = \frac{720000}{(100 - 25)} \times 100 = \frac{720000}{75} \times 100$$

= 960000 रुपये

अतः विकल्प A सही उत्तर है।

76. C

Sol. • राष्ट्रीय अनुसूचित जनजाति आयोग (एनसीएसटी) की स्थापना **19 फरवरी 2004** को हुई थी।

• इसकी स्थापना संविधान के 89वें संशोधन अधिनियम, 2003 के माध्यम से की गई थी।

• आयोग का गठन भारतीय संविधान के अनुच्छेद 338A के तहत किया गया है।

• कुंवर सिंह आयोग के पहले अध्यक्ष थे।

• आयोग के वर्तमान अध्यक्ष **हर्ष चौहान** हैं।

77. C

Sol. • दरुकपा त्वची उत्सव भगवान बुद्ध से जुड़ा है।

• यह त्योहार भगवान बुद्ध द्वारा अपने पहले पांच शिष्यों को सारनाथ में चार आर्य सत्यों का पहला उपदेश देने के उपलक्ष्य में मनाया जाता है।

• यह त्योहार तिब्बती चंद्र कैलेंडर के छठे महीने के चौथे दिन आयोजित किया जाता है।

• यह सिक्खिम के हिंदू नेपाली समुदाय का मुख्य त्योहार है जो आमतौर पर अक्टूबर के महीने में मनाया जाता है।

78. C

Sol. • गोदावरी गंगा के बाद भारत की दूसरी सबसे लंबी नदी है।

- इसका उद्गम त्रयंबकेश्वर, नासिक, महाराष्ट्र में होता है।

- गोदावरी नदी की प्रमुख सहायक नदियाँ प्रवर, पूर्णा, मंजरा, पेंगंगा, वर्धा, वैनगंगा प्राणहिता (वैनगंगा, पेंगंगा, वर्धा का संयुक्त प्रवाह), इंद्रावती, मनेर और साबरी हैं।

79. A

Sol. ● भारतीय रिजर्व बैंक ने अप्रैल 1947 तक बर्मा (म्यांमार) के लिए केंद्रीय बैंक के रूप में भी काम किया।

- 1937 में बर्मा (म्यांमार) भारतीय संघ से अलग हो गया, लेकिन रिजर्व बैंक बर्मा के जापानी कब्जे तक और बाद में अप्रैल, 1947 तक बर्मा के लिए केंद्रीय बैंक के रूप में कार्य करता रहा।

- भारत के विभाजन के बाद, रिजर्व बैंक ने जून 1948 तक पाकिस्तान के केंद्रीय बैंक के रूप में कार्य किया, जब स्टेट बैंक ऑफ पाकिस्तान ने परिचालन शुरू किया।

- भारतीय रिजर्व बैंक (RBI) की स्थापना 1 अप्रैल 1935 को हुई थी।

- इसका मुख्यालय मुंबई, महाराष्ट्र में है।

- वर्तमान में, शक्तिकांत दास भारतीय रिजर्व बैंक (RBI) के 25 वें गवर्नर के रूप में कार्यरत हैं।

80. A

Sol. ● सोपारा का प्राचीन बंदरगाह महाराष्ट्र के ठाणे में स्थित है।

- इसका उल्लेख महाभारत में अपरांत क्षेत्र के महत्वपूर्ण स्थानों में से एक के रूप में मिलता है।

- सोपारा पश्चिमी भारत का एकमात्र बंदरगाह है जहाँ अशोक का एक शिलालेख मिला है।

- उद्घव ठाकरे महाराष्ट्र के वर्तमान मुख्यमंत्री हैं।

- भगत सिंह कोश्यारी महाराष्ट्र के वर्तमान राज्यपाल हैं।

81. C

Sol. ● भारत की 2011 की जनगणना के अनुसार, 17.70% की दशकीय वृद्धि के साथ भारतीय जनसंख्या बढ़कर 1.21 अरब हो गई।

- 2011 की जनगणना के अनुसार, केरल देश में 93.91% साक्षरता दर के साथ सबसे अधिक साक्षर राज्य है।

- 63.82% साक्षरता दर के साथ बिहार सबसे कम साक्षर राज्य है।

- 2011 की जनगणना भारत की 15वीं राष्ट्रीय जनगणना थी।

82. A

Sol. • आईएम विजयन एक पूर्व पेशेवर भारतीय फुटबॉल खिलाड़ी हैं।

- उन्हें 2020 में पद्म श्री पुरस्कार के लिए नामांकित किया गया था।
- उन्हें 2003 में अर्जुन पुरस्कार से सम्मानित किया गया था।
- उन्हें 1993, 1997 और 1999 में इंडियन प्लेयर ऑफ द ईयर का ताज पहनाया गया था।

83. B

Sol. • नारी शक्ति (महिला सशक्तिकरण) को ऑक्सफोर्ड डिक्षनरी द्वारा वर्ष 2018 के हिंदी शब्द के रूप में चुना गया था।

- "नारी शक्ति" शब्द संस्कृत से लिया गया है, 'नारी' शब्द का अर्थ है महिला और 'शक्ति' का अर्थ है पॉवर।
- 2017 में ऑक्सफोर्ड डिक्षनरी ने 'आधार' को वर्ड ऑफ द ईयर चुना था।
- ऑक्सफोर्ड हिंदी वर्ड ऑफ द ईयर 2019 "संविधान" (कांस्टीट्युशन) था।

84. A

Sol. • टिम ब्रूक-टेलर एक अंग्रेजी अभिनेता और हास्य अभिनेता थे।

- उन्हें 1970 के दशक के कॉमेडी शो, आई एम सॉरी, आई विल रीड डैट अगेन में उनके अभिनय कार्य के लिए जाना जाता है।
- 12 अप्रैल 2020 को COVID-19 से जटिलताओं के कारण उनकी मृत्यु हो गई।

85. B

Sol. • भारतीय संविधान का अनुच्छेद 39 राज्य को नागरिकों के जीवनयापन के पर्याप्त साधनों का अधिकार सुनिश्चित करने का निर्देश देता है।

- अनुच्छेद 29 अल्पसंख्यकों के हितों के संरक्षण से संबंधित है।
- अनुच्छेद 27 एक धर्म के प्रचार के लिए कराधान से मुक्ति से संबंधित है। यह निर्धारित करता है कि किसी भी व्यक्ति को किसी विशेष धर्म के प्रचार या रखरखाव के लिए किसी भी कर का भुगतान करने के लिए बाध्य नहीं किया जाएगा।
- भारतीय संविधान का अनुच्छेद 33 मौलिक अधिकारों के प्रवर्तन की सीमाओं से संबंधित है।

86. C

Sol. • उर्जित पटेल को जून 2020 में नेशनल इंस्टीट्यूट ऑफ पब्लिक फाइनेंस एंड पॉलिसी (NIPFP) के अध्यक्ष के रूप में नियुक्त किया गया था।

- उन्होंने 19 जून, 2020 को पदभार ग्रहण किया।
- उन्होंने भारतीय रिजर्व बैंक के 24वें गवर्नर के रूप में भी कार्य किया।

- राष्ट्रीय सार्वजनिक वित्त और नीति संस्थान (एनआईपीएफपी) भारत के वित्त मंत्रालय के तहत एक स्वायत्त अनुसंधान संस्थान है।
- इसका मुख्यालय नई दिल्ली में है।

87. A

Sol. • सी. राजगोपालाचारी ने वर्ष 1930 में वेदारण्यम में नमक कानून तोड़ा।

- सी. राजगोपालाचारी ने 13 अप्रैल को तिरुचि से अपना मार्च शुरू किया और 28 अप्रैल, 1930 को वेदारण्यम पहुंचे।
- चक्रवर्ती राजगोपालाचारी भारत के अंतिम गवर्नर-जनरल (पहले भारतीय मूल के गवर्नर-जनरल) थे।
- वेदारण्यम भारत के तमिल नाडु राज्य के नागपट्टिनम ज़िले में स्थित एक नगर है।

88. D

Sol. • अटल मिशन फॉर रिजुवेशन एंड अर्बन ट्रांसफॉर्मेशन (AMRUT) जून 2015 में प्रधान मंत्री नरेंद्र मोदी द्वारा शुरू किया गया था।

- इसे पहले जवाहरलाल नेहरू राष्ट्रीय शहरी नवीकरण मिशन के रूप में जाना जाता था।
- अमृत के अंतर्गत राज्य वार्षिक कार्य योजना प्रस्तुत करने वाला राजस्थान देश का पहला राज्य था।
- अमृत मिशन का उद्देश्य देश के सभी शहरों में पानी की आपूर्ति, स्वच्छता और सीवेज कनेक्शन प्रदान करना है।

89. D

Sol. • क्वाशियोरकोर तीव्र कुपोषण का एक रूप है जो प्रोटीन की कमी के कारण होता है।

- यह बच्चों में सबसे आम बीमारी है।
- 1950 के दशक में, इस बीमारी को विश्व स्वास्थ्य संगठन द्वारा एक सार्वजनिक स्वास्थ्य संकट के रूप में मान्यता दी गई थी।

90. C

Sol. • हैवलॉक द्वीप (स्वराज द्वीप) रिची के द्वीपसमूह के सबसे बड़े द्वीपों में से एक है।

- यह अंडमान और निकोबार द्वीप समूह में स्थित है।
- अंडमान और निकोबार द्वीप समूह भारत का एक केंद्र शासित प्रदेश है।
- पोर्ट ब्लेयर अंडमान और निकोबार द्वीप समूह की राजधानी है।

91. D

Sol. • 1800 से 1500 ईसा पूर्व की 30 ऋग्वेद पांडुलिपियों को 2007 में यूनेस्को की मेमोरी ऑफ द वर्ल्ड रजिस्टर में शामिल किया गया था।

- यूनेस्को की विश्व रजिस्टर की स्मृति असाधारण मूल्य की दस्तावेजी विरासत का एक संग्रह है।

- ऋग्वेद चारों वेदों में सबसे प्राचीन है।
- चार वेद हैं: ऋग्वेद, यजुर्वेद, सामवेद और अथर्ववेद।
- संयुक्त राष्ट्र शैक्षिक, वैज्ञानिक और सांस्कृतिक संगठन (यूनेस्को) की स्थापना 16 नवंबर, 1945 को हुई थी।
- इसका मुख्यालय पेरिस, फ्रांस में है।

92. D

Sol. ● बीसीजी (बैसिल कैलमेट-गुएरिन) तपेदिक (टीबी) रोग के लिए एक टीका है।

- इसका नाम इसके आविष्कारकों अल्बर्ट कैलमेट और केमिली गुएरिन के नाम पर रखा गया है।
- वैक्सीन को 1908 से 1921 तक 13 वर्षों की अवधि में विकसित किया गया था।
- बीसीजी वैक्सीन तपेदिक (टीबी) के खिलाफ प्रतिरक्षा या सुरक्षा प्रदान करता है।

93. D

Sol. ● ऑक्सीजन एक उत्कृष्ट गैस नहीं है।

- नोबल गैसें समान गुणों वाले रासायनिक तत्वों का एक समूह हैं।
- उन्हें सामान्यतः ग्रुप 18 कहा जाता है।
- प्राकृतिक रूप से पाई जाने वाली छह उत्कृष्ट गैसें हीलियम (He), नियॉन (Ne), आर्गन (Ar), क्रिप्टन (Kr), क्सीनन (Xe), और रेडियोधर्मी रेडॉन (Rn) हैं।

94. C

Sol. ● निकी पूनाचा एक पेशेवर भारतीय टेनिस खिलाड़ी हैं।

- उन्होंने डेविस कप और दक्षिण एशियाई खेलों में भारत का प्रतिनिधित्व किया है।
- अखिल भारतीय टेनिस संघ (एआईटीए) भारत में टेनिस की शासी निकाय है।
- इसकी स्थापना 1920 में हुई थी।

95. C

Sol. ● इंडिया विन्स फरीडम लाला लाजपत राय की कोई लेखन कृति नहीं है।

- इसे अबुल कलाम आजाद ने लिखा था।

- लाला लाजपत राय को पंजाब केसरी के नाम से जाना जाता था।
- वह लाल बाल पाल (लाला लाजपत राय, बाल गंगाधर तिलक और बिपिन चंद्र पाल) के तीन सदस्यों में से एक थे।

96. C

Sol. • सायनोकोबालामिन (cyanocobalamin) **विटामिन B12** का मानव निर्मित रूप है।

- मस्तिष्क, तंत्रिकाओं और रक्त कोशिकाओं सहित शरीर के कई हिस्सों के कार्य और विकास के लिए विटामिन B12 की आवश्यकता होती है।
- यह मांस, मछली और डेयरी जैसे खाद्य पदार्थों में पाया जाता है।

97. B

Sol. • नीति आयोग (नेशनल इंस्टीट्यूशन फॉर ट्रांसफॉर्मिंग इंडिया) भारत सरकार का सर्वोच्च सार्वजनिक नीति थिंक टैंक है।

- इसकी स्थापना 2015 में (योजना आयोग के स्थान पर) की गई थी।
- नीति आयोग परिषद में सभी राज्यों के मुख्यमंत्री, दिल्ली और पुण्यचेरी के मुख्यमंत्री, सभी केंद्र शासित प्रदेशों के उपराज्यपाल और प्रधान मंत्री द्वारा नामित एक उपाध्यक्ष शामिल हैं।
- भारत के प्रधान मंत्री नीति आयोग के अध्यक्ष के रूप में कार्य करते हैं। वर्तमान में नरेंद्र मोदी नीति आयोग के अध्यक्ष हैं।
- राजीव कुमार नीति आयोग के वर्तमान उपाध्यक्ष हैं।

98. D

Sol. • एचवीजे (एचवीजे गैस पाइपलाइन) **हजीरा-विजयपुर-जगदीशपुर** का संक्षिप्त नाम है।

- यह पाइपलाइन गुजरात के हजीरा से विजयपुर, मध्य प्रदेश से होते हुए जगदीशपुर, उत्तर प्रदेश तक जाती है।
- यह भारत की पहली क्रॉस स्टेट गैस पाइपलाइन है।
- परियोजना की शुरुआत **1986** में हुई थी।

99. D

Sol. • ऐसा कहा जाता है कि **गुरु अर्जुन देव** (सिखों के पांचवें गुरु) ने विद्रोही राजकुमार खुसरो की धन और आशीर्वाद से सहायता की थी।

- उन्हें मुगल सम्राट जहांगीर के आदेश के तहत गिरफ्तार किया गया था और 1606 सीई में उन्हें मार डाला गया था।
- उन्हें आदि ग्रंथ के संकलन का श्रेय दिया जाता है।
- उन्होंने अमृतसर का निर्माण पूरा किया और तरण और करतारपुर शहरों की स्थापना की।

100. C

Sol. • कार्नोटाइट यूरेनियम का एक अयस्क है।

- यह एक पोटेशियम यूरेनियम वैनाडेट रेडियोधर्मी खनिज है।
- यह एक चमकीला हरा-पीला खनिज है।
- यह आमतौर पर बलुआ पत्थरों में क्रस्ट और फ्लेक्स के रूप में होता है।
- कार्नोटाइट कांगो (किंशासा), मोरक्को, ऑस्ट्रेलिया (रेडियम हिल) और कजाकिस्तान में पाया जाता है।
- खनिज का वर्णन पहली बार 1899 में फ्रांसीसी वैज्ञानिकों एम एम सी फरीडेल और ई कर्मेंज द्वारा किया गया था।