



SSC MTS 2020 Tier I : 22

October S3

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

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

ENTHRALL

- | | |
|----------|------------|
| A. eject | B. enchant |
| C. repel | D. incite |

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

He said he had been playing tennis since he was eight.

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

He met _____ an accident a few years ago.

- A. along
 - B. across
 - C. with
 - D. from

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

I went to the market buying few vegetables and milk.

- A. to buy few
 - B. No substitution required
 - C. buying some
 - D. to buy some

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

ISOLATE

- 6. Select the INCORRECTLY spelt word.**

- A. Massive
 - B. Temperature
 - C. Premium
 - D. Gloomy

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

CHERISH

- | | |
|---------------|--------------|
| A. distribute | B. disperse |
| C. disturb | D. disregard |

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

The pilgrims were fined them one thousand rupees each for littering around the shrine.

- | | |
|-----------------------------|--------------------|
| A. No substitution required | B. have fined them |
| C. was fined with | D. were fined |

9. Select the INCORRECTLY spelt word.

- | | |
|--------------|-------------|
| A. Hypocrisy | B. Gaeity |
| C. Probable | D. Relevant |

10. Select the most appropriate one-word substitution for the given group of words.

An additional remark at the end of a letter after the signature

- | | |
|---------------|-----------------|
| A. Postscript | B. Abbreviation |
| C. Attachment | D. Salutation |

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

I will teach you _____ you promise to work hard.

- | | |
|--------|---------|
| A. and | B. so |
| C. if | D. Only |

12. 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'.

Why are you stood here at this late hour?

- | | |
|-------------|-----------------------------|
| A. standing | B. stands |
| C. stand | D. No substitution required |

13. Select the most appropriate one-word substitution for the given group of words.

A person who speaks two languages

- A. Bilateral
- B. Bilingual
- C. Multilingual
- D. Monolingual

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

Those who _____ of their riches aren't truly rich.

- A. announce
- B. claim
- C. boast
- D. pretend

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

NAB

- A. catch
- B. grab
- C. free
- D. arrest

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

Lean and mean

- A. Fat and lazy
- B. Evil and selfish
- C. Thin and weak
- D. Ready and efficient

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

They _____ a separate cabin to each employee.

- A. allotted
- B. owned
- C. appointed
- D. asserted

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

The little baby cried loudly to a new toy.

- A. cried loudly
- B. to a
- C. new toy
- D. The little baby

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

Don't you think this bag is too big to carried?

- A. to carried
- B. Don't you think
- C. too big
- D. this bag is

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

Keep in check

- A. To keep something safe
- B. To place an order
- C. To control something
- D. To test something

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.

Do you know that you (1) _____ about one-third of your life sleeping? However, your body doesn't (2) _____ the sleeping time. It has a lot to do (3) _____ you are sleeping. The body produces energy at night (4) _____ you have plenty of energy the next morning. Hormones, which are (5) _____ growth chemicals, help the body to repair itself and grow.

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

- A. apply
- B. delay
- C. spend
- D. settle

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

- A. consume
- B. remove
- C. dispose
- D. waste

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

- A. where
- B. why
- C. when
- D. what

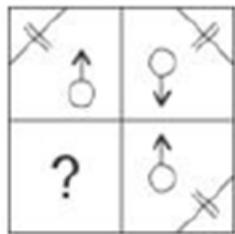
24. Select the most appropriate option to fill in blank no. 4

- A. because
- B. so that
- C. such as
- D. although

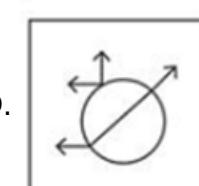
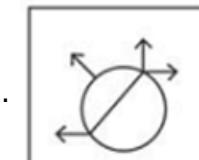
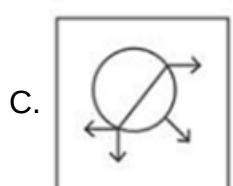
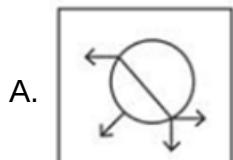
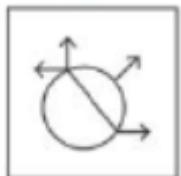
25. Select the most appropriate option to fill in blank no. 5

- A. memorable
- B. special
- C. occasional
- D. restricted

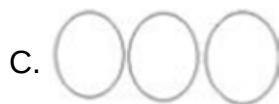
26. Complete the missing portion of the given pattern by selecting from options.



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



28. Which of the following Venn diagrams depicts the exact relationship between a polygon, a triangle and a rhombus?



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



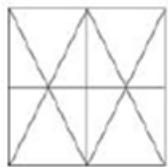
- Figure 2 consists of four options labeled A, B, C, and D. Each option shows a large square divided into four quadrants by a horizontal and vertical line. The quadrants contain different shapes: top-left (triangle), top-right (square), bottom-left (rectangle), and bottom-right (triangle). Option A has a small square in the center. Option B has a small triangle in the center. Option C has a small rectangle in the center. Option D has a small circle in the center.

NICE : OGFA :: COLD :

32. If in a code language, 'HOOK' is written as 'SLLP', then how will 'HOPE' be written in the same code language?

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

E _ _ c _ j f _ _ _ f c e



- A.  A polygon with 5 sides and 5 vertices.

B.  A triangle with 3 sides and 3 vertices.

C.  A triangle with 3 sides and 3 vertices.

D.  A triangle with 3 sides and 3 vertices.

36. Select the option in which the number pair does NOT share the same relationship as that shared by the given number pair.

9 : 734

37. Choose the set of numbers from the given options which is similar to the given set.

(437, 909, 279)

- A. (189, 654, 501) B. (516, 189, 628)
C. (218, 930, 550) D. (718, 990, 546)

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

Bicycle : Wheels :: Bird :

- A. Sky
 - B. River
 - C. Land
 - D. Wings

Statements:

- 1) All books are red.
 - 2) No copy is red.

Conclusions:

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140, 91, 56, 30, 14, 5, 1

44. Complete the given number series.

500, 450, 405, 365,

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.

Light : Blind :: Noise :

- | | |
|---------|------------|
| A. Deaf | B. Peace |
| C. Dumb | D. Silence |

46. Select the option that shows the interchange of signs, which when made will make the given equation correct.

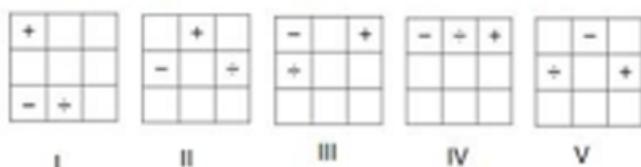
$$11 + 4 - 3 \div 3 \times 7 = 8$$

- | | |
|------------------------|---------------------|
| A. \times and \div | B. $+$ and \div |
| C. $-$ and \times | D. $+$ and \times |

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

Where is N located?

48. Which of the following figure can be removed so that all, starting from I, fit into a pattern?



- A. IV B. III

C. II

D. V

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

$$8 * 4 * 7 * 8 * 2 * 35$$

A. $\times, -, \div, +, =$ B. $\times, +, -, \div, =$ C. $+, -, \times, \div, =$ D. $- , \times, +, \div, =$

50. Two statements are given followed by two conclusions. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1) All mothers are women.

2) Some women are doctors.

Conclusions:

I. No mother is a doctor.

II. Some mothers are doctors.

A. Both I and II follow

B. Either I or II follows

C. Only I follows

D. Only II follows

51. A person crosses an 1800-metre long street in 6 minutes. The speed of the person in km/h is:

A. 9

B. 15

C. 18

D. 12

52. A single discount equivalent to three successive discounts of 10%, 15% and 18%, is:

A. 35.36%

B. 34.17%

C. 37.27%

D. 32.68%

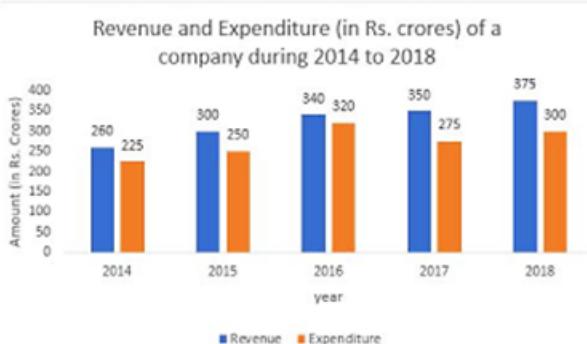
53. A, B and C can do a piece of work in 10, 15 and 30 days, respectively. If B and C both assist A on every third day, then in how many days will 40% of the work be completed?

A. $3\frac{1}{2}$

B. 5

C. $2\frac{1}{2}$

D. 3



In which year is the percentage increase in the revenue as compared to that in the preceding year the higher?

59. What is the difference (in Rs.) between the compound interest, when interest is compounded 6-monthly, and the simple interest on a sum of Rs. 20,000 for $1\frac{1}{2}$ year at 10% p.a?
- A. 76.25 B. 91.5
C. 87 D. 152.5
60. A girl spends 80% of her income. If her income increases by 18% and her expenditure increases by 25%, then what is the percentage increase or decrease in her savings (correct to one decimal place)?
- A. 5%, decrease B. 10%, decrease
C. 10%, increase D. 5%, increase
61. The mean of 100 items is 51. It was discovered that three items, which should have been 50, 70, 60, were wrongly read as 40, 20, 50, respectively. The correct mean is:
- A. 52.3 B. 51.7
C. 48.6 D. 50.8
62. A hall is 18 m long and 12 m broad. If the area of the floor is equal to the sum of the areas of the four walls, the volume (in m^3) of the hall is:
- A. 876.2 B. 777.6
C. 576.4 D. 675.5
63. The incomes of A and B are in the ratio 6 : 11. The ratio of their expenditure is 1 : 2. If A and B save Rs. 9,000 and Rs. 11,500, respectively, then the expenditure of B is:
- A. Rs. 55,500 B. Rs. 54,900
C. Rs. 55,800 D. Rs. 60,000
64. The incomes of A and B are in the ratio 3 : 4, and their expenditures are in the ratio 9 : 5. If the income of A is equal to three times the expenditure of B, then what is the ratio of the saving of A and B?
- A. 2 : 5 B. 5 : 3
C. 5 : 2 D. 3 : 5
65. The average weight of 6 persons decreases by 2.5 kg when a new person comes in place of one of them weighing 70 kg. What is the weight (in kg) of the new person?
- A. 60 B. 75.5
C. 62.5 D. 55
66. Simplify the following expression $\left[8 \times 5 - 3 \text{ of } \left(2\frac{3}{5} \div 1\frac{2}{5} \times 5 - 3 \right) \right] \times \frac{7}{2}$.

A. 52

B. 74

C. 208

D. 352

67. The curved surface area of a right circular cone is $65\pi \text{ cm}^2$ and the radius of its base is 5 cm. What is 40% of the volume of the cone, in cm^3 ?
- A. 50π B. 40π
C. 180π D. 100π
68. Two numbers are, respectively, 17% and 50% less than a third number. The ratio of the two numbers is:
- A. 59 : 35 B. 35 : 59
C. 50 : 83 D. 83 : 50
69. A person invested a sum of Rs. 6,500 at $x\%$ per annum at simple interest and a sum of Rs. 7,500 at $(x-2)\%$ at simple interest. If total interest earned on both the investments for 3 years is Rs. 3,750, then the rate of interest on the second investment is:
- A. 8% B. 12%
C. 14% D. 10%
70. The cost price of 30 articles is the same as the selling price of 24 articles. If the profit is $x\%$, then the value of x is:
- A. 18 B. 30
C. 25 D. 24
71. A train can travel 40% faster than a car. Both the train and car start from point A at the same time and reach point B, which is 70 kms away from A, at the same time. On the way, however, the train lost about 15 minutes while stopping at stations. The speed of the train in km/h is:
- A. 100 B. 80
C. 112 D. 90
72. If A and B can do a piece of work in 20 days, and A alone can do the same work in 60 days, then in how many days can B alone complete the same work?
- A. 50 B. 75
C. 30 D. 40
73. Let x be the least number divisible by 8, 12, 30, 36 and 45 and x is also a perfect square. What is the sum of the digits of the value of x ?
- A. 6 B. 7
C. 4 D. 9

- A. Tamil
- B. Punjabi
- C. Kashmiri
- D. Bengali

Solutions

1. B

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

Enthrall= something that is so interesting, beautiful etc. that you give it all your attention.

E.g.: This book will **enthral** readers of all ages.

Eject = to force someone to leave a place or position.

Enchant = to attract someone strongly and make them feel very interested, excited etc.

E.g.: We were all **enchanted** with the mountain scenery.

Repel = to successfully fight someone who is attacking you and drive them away.

Incite = to encourage someone to do something violent, illegal or unpleasant, especially by making them angry or excited.

Note: “Incite” may appear to be synonym for “Enthrall” but it reflects the negative sense in its meaning. Thus, “Enchant” with positive meaning is preferred over “Incite”.

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

2. B

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

- The perfect continuous tense (Present, Past, Future) denotes an action continuing from the past into the present. It implies the duration of an action (past to present). The time expression is normally indicated by:

‘Since, for, how long, whole, all, throughout, all along.’

- **For example:**

She **had been drinking** steadily **since** the early morning.

He **had been worrying** ever **since** the letter arrived.

- The given sentence is set in the past tense and the action verb “playing” is continuing from the past into the present. Time expression “since” shows this duration. But we have used the wrong structure of verb in the past perfect continuous tense. Thus, “been” should be used in place of “being”.

- Hence, “**he had been**” is the correct substitution.

Thus, the correct sentence will be:

He said he had been playing tennis since he was eight.

3. C

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

- *Along* = shows in a line that follows the side of something long.
- *Across* = shows from one side to the other side of something.
- *With* = used in phrasal verb “meet with something” to show the unpleasant experience.
- *From* = shows the origin of something.

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

- “*Along*” as a preposition is used to show the movement in a line that follows the side of something long. Thus, option A is incorrect.
- “*Across*” as a preposition is used in context of “movement from one side to another”. Thus, option B is incorrect.
- “*From*” as a preposition is used to show where something starts. Thus, option D is incorrect.
- “*With*” as a preposition is used after the verb “meet” to show the experience of something unpleasant. Here in the given sentence, it is used to mention the unpleasant experience of “accident”.

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

Thus, the correct sentence will be:

He met with an accident a few years ago.

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

4. D

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

- The underlined part needs correction in the infinitive structure (verb) and determiner (adjective).
- A “to-infinitive” clause can express purpose.

For example:

She has gone to town **to do** some shopping.

I'm writing **to enquire** about activity holidays.

- In the underlined part of the given sentence, we have erroneously used the gerund form “buying” to show the purpose. Thus, infinitive structure i.e. “to buy” should be used.
- Also, “few” as a determiner expresses the meaning of “not many”. In the absence of any article like “a” or “the” it shows the negative sense. This negative meaning is not reflected in the sentence because someone goes to the market to buy “some amount of vegetables and milk”. He/She does not go to the market to buy nothing.
- “Some” as a determiner shows “an amount of” when we are not certain about the exact amount of something. In contrast, to “few” it shows the positive sense that goes in line with the meaning of the sentence. Thus, “some” should be used in place of “few”.
- Hence, **“to buy some”** is the correct substitution.

Thus, the correct sentence will be:

I went to the market to buy some vegetables and milk.

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

5. B

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

Isolate = to separate someone/something physically or socially from other people or things.

E.g.: Patients with disease should be **isolated**.

Combine = to come together to form a single thing or group.

Detach = to remove something from something larger.

E.g.: **Detach** the coupon and return it as soon as possible.

Connect = to join together two or more things.

Attach = to fasten or join one thing to another.

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

6. B

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

“Temperature” is the correct spelling of the incorrect word “Temprature”. It means the measurement in degrees of how hot or cold a thing or place is.

The meaning of other words are:

Massive: very large, heavy and solid.

Premium: of high quality.

Gloomy: sad and without hope.

7. D

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

Cherish= to love someone/something very much and want to protect them or it. E.g.: He **cherishes** the hope that one day they will meet again.

Distribute = to give things to a large number of people.

Disperse = to move apart and go away in different directions.

Disturb = to interrupt someone when they are trying to work, sleep etc.

Disregard = to not consider something; ignore.

E.g.: He totally **disregarded** all the advice he was given.

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

8. D

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

- The underlined part needs correction in pronoun.

- “Them” is an objective case of pronoun “They”. We don’t use it as a reflexive pronoun.

Moreover, reflexive pronouns are used when doer of action verb is also the receiver of the action verb.

For example:

If anyone comes in before I get back, ask **them** to wait. [“Them” as objective case]

Did you eat all of **them**? [“Them” as objective case]

They seemed to enjoy **themselves**. [“Themselves” as reflexive pronoun]

The children were arguing amongst **themselves**. [“Themselves” as reflexive pronoun]

- In the underlined part of the given sentence, we have erroneously used “them” as an object to show the sense of a reflexive pronoun because it shows the wrong sense that pilgrims were imposing fine on themselves. So, there is no need to show “them” as an object of verb “were fined”. Moreover, in the passive voice, we need preposition phrase (i.e. “By + actual doer”) after the passive verb. “Thus, “them” should be removed from the sentence.

- Hence, “**were fined**” is the correct substitution.

Thus, the correct sentence will be:

The pilgrims were fined one thousand rupees each for littering around the shrine.

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

9. B

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

“Gaiety” is the correct spelling of the incorrect word “Gaeity”. It means the state of being cheerful and full of fun.

The meaning of other words are:

Hypocrisy: behavior that does not meet the moral standards or match the opinions that someone claims to have.

Probable: likely to happen.

Relevant: closely connected with the subject you are discussing or the situation you are in.

10. A

Sol. Postscript: extra message that you add at the end of a letter after you sign your name.

Abbreviation: a short form of a word.

Attachment: a document that you send to someone using email.

Salutation: the words that are used in a letter to address the person you are writing to.

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

11. C

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

- *And* = (conjunction) means “in addition to”
- *So* = (conjunction) shows the reason for something.
- *If* = (conjunction) is used to introduce the conditional clause.
- *Only* = (conjunction) is used to show the meaning of “except that” or “But”.

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

- “*And*” as a conjunction is used to show “in addition to”. Thus, option A is incorrect.
- “*So*” as a conjunction is used to show “reason”. Thus, option B is incorrect.
- “*Only*” as a conjunction is used to show the meaning of “But”. Thus, option D is incorrect.

- "If" as a conjunction is used to introduce the condition in a conditional clause. Here in the given sentence, it is used to introduce the conditional clause "you promise to work hard". It means the act of "teaching" will depend on the condition i.e. "promise to work hard". Thus, "If" becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

I will teach you if you promise to work hard.

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

12. A

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

- The underlined part needs correction in tense.
- In interrogative sentence, the present continuous tense has a verb structure:
Question word + Helping verb (is/am/are) + Subject + Continuous form of verb (-ing)

For example:

Why are you lurking around outside my house?

Why are you being so objectionable today?

- In the given interrogative sentence, we have used the wrong structure of the present continuous tense.
- We have erroneously used the second form of verb i.e. "stood" which is used in the past tense. The use of the helping verb "are" before the underlined part validates that given sentence is set in the present tense. In the present tense, only the continuous form of verb is possible from the options available in the question. Thus, continuous form of main verb i.e. "standing" should be used in place of second form of verb "stood".
- Hence, "**standing**" is the correct substitution.

Thus, the correct sentence will be:

Why are you standing here at this late hour?

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

13. B

Sol. Bilateral: involving two groups of people or two countries.

Bilingual: able to speak two languages equally well.

Multilingual: able to speak several different languages.

Monolingual: speaking or using only one language.

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

14. C

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

- *Announce* = (verb) to tell something officially, especially about a decision, plans etc.
- *Claim* = (verb) to say that something is true although it has not been proved and other people may not believe it.
- *Boast* = (verb) to talk in a way that shows you are too proud of something that you have or can do.
- *Pretend* = (verb) to behave in a particular way, in order to make other people believe something that is not true.

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

- “*Announce*” as a verb means officially tell someone about a decision. Thus, option A is incorrect.
- “*Claim*” as a verb means to say that something is true although it has not been proved yet. Thus, option B is incorrect.
- “*Pretend*” as a verb means to behave in a way that people believe that something is not actually true. Thus, option D is incorrect.
- “*Boast*” as a verb means to talk in a way that shows you are too proud of something that you have or can do. Here in the given sentence, it means those, who talk proudly about their money and valuable possessions, are not actually rich.

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

Thus, the correct sentence will be:

Those who boast of their riches aren't truly rich.

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

15. C

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

Nab= to catch or arrest someone who is doing something wrong.

E.g.: He was **nabbed** by the police for speeding.

Catch = to stop and hold a moving object or person, especially with your hands.

Grab = to take or hold someone/something with your hand suddenly or roughly.

Free = to allow someone to leave prison or somewhere they have been kept against their will.

E.g.: The hijackers agreed to **free** ten hostages.

Arrest = to take a person to a police station and keep him there because police believe he may be guilty of crime.

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

16. D

Sol. The idiom "**Lean and mean**" means efficient and successful.

Example: They wanted their project to be **lean and mean**.

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

17. A

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

- *Allotted* = (verb) to give something to someone as a share of what is available.

- *Owned* = (verb) to have something that belongs to you.

- *Appointed* = (verb) to choose someone for a job or position of responsibility.

- *Asserted* = (verb) to state clearly and definitely that something is true.

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

- "Owned" as a verb means "possession of something". Thus, option B is incorrect.

- "Appointed" as a verb means to select someone for a position or job. Thus, option C is incorrect.

- "Asserted" as a verb means to mention something as true in a clear and definite tone. Thus, option D is incorrect.

- "Allotted" as a verb means to give something to someone as a share of what is available.

Here in the given sentence, it is used to show that "a separate cabin" was given to each employee of the company.

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

Thus, the correct sentence will be:

They allotted a separate cabin to each employee.

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

18. B

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

- “To” as a preposition is used to show “in the direction of something” or “towards something”.

For example:

His childhood was spent travelling from place **to** place.

She pointed **to** something on the tree.

- “For” as a preposition is used to show “in order to obtain something”.

For example:

He came to me **for** advice.

For more information, call this number.

There are over sixty applicants **for** the job.

- In the given sentence, we need a preposition that shows “little baby” was crying to “obtain a new toy”. The use of preposition “to” is wrong because there is no sense of “direction” in the given sentence.

Thus, preposition “for” should be used in place of preposition “to”.

- Hence, “**for a**” is the correct substitution.

Thus, the correct sentence will be:

The little baby cried loudly for a new toy.

19. A

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

- After an adjective phrase, the infinitive is usually active. If we use a phrase with “by” and “agent”, then the infinitive is passive;

For example:

The piano is too **heavy to move**.

The piano is too heavy **to be moved by one person**.

- In the given sentence, “too big” is an adjective phrase. There is no preposition “by” and the “agent” so it is wrong to use the passive form of infinitive. Thus, the active form of infinitive “to carry” should be used after adjective phrase “too big”.
- Hence, “**to carry**” is the correct substitution.

Thus, the correct sentence will be:

Don't you think this bag is too big to carry?

20. C

Sol. The idiom “**Keep in check**” means to keep something under control so that it does not spread or get worse.

Example: She managed to **keep** her temper **in check**.

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

21. C

Sol. The given passage is about “**How our body utilises our sleeping time?**”.

“Apply” means to make a formal request usually in writing for something. Thus, option A is wrong.

“Delay” means to make someone/something late or force them to do something more slowly.

Thus, option B is wrong.

“Settle” means to put an end to an argument or a disagreement. Thus, option D is wrong.

“Spend” as a verb means to use a time for a particular purpose. In the given sentence, it is used to mention that we use one-third of our life for “sleeping” purpose.

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

22. D

Sol. The given passage is about “**How our body utilises our sleeping time?**”.

“Consume” means to use something especially fuel, energy or time. Thus, option A is wrong.

“Remove” means to take someone/something away from a place. Thus, option B is wrong.

“Dispose” means to arrange things or people in a particular way or position. Thus, option C is wrong.

“Waste” as a verb means to use more of something than is necessary or useful. In the given sentence, it is used in negative sense because adverb “not” is used. Here it means that when

we sleep, our body utilises this time. During this time, it produces energy.
Hence, **option D** is the correct answer.

23. C

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Where" as an adverb is used to show "in or to what place or situation". Thus, option A is wrong.

"Why" as an adverb is used in questions to ask the reason for or purpose of something. Thus, option B is wrong.

"What" as a pronoun is used in questions to ask for particular information about something/someone. Thus, option D is wrong.

"When" as a conjunction means "at or during the time". In the given sentence, it is used to show that during the time of sleeping, our body does a lot of work.

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

24. B

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Because" as a conjunction means "for the reason that". Thus, option A is wrong.

"Such as" means "for example". Thus, option C is wrong.

"Although" is used for introducing a statement that makes the main statement in a sentence seem surprising. Thus, option D is wrong.

"So that" means "with the purpose that". In the given sentence, it is used to show that our body produces energy at night when we are sleeping. This helps us to get enormous amount of energy in the morning.

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

25. B

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Memorable" as an adjective means worth remembering especially because of being special or unusual. Thus, option A is wrong.

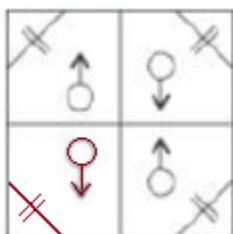
"Occasional" as an adjective means happening or done sometimes but not often. Thus, option C is wrong.

“Restricted” as an adjective means limited or small in size or amount. Thus, option D is wrong.
“Special” as an adjective means more important than others. Here it used an adjective for noun “chemicals”. It means hormones that help in repairing and growth of our body are more important than other hormones.

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

26. B

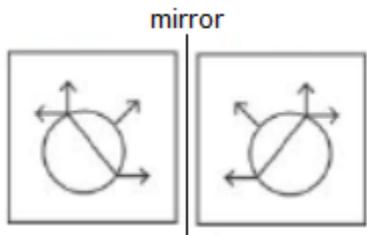
Sol. The figure in option (B) completes the pattern as shown below:



Hence, option B is the correct answer.

27. B

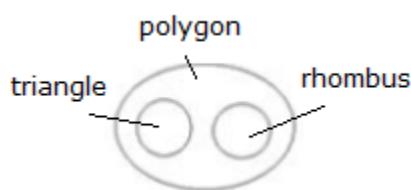
Sol. The correct mirror image will be as shown below:



Hence, option B is the correct answer.

28. B

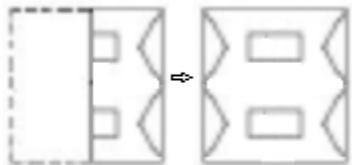
Sol. A polygon is a plane figure that is described by a finite number of straight line segments connected to form a closed polygonal chain. While both triangle and rhombus are its example but both are different from each other.



Hence, option B is the correct answer.

29. C

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



Hence, option C is the correct answer.

30. B

Sol. The given number codes and their words are:

| | |
|-----------|--------|
| Shahid | 8 or 9 |
| likes | 8 or 9 |
| cakes | 3 |
| are | 7 |
| delicious | 1 |
| we | 2 or 4 |
| girls | 2 or 4 |

The code for 'delicious' is '1'.

Hence, option B is the correct answer.

31. C

Sol. The pattern is as follows:

| | | | |
|----|----|----|----|
| 14 | 9 | 3 | 5 |
| N | I | C | E |
| +1 | -2 | +3 | -4 |
| O | G | F | A |
| 15 | 7 | 6 | 1 |

Similarly,

| | | | |
|----|----|----|----|
| 3 | 15 | 12 | 30 |
| C | O | L | D |
| +1 | -2 | +3 | -4 |
| D | M | O | Z |
| 4 | 13 | 15 | 26 |

Hence, option C is the correct answer.

32. D

Sol. Here the coded letters are the opposite letters as per their position in Alphabetical order.

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

Thus the code for 'HOPE' will be 'SLKV'.

Hence, option D is the correct answer.

33. A

Sol. Here the set of letters 'ejfc' is repeating thus the complete series will be:

e j f c / e j f c / e j f c / e

Thus the correct set of letters will be 'jfecej'.

Hence, option A is the correct answer.

34. A

Sol. The pattern is as follows:

| | | | |
|----|----|----|-----|
| B | E | A | M |
| +3 | +6 | +9 | +12 |
| E | K | J | Y |

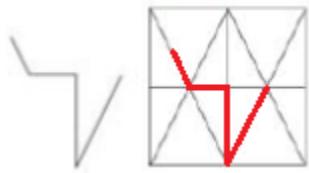
Similarly,

| | | | |
|----|----|----|-----|
| H | O | L | E |
| +3 | +6 | +9 | +12 |
| K | U | U | Q |

Hence, option A is the correct answer.

35. A

Sol. The option figure (A) is perfectly embedded in the given figure:



Hence, option A is the correct answer.

36. B

Sol. Here the pattern followed by the given number pair is:

$$9 \times 9 \times 9 = 729; 729 + 5 = 734$$

Thus similar pattern is followed by the number pairs:

$$(6 : 221), (8 : 517), (7 : 348)$$

But number pair (4 : 71) doesn't follow the same pattern.

Hence, option B is the correct answer.

37. B

Sol. The pattern followed by the given number set (437, 909, 279)

is:

$$4 + 3 = 7$$

$$9 + 0 = 9$$

$$2 + 7 = 9$$

Similar pattern is seen in number set (516, 189, 628) is;

$$5 + 1 = 6$$

$$1 + 8 = 9$$

$$6 + 2 = 8$$

Hence, option B is the correct answer.

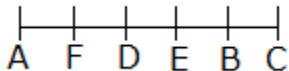
38. D

Sol. A bicycle has wheels that determine how well bicycle rides, in similar way a bird has wings that give it the ability to fly.

Hence, option D is the correct answer.

39. A

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



Clearly, D is the third from the left.

Hence, option A is the correct answer.

40. C

Sol. The numbers that codes for their words is:

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

As per the given options the code for 'worship' is '3'.

Hence, option C is the correct answer.

41. A

Sol. Firstly a field is required, and then the seeds are added to the field, after that field is watered at regular intervals called irrigation, after that the finished crop is collected.

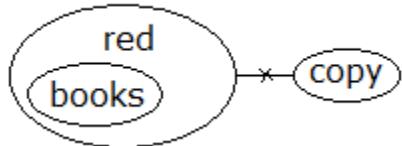
The correct order will be:

II. Field, IV. Seed, I. Irrigate, III. Harvest

Hence, option A is the correct answer.

42. A

Sol. The least possible Venn diagram will be:



Conclusions:

I. Some books are copies – It is not a definite case, hence false.

II. No book is a copy – It is a definite case, hence true.

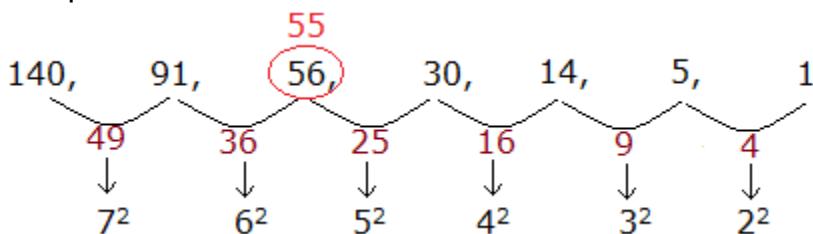
III. All the copies are books – It is not a definite case, hence false.

Thus, only II follows.

Hence, option A is the correct answer.

43. A

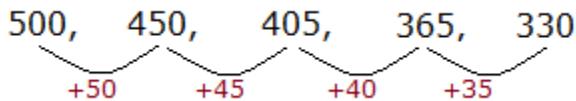
Sol. The pattern is as follows:



Hence, option A is the correct answer.

44. B

Sol. The pattern is as follows:



Hence, option B is the correct answer.

45. A

Sol. A blind person cannot see the light in similar way a deaf person cannot hear the noise.

Hence, option A is the correct answer.

46. C

Sol. By checking all the options we find that the given equation is balanced by signs given in option (C);

$$11 + 4 \times 3 \div 3 - 7 = 8$$

On solving L.H.S we get;

$$\rightarrow 11 + 4 \times 3 \div 3 - 7$$

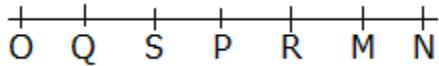
$$\rightarrow 11 + 4 \times 1 - 7$$

$$\rightarrow 11 + 4 - 7 = 8$$

Hence, option C is the correct answer.

47. B

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

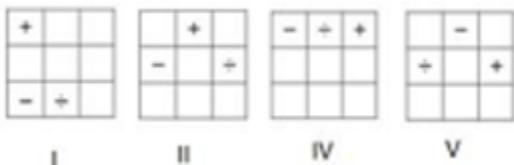


Clearly, N is located at the right end.

Hence, option B is the correct answer.

48. B

Sol. Logic: Here the plus (+) sign is moving 1 step in clockwise direction, the minus (-) sign is moving 1 step in clockwise direction while the division (÷) sign is moving 2 steps in anti-clockwise direction. Thus figure (III) can be removed thus all other figures will fit into the pattern.



Hence, option B is the correct answer.

49. B

Sol. By checking all the options we find that the given equation is balanced by signs given in option (B);

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

On solving L.H.S we get;

$$\rightarrow 8 \times 4 + 7 - 8 \div 2$$

$$\rightarrow 8 \times 4 + 7 - 4$$

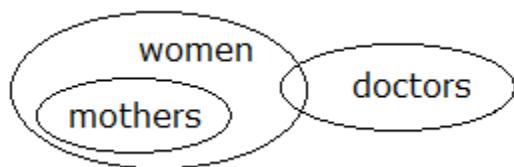
$$\rightarrow 32 + 7 - 4 = 35$$

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

Hence, option B is the correct answer.

50. B

Sol. The least possible Venn-diagram will be as shown below:



Conclusions:

I. No mother is a doctor – It is not a definite case, hence false.

II. Some mothers are doctors – It is not a definite case, hence false.

Here conclusion I and II both have complementary pairs hence either I or II follows.

Hence, option B is the correct answer.

51. C

Sol. Given:

A person crosses an 1800-metre long street in 6 minutes

$$\begin{array}{r} 1800 \\ \hline 1000 \\ \hline 6 \\ \hline 60 \end{array}$$

Therefore, speed of the person = $\frac{6}{60} = 1.8 \times 10 = 18 \text{ km/h}$

Hence, option C is the correct answer.

52. C

Sol. Let the initial price be $100x$.

Then, price after first discount of 10%

$$= (100x) - (100x) \times 10\% = 100x - 10x = 90x$$

Price after second discount of 15%

$$= (90x) - (90x) \times 15\% = 90x - 13.5x = 76.5x$$

And final price after discount of 18%

$$= (76.5x) - (76.5x) \times 18\% = 76.5x - 13.77x = 62.73x$$

Therefore, effective discount equivalent to three successive discounts of 10%, 15% and 18% =

$$\left(\frac{100x - 62.73x}{100x} \right) \times 100 = \left(\frac{37.27x}{100x} \right) \times 100$$

$$= 37.27\%$$

Hence, option C is the correct answer.

53. D

Sol. Let the total work be $30x$ units.

Then, efficiency of A = $30x/10 = 3x$ units/day,

Efficiency of B = $30x/15 = 2x$ units/day

And efficiency of C = $30x/30 = x$ units/day

Work done by A in 3 days = $(3x) \times 3 = 9x$ units

Work done by B and C on third day = $2x + x = 3x$ units

Therefore, total work done in 3 days = $9x + 3x = 12x$ units

That is 40% of the work.

Hence, option D is the correct answer.

54. B

Sol. Total cost price of all three articles = $3 \times 180 = \text{Rs. } 540$

Total selling price to gain 20% on the whole transaction = $540 + 540 \times 20\%$

= $540 + 108 = \text{Rs. } 648$

Selling price of first article (sold at 10% loss) = $180 - 180 \times 10\%$

= $180 - 18 = \text{Rs. } 162$

Required selling price of remaining two articles = $648 - 162 = \text{Rs. } 486$

Selling price of an article = $486/2 = \text{Rs. } 243$

$$\text{Gain (\%)} = \frac{243 - 180}{180} \times 100 = \frac{63}{180} \times 100 = 35\%$$

Hence, option B is the correct answer.

55. C

Sol. Percentage increase in the revenue in 2015 as compared to 2014

$$= \frac{300 - 260}{260} \times 100 = \frac{40}{260} \times 100 = 15.38\%$$

Percentage increase in the revenue in 2016 as compared to 2015

$$= \frac{340 - 300}{300} \times 100 = \frac{40}{300} \times 100 = 13.33\%$$

Percentage increase in the revenue in 2017 as compared to 2016

$$= \frac{350 - 340}{340} \times 100 = \frac{10}{340} \times 100 = 2.94\%$$

Percentage increase in the revenue in 2018 as compared to 2017

$$= \frac{375 - 350}{350} \times 100 = \frac{25}{350} \times 100 = 7.14\%$$

Therefore, in 2015 the percentage increase in the revenue as compared to that in the preceding year is higher.

Hence, option C is the correct answer.

56. B

Sol. Total expenditure in 2015 and 2017 = 250 + 275 = Rs. 525 crores

Total revenue of the company in 2016 and 2018 = 340 + 375 = Rs. 715 crores

Required ratio

525 : 715

105 : 143

Hence, option B is the correct answer.

57. D

Sol.

$$\frac{260 + 340 + 375}{3} = \frac{975}{3}$$

Average of the revenue in 2014, 2016 and 2018 =

= Rs. 325 crores

$$\text{Required percentage} = \frac{340 - 325}{325} \times 100 = \frac{15}{325} \times 100 = 4.62\% \text{ or } 5\%$$

Hence, option D is the correct answer.

58. B

Sol. Given:

$$\text{Area of field} = 3850 \text{ m}^2$$

$$\Rightarrow \pi r^2 = 3850$$

$$\Rightarrow r^2 = \frac{3850 \times 7}{22}$$

$$\Rightarrow r^2 = 1225$$

$$\Rightarrow r = \sqrt{1225} = 35 \text{ m}$$

$$\text{Perimeter of circular field} = 2\pi r$$

$$= 2 \times \frac{22}{7} \times 35 = 220 \text{ m}$$

$$\text{Cost of fencing around} = \text{Perimeter} \times \text{cost of one metre fence}$$

$$= 220 \times 11 = \text{Rs. } 2420$$

Hence, option B is the correct answer.

59. D

Sol. Given:

$$\text{Principal} = \text{Rs. } 20000, \text{ Time} = 1\frac{1}{2} \text{ years and Rate of interest} = 10\% \text{ p.a.}$$

$$\text{Simple Interest} = P \times R \times T = 20000 \times 10\% \times 1.5 = \text{Rs. } 3000$$

$$\text{Compound Interest (6 months compounding)} = P \times (1 + R)^T - P$$

$$= 20000 \times (1 + 0.05)^3 - 20000$$

$$= 20000 \times (1.05)^3 - 20000$$

$$= 23152.5 - 20000$$

$$= \text{Rs. } 3152.5$$

$$\text{Difference between both the interests} = 3152.5 - 3000 = \text{Rs. } 152.5$$

Hence, option D is the correct answer.

60. B

Sol. Let the initial income the girl be Rs. $100x$.

$$\text{Then, her expenditure} = (100x) \times 80\% = \text{Rs. } 80x$$

$$\text{And her savings} = 100x - 80x = \text{Rs. } 20x$$

$$\text{Now, increased income} = (100x) + (100x) \times 18\% = 100x + 18x = \text{Rs. } 118x$$

$$\text{And increased expenditure} = (80x) + (80x) \times 25\% = 80x + 20x = \text{Rs. } 100x$$

$$\text{New savings} = 118x - 100x = \text{Rs. } 18x$$

$$\text{Decrease (in \%)} \text{ in savings} = \left(\frac{20x - 18x}{20x} \right) \times 100 = \left(\frac{2x}{20x} \right) \times 100 = 10\%$$

Hence, option B is the correct answer.

61. B

Sol. Given:

Mean of 100 items is 51

$$\text{Sum of items} = 100 \times 51 = 5100$$

However, three numbers are wrong,

$$\text{Therefore, corrected sum of items} = 5100 - 40 - 20 - 50 - 50 + 70 + 60 = 5170$$

$$\text{Therefore, correct mean} = \frac{5170}{100} = 51.7$$

Hence, option B is the correct answer.

62. B

Sol. Given:

Area of the floor = Sum of the areas of the four walls

$$\Rightarrow \text{Length} \times \text{Width} = 2 \times (\text{Length} + \text{Width}) \times \text{Height}$$

$$\Rightarrow 18 \times 12 = 2 (18 + 12) \times \text{Height}$$

$$\Rightarrow \text{Height} = 216/60 = 3.6 \text{ m}$$

Now, volume of hall = Length \times Width \times Height

$$= 18 \times 12 \times 3.6 = 777.6 \text{ m}^2$$

Hence, option B is the correct answer.

63. D

Sol. Let the income of A be Rs. 6x.

$$\text{Then, income of B} = (6x) \times \frac{11}{6} = \text{Rs. } 11x$$

Now, as per question,

$$\frac{6x - 9000}{11x - 11500} = \frac{1}{2}$$

$$\Rightarrow 12x - 18000 = 11x - 11500$$

$$\Rightarrow 12x - 11x = 18000 - 11500$$

$$\Rightarrow x = 6500$$

Now, expenditure of B = $11x - 11500$

$$= 11 \times 6500 - 11500$$

$$= 71500 - 11500 = \text{Rs. } 60000$$

Hence, option D is the correct answer.

64. A

Sol. Let the income of A be Rs. 3x.

$$\text{Then, income of B} = (3x) \times \frac{4}{3} = \text{Rs. } 4x$$

Now, expenditure of B = $3x/3 = \text{Rs. } x$

And expenditure of A = $(x) \times \frac{9}{5} = \text{Rs. } 1.8x$

Savings of A = $3x - 1.8x = \text{Rs. } 1.2x$

And savings of B = $4x - x = \text{Rs. } 3x$

Ratio of savings of A and B

$1.2x : 3x$

$2 : 5$

Hence, option A is the correct answer.

65. D

Sol. Let the old average weight of 6 persons be x kg and weight of new person be y .

Then, new average weight = $(x - 2.5)$ kg.

According to question,

$$6x - 70 + y = 6(x - 2.5)$$

$$\Rightarrow 6x - 70 + y = 6x - 15$$

$$\Rightarrow y = 70 - 15$$

$$\Rightarrow y = 55$$

Therefore, the weight of new person is 55 kg.

Hence, option D is the correct answer.

66. B

$$\begin{aligned}\text{Sol. } & \left[8 \times 5 - 3 \text{ of } \left(2\frac{3}{5} \div 1\frac{2}{5} \times 5 - 3 \right) \right] \times \frac{7}{2} \\ &= \left[8 \times 5 - 3 \text{ of } \left(\frac{13}{5} \div \frac{7}{5} \times 5 - 3 \right) \right] \times \frac{7}{2} \\ &= \left[8 \times 5 - 3 \text{ of } \left(\frac{13}{5} \times \frac{5}{7} \times 5 - 3 \right) \right] \times \frac{7}{2}\end{aligned}$$

$$= \left[8 \times 5 - 3 \text{ of } \left(\frac{65}{7} - 3 \right) \right] \times \frac{7}{2}$$

$$= \left[8 \times 5 - 3 \text{ of } \left(\frac{44}{7} \right) \right] \times \frac{7}{2}$$

$$= \left[40 - \frac{132}{7} \right] \times \frac{7}{2}$$

$$= \left[\frac{280 - 132}{7} \right] \times \frac{7}{2}$$

$$= \left[\frac{148}{7} \right] \times \frac{7}{2}$$

$$= 74$$

Hence, option B is the correct answer.

67. B

Sol. Given:

Curved surface area of a right circular cone = $65\pi \text{ cm}^2$

$$\Rightarrow \pi r l = 65\pi$$

$$\Rightarrow 5l = 65$$

$$\Rightarrow l = 65/5 = 13 \text{ cm}$$

$$\text{Now, height of cone} = \sqrt{l^2 - r^2} = \sqrt{13^2 - 5^2} = \sqrt{169 - 25} = \sqrt{144} = 12 \text{ cm}$$

$$\frac{1}{3}\pi r^2 h \times 40\%$$

Now, 40% of volume of the cone =

$$= \frac{1}{3}\pi \times 5^2 \times 12 \times 40\%$$

$$= 40\pi$$

Hence, option B is the correct answer.

68. D

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

$$\text{Then, first number} = (100x) - (100x) \times 17\% = 100x - 17x = 83x$$

$$\text{And second number} = (100x) - (100x) \times 50\% = 100x - 50x = 50x$$

Ratio of the two numbers

$$83x : 50x$$

$$83 : 50$$

Hence, option D is the correct answer.

69. A

Sol. Given:

Total interest earned on both the investments for 3 years = Rs. 3,750

$$\Rightarrow 6500 \times (x) \% \times 3 + 7500 \times (x - 2)\% \times 3 = 3750$$

$$\Rightarrow 195x + 225x - 450 = 3750$$

$$\Rightarrow 420x = 3750 + 450$$

$$\Rightarrow x = 4200/420$$

$$\Rightarrow x = 10$$

Therefore, rate of interest on the second investment is $8\% (10 - 2)$.

Hence, option A is the correct answer.

70. C

Sol. Given:

$$30 \times \text{Cost Price} = 24 \times \text{Selling Price}$$

$$\Rightarrow \frac{\text{CP}}{\text{SP}} = \frac{24}{30}$$

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

$$\text{Therefore, profit percentage (x)} = \frac{\frac{5-4}{4} \times 100}{\frac{1}{4} \times 100} = 25\%$$

Therefore, the value of x is 25%

Hence, option C is the correct answer.

71. C

Sol. Let the speed of car be x km/h.

Then, speed of train = (x) + (x) × 40% = x + 0.4x = 1.4x km/h

Now, as per question,

$$\frac{70}{x} - \frac{70}{1.4x} = \frac{15}{60}$$

$$\Rightarrow \frac{70}{x} - \frac{50}{x} = \frac{1}{4}$$

$$\Rightarrow \frac{70 - 50}{x} = \frac{1}{4}$$

$$\Rightarrow \frac{20}{x} = \frac{1}{4}$$

$$\Rightarrow x = 20 \times 4 = 80$$

Therefore, speed of train is 112 km (1.4×80).

Hence, option C is the correct answer.

72. C

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

Then, efficiency of A and B together = $60x/20 = 3x$ units/day,

And efficiency of A = $60x/60 = x$ units/day

Therefore, efficiency of B = $3x - x = 2x$ units/day

Time taken by B alone to complete the work = $60x/2x = 30$ days

Hence, option C is the correct answer.

73. D

Sol. Least number divisible by 8, 12, 30, 36 and 45 will be LCM of the numbers.

$$\text{LCM of } 8, 12, 30, 36 \text{ and } 45 = 2^3 \times 3^2 \times 5$$

However, this is not a perfect square as the power of 2 and 5 is odd.

Now, we will make it a perfect square by raising the powers of 2 and 5.

$$\text{And the number (x) will be } 2^4 \times 3^2 \times 5^2 = 3600$$

$$\text{Sum of digits of the value of } x = 3 + 6 + 0 + 0 = 9$$

Hence, option D is the correct answer.

74. C

Sol. Given:

Sale of five months Rs. 9,435, Rs. 9,927, Rs. 9,855, Rs. 9,230 and Rs. 9,562

$$\text{Total sale of five months} = 9435 + 9927 + 9855 + 9230 + 9562 = \text{Rs. } 48009$$

Total sale required in six months, for an average of Rs. 9500

$$= 6 \times 9500 = \text{Rs. } 57000$$

$$\text{Required sale in sixth month} = 57000 - 48009 = \text{Rs. } 8991$$

Hence, option C is the correct answer.

75. D

$$\begin{aligned} & 4\frac{2}{5} \div \left\{ \left(1\frac{1}{2} - 3\frac{1}{5} \right) \div 3\frac{2}{5} + \left(2\frac{1}{5} \div 1\frac{1}{2} + 4\frac{2}{5} \right) + \frac{1}{2} \right\} \\ &= \frac{22}{5} \div \left\{ \left(\frac{3}{2} - \frac{16}{5} \right) \div \frac{17}{5} + \left(\frac{11}{5} \div \frac{3}{2} + \frac{22}{5} \right) + \frac{1}{2} \right\} \\ &= \frac{22}{5} \div \left\{ \left(\frac{15-32}{10} \right) \times \frac{5}{17} + \left(\frac{11}{5} \times \frac{2}{3} + \frac{22}{5} \right) + \frac{1}{2} \right\} \end{aligned}$$

$$= \frac{22}{5} \div \left\{ \left(\frac{-17}{10} \right) \times \frac{5}{17} + \left(\frac{22}{15} + \frac{22}{5} \right) + \frac{1}{2} \right\}$$

$$= \frac{22}{5} \div \left\{ \left(\frac{-17}{10} \right) \times \frac{5}{17} + \left(\frac{22+66}{15} \right) + \frac{1}{2} \right\}$$

$$= \frac{22}{5} \div \left\{ \frac{-1}{2} + \frac{88}{15} + \frac{1}{2} \right\}$$

$$= \frac{22}{5} \times \frac{15}{88}$$

$$= \frac{3}{4}$$

Hence, option D is the correct answer.

76. C

- Sol. • Article 343 (1) of the Constitution of India provides that Hindi in the Devanagari script shall be the official language of the Union.
• Article 343(2) is that the President may, during the said period, by order authorise the use of the Hindi language in addition to the English language.
• Article 343 (3) permits Parliament to bring a law to permit the use of English beyond a period of fifteen years.
• Article 344 deals with the Commission and Committee of Parliament on official language.
• Article 343 of the Indian Constitution stated that the Official Language of the Union is Hindi in Devanagari script instead of the extant English.

77. C

- Sol. • Fakir Hassen is the author of the book '150 Years of Celebrating the Mahatma - the South African Legacy'.
• The book '150 Years of Celebrating the Mahatma - the South African Legacy' is a 160-page coffee table.
• It records how commemorations of Gandhi's activities, including his birth and death anniversaries, were confined to the local Indian community only.
• Frederic Tuten is an American novelist, short story writer and essayist.
• He was awarded three Pushcart Prizes and one O. Henry Prize.
• Daniel Woodrell is one of the highly respected authors from America.

78. D

- Sol. • Methane is the largest component of natural gas.
• It is the second most important anthropogenic greenhouse gas.
• Methanol is mainly produced industrially by hydrogenation of carbon monoxide.
• It is also known as wood alcohol and it is considered an alternative fuel under the Energy Policy Act of 1992.
• Ethanol is one of the largest volume organic chemicals used in industrial and consumer products.
• It is a grain alcohol that can be blended with gasoline and used in motor vehicles.

79. D

- Sol. • Akbar builds Fatehpur Sikri in honour of Sheikh Salim Chisti.
• Shaikh Salim Chishti is one of the most revered Sufi saints of the Mughal period in India.
• Fatehpur Sikri was the short-lived capital of the Mughal empire from 1571 to 1585.
• It was awarded the status of UNESCO World Heritage Site in 1986.
• Sheikh Nizamat Ullah is considered the most well-known Marathi Muslim poet.
• Akbar was one of the greatest emperors in the Mughal empire.

80. A

- Sol. • Mercury has no satellite of its own.
• It is the smallest planet in our solar system and it is the closest planet to the Sun.
• Jupiter is the fifth planet from the Sun and the largest in the Solar System.
• It contains more than twice the mass of all the other solar system planets combined.
• Saturn is best known for the bright, beautiful rings that circle its equator.
• Mars is the fourth planet from the Sun and the second-smallest planet in the Solar System.

81. C

- Sol. • Mitochondria is called the 'powerhouse of the cell'.
• It is a double-membrane-bound organelle found in most eukaryotic organisms.
• They play a critical role in the generation of metabolic energy in eukaryotic cells.
• The plasma membrane is a flexible and lipid bilayer that surrounds and contains the cytoplasm of the cell.
• White blood cells are part of the body's immune system and they are also called leukocytes or leucocytes.
• Red blood cells are cells present in the blood to transport oxygen and are an important element of blood.

82. C

Sol. • **Vinegar contains Acetic acid.**

- It is a combination of acetic acid and water made by a two-step fermentation process.
- Acetic acid is the second simplest carboxylic acid and It is an important chemical reagent and industrial chemical.
- Nitric acid is one of the most widely used digestion reagents and the most widely used primary oxidant for the decomposition of organic matter.
- Citric acid is a weak acid that is found naturally in all citrus fruits and It is the most widely used acid in the food industry.
- Tartaric acid is widely used as an acidulant in carbonated drinks, effervescent tablets, gelatin desserts and fruit jellies.

83. B

Sol. • **Anthracite is not a product made from crude oil.**

- It is a hard, compact variety of coal that has a submetallic lustre.
- It is the most metamorphosed type of coal in which the carbon content is between 86% and 97%.
- Crude oil is a naturally occurring, yellowish-black liquid found in geological formations.
- Asphalt is a sticky, black, semi-solid form of petroleum used to bind aggregate together.
- Gasoline is a transparent, petroleum-derived flammable liquid and It is used primarily as a fuel in most spark-ignited internal combustion engines.

84. D

Sol. • **The caves of Bagh are a marvellous vestige of Indian rock-cut architecture is situated in Madhya Pradesh.**

- The Bagh Caves are a group of nine rock-cut monuments.
- These remarkable and interesting rock-cut shrines and monasteries are situated in the Narmada valley.
- They are counted amongst the finest specimens of Buddhist art and architecture in India.
- Madhya Pradesh is the second-largest Indian state by area and the fifth largest state by population.
- It has the largest reserves of diamond and copper in India.

85. D

Sol. • **The Urban Learning Internship Program (TULIP), launched in June 2020, is a joint**

initiative of The Ministry of Human Resource Development (MHRD) and the Ministry of Housing and Urban Affairs (MoHUA).

- It aims to provide internship opportunities to 25,000 fresh graduates in all Urban Local Bodies and Smart Cities across the country.
- It is expected that under the programme 25000 fresh graduates will receive the opportunity of internship in the first year itself.
- The TULIP portal has been developed by the All India Council for Technical Education.
- The Ministry of Housing and Urban Affairs is the nodal Ministry responsible for coordinating urban development functions at the national level.

86. D

Sol. ● **The Jog Waterfall is located in Karnataka.**

- It is a waterfall on the Sharavati river located in the Western Ghats.
- It is the second-highest plunge waterfall in India and the third-highest waterfall in India.
- It is a segmented waterfall that depending on rain and season becomes a plunge waterfall.
- **Karnataka** is primarily known for its Heritage destinations and its Wildlife/ National Parks.
- It is best known for its software industry and now biotechnology.

87. B

Sol. ● **Rohit Sharma received the 'Rajiv Gandhi Khel Ratna Award' in 2020.**

- He is the current captain of the Indian national team.
- He is widely acknowledged as one of the most outstanding batsmen in limited-overs cricket.
- **Rajiv Gandhi Khel Ratna Award** is awarded annually by the Ministry of Youth Affairs and Sports.
- Sachin Tendulkar is regarded as one of the greatest batsmen in the history of cricket.
- Suresh Raina is the only Indian who has hit a century in all formats of the game.
- Mahendra Singh Dhoni is one of the best finishers in the game of cricket.

88. A

Sol. ● **The minimum age prescribed by the Constitution of India for appointment as Governor of a State is 35 years.**

- The governors of the states of India have similar powers and functions at the state level as those of the president of India at the central level.
- He acts as the nominal head whereas the real power lies with the chief ministers of the states.

- The governor of a state is appointed by the president of India.
- The primary function of the governor is to preserve, protect and defend the constitution and the law.

89. C

- Sol. • The Union Budget, 2020-21, increased deposit insurance coverage for bank deposits to Rs5 lakh per depositor.
• The deposit insurance premium is compulsory for all insured banks.
• It is paid by banks to Deposit Insurance and Credit Guarantee Corporation and is not recovered from the depositors.
• The Union Budget is the annual financial report of India, an estimate of income and expenditure of the government on a periodical basis.
• The first Union Budget of Independent India was presented by RK Shanmukham Chetty on 26 November 1947.

90. A

- Sol. • Cheraw is the traditional bamboo dance of Mizoram.
• It is considered to be one of the oldest dances of Mizoram.
• It is characterized by the use of bamboo staves, which are kept in the cross and horizontal forms on the ground.
• It has become an integral part of almost every festival of Mizoram.
• It is the most famous and beautiful dance in Mizoram.
• Mizoram is a land of the Blue Mountains and is known as one of the most disciplined states of India.

91. D

- Sol. • Kakinada, which enjoys a special place in the gas pipeline network of India, is located in Andhra Pradesh.
• East-West Gas Pipeline is a project implemented to transport gas from Kakinada to Bharuch including various spurs and interconnects on the way.
• It traverses through the Indian states of Andhra Pradesh, Telangana, Karnataka, Maharashtra and Gujarat.
• It is a wholly-owned subsidiary of India Infrastructure Trust, which is owned by Brookfield Asset Management.
• The project is the first and largest privately owned cross-country pipeline in India.
• It is the backbone of India's burgeoning natural gas grid.

92. A

- Sol. • Lakshadweep is the smallest Union Territory of India in terms of area.
• It has a total surface area is just 32 km^2 and It is an archipelago of 36 islands in the Arabian sea.
• It is one of the world's most spectacular tropical island systems.
• The Union Territory of Puducherry lies in the southern part of the Indian Peninsula.
• Chandigarh is one of the early planned cities in post-independence India.
• It is internationally known for its architecture and urban design.

93. A

- Sol. • Hemang Amin was appointed as the interim CEO of the Board of Control for Cricket in India (BCCI) in July 2020.
• The Board of Control for Cricket in India is the governing body for cricket in India.
• It is under the jurisdiction of the Ministry of Youth Affairs and Sports, Government of India.
• Sundar Raman is an Indian sports business professional and he is currently working with Reliance Industries Limited as its CEO - Sports.
• Rahul Johri was the 1st Chief Executive Officer at the Board of Control for Cricket in India.

94. A

- Sol. • Sindhi poet and writer, Vasdev Mohi was selected for the Saraswati Samman, 2019. This award is given annually by KK Birla Foundation.
• Vasdev Mohi is known as the writer of clarity of expressions, true depth of thoughts and stronghold over the Prosody.
• The Saraswati Samman is an annual award for outstanding prose or poetry literary works.
• It was instituted in 1991 by the K. K. Birla Foundation.
• The K.K. Birla Foundation was established in 1991 by Krishna Kumar Birla in Delhi.
• Its mission is to promote literature and the arts, as well as education and social work.

95. B

- Sol. • Annie Besant was the first woman to be elected as the President of the Indian National Congress.
• she was an ardent supporter of both Irish and Indian self-rule.
• She was the 3rd prime minister of India and a central figure of the Indian National Congress.
• She was also the first and, to date, only female prime minister of India.
• Sucheta Kripalani was India's first woman Chief Minister.

- Nellie Sengupta was an Englishwoman who fought for Indian Independence.

96. C

- Sol.
- The Andaman and Nicobar Islands comprise about 572 islands.
 - It is famous for its absolutely stunning beaches, rich biodiversity, beautiful marine ecosystem and tropical evergreen forests teeming with wildlife.
 - They are known for their palm-lined, white-sand beaches, mangroves and tropical rainforests.
 - It is an important hub for the economic strategic cooperation of India.
 - It is an Indian archipelago located in the Bay of Bengal and It is one of the most unique travel destinations in India.

97. C

- Sol.
- India secured the 168 ranks in the 12th edition of the biennial Environment Performance Index (EPI 2020) which measured the environmental performance of 180 countries.
 - The Environment Performance Index is a biennial index that quantifies and numerically ranks the environmental performance of a country.
 - It is a collaboration between Yale University and the World Economic Forum.
 - It provides a data-driven summary of the state of sustainability around the world.
 - The index considered 32 indicators of environmental performance and included 10-year trends in environmental performance at the national and global levels.

98. A

- Sol.
- The earliest Buddhist texts were written in Pali.
 - Pali is a Middle Indo-European liturgical language native to the Indian subcontinent.
 - Apabhramsha language is the literary language of the final phase of the Middle Indo-Aryan languages.
 - The Prakrits were Middle Indo-Aryan languages spoken between about 500 B.C. and 500 A.D.
 - Sanskrit is a classical language of South Asia that belongs to the Indo-Aryan branch of the Indo-European languages.
 - It was a link language in ancient and medieval South Asia.

99. D

- Sol.
- Attorney-General for India is a constitutional post under Article 76 of the Constitution of India.

- He is the **Indian government's chief legal advisor** and **is its principal Advocate before the Supreme Court of India**.
- He is appointed by the President of India on the advice of the Union Cabinet under Article 76(1) of the Constitution.
- The **Solicitor General of India** is subordinate to the Attorney General for India.
- They are the **second law officer in the country** and are **assisted by Additional Solicitors General for India**.
- The **standing counsel** is a lawyer who is appointed for representing a client.

100. C

- Sol.
- **Lal Ded**, a female saint of the 14th century, was one of the earliest and best-known Kashmiri poetesses.
 - She was a **Kashmiri mystic** of the **Kashmir Shaivism school** of Hindu philosophy.
 - She was the **creator of the style of mystic poetry**.
 - She was a **mystic** of the **Kashmiri Shaivite sect** and at the same time, a **Sufi saint**.
 - She is considered the **greatest spiritual seer** and **saint-poetess of Kashmir**.
 - **Punjabi** is the **third most spoken native language in the Indian subcontinent**.
 - **Tamil** is one of the longest-surviving classical languages in the world.

Mock Test Solutions in Hindi

Questions

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

ENTHRALL

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

He said he had been playing tennis since he was eight.

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

He met _____ an accident a few years ago.

- A. along
 - B. across
 - C. with
 - D. from

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

I went to the market buying few vegetables and milk.

- A. to buy few
 - B. No substitution required
 - C. buying some
 - D. to buy some

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

ISOLATE

- 6. Select the INCORRECTLY spelt word.**

- A. Massive
 - B. Temperature
 - C. Premium
 - D. Gloomy

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

CHERISH

- | | |
|---------------|--------------|
| A. distribute | B. disperse |
| C. disturb | D. disregard |

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

The pilgrims were fined them one thousand rupees each for littering around the shrine.

- | | |
|-----------------------------|--------------------|
| A. No substitution required | B. have fined them |
| C. was fined with | D. were fined |

9. Select the INCORRECTLY spelt word.

- | | |
|--------------|-------------|
| A. Hypocrisy | B. Gaeity |
| C. Probable | D. Relevant |

10. Select the most appropriate one-word substitution for the given group of words.

An additional remark at the end of a letter after the signature

- | | |
|---------------|-----------------|
| A. Postscript | B. Abbreviation |
| C. Attachment | D. Salutation |

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

I will teach you _____ you promise to work hard.

- | | |
|--------|---------|
| A. and | B. so |
| C. if | D. Only |

12. 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'.

Why are you stood here at this late hour?

- | | |
|-------------|-----------------------------|
| A. standing | B. stands |
| C. stand | D. No substitution required |

13. Select the most appropriate one-word substitution for the given group of words.

A person who speaks two languages

- A. Bilateral
- B. Bilingual
- C. Multilingual
- D. Monolingual

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

Those who _____ of their riches aren't truly rich.

- A. announce
- B. claim
- C. boast
- D. pretend

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

NAB

- A. catch
- B. grab
- C. free
- D. arrest

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

Lean and mean

- A. Fat and lazy
- B. Evil and selfish
- C. Thin and weak
- D. Ready and efficient

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

They _____ a separate cabin to each employee.

- A. allotted
- B. owned
- C. appointed
- D. asserted

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

The little baby cried loudly to a new toy.

- A. cried loudly
- B. to a
- C. new toy
- D. The little baby

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

Don't you think this bag is too big to carried?

- A. to carried
- B. Don't you think
- C. too big
- D. this bag is

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

Keep in check

- A. To keep something safe
- B. To place an order
- C. To control something
- D. To test something

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.

Do you know that you (1) _____ about one-third of your life sleeping? However, your body doesn't (2) _____ the sleeping time. It has a lot to do (3) _____ you are sleeping. The body produces energy at night (4) _____ you have plenty of energy the next morning. Hormones, which are (5) _____ growth chemicals, help the body to repair itself and grow.

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

- A. apply
- B. delay
- C. spend
- D. settle

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

- A. consume
- B. remove
- C. dispose
- D. waste

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

- A. where
- B. why
- C. when
- D. what

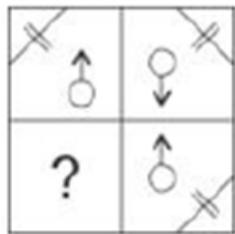
24. Select the most appropriate option to fill in blank no. 4

- A. because
- B. so that
- C. such as
- D. although

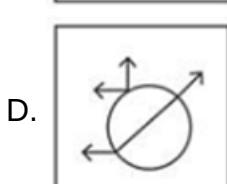
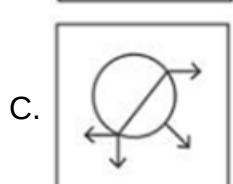
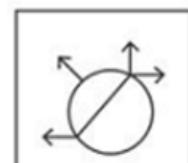
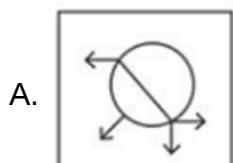
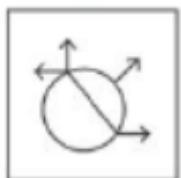
25. Select the most appropriate option to fill in blank no. 5

- A. memorable
- B. special
- C. occasional
- D. restricted

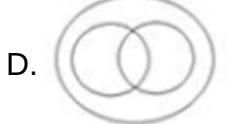
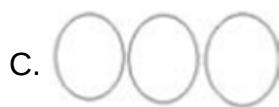
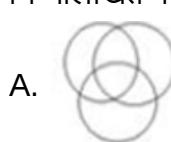
26. विकल्पों में से चयन करके दिए गए पैटर्न के प्रश्नवाचक भागको पूरा करें।



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



28. निम्नलिखित में से कौन सा वेन आरेख एक बहुभुज, एक त्रिभुज और एक समचतुर्भुज के बीच सटीक संबंध को दर्शाता है?



29. एक कागज को बिंदीदार रेखाओं पर मोड़ा जाता है जैसा कि पहली दो आकृतियों में दर्शाया गया है और तीसरी आकृति में दिखाए अनुसार काटा

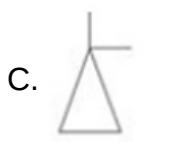
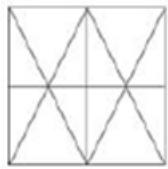
जाता है। कागज को खोले जाने पर यह कैसा दिखाई देगा?



- The figure consists of four options labeled A, B, C, and D. Each option features a large square frame with inward-pointing arrowheads at each corner. Inside this frame, there is a smaller square centered in the middle. Option A contains a single small square in the center. Option B contains a small square with a diagonal line from bottom-left to top-right. Option C contains two small squares, one oriented normally and one with a diagonal line. Option D contains a small square with a diagonal line from top-left to bottom-right.

NICE : OGFA ; ; COLD :

e _ _ c _ j f _ _ _ f c e



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

9 : 734

A. 6 : 221

B. 4 : 71

C. 8 : 517

D. 7 : 348

37. दिए गए विकल्पों में से संख्याओं का वह समुच्चय चुनें जो दिए गए समुच्चय के समान हो।

(437, 909, 279)

A. (189, 654, 501)

B. (516, 189, 628)

C. (218, 930, 550)

D. (718, 990, 546)

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

साइकिल : पहिए :: पक्षी : _____

A. आसमान

B. नदी

C. भूमि

D. पंख

39. छह छात्र अर्थात् A, B, C, D, E और F उत्तर की ओर मुख करके खड़े हैं लेकिन आवश्यक नहीं है कि इसी क्रम में हों। A किसी एक कोने पर है तथा F उसके बगल में है। B, E की ठीक दाईं ओर है। B दाएं छोर से दूसरे स्थान पर है। C, F के बगल में नहीं है। कौन बाईं ओर से तीसरे स्थान पर खड़ा है?

A. D

B. E

C. F

D. C

40. एक निश्चित कूट भाषा में, '274' का अर्थ 'God is great' है, '137' का अर्थ 'I worship God' है और '752' का अर्थ 'God is omnipotent' है। कौन सा विकल्प 'worship' के लिए कूट है?

A. 7

B. 2

C. 3

D. 5

41. दिए गए विकल्पों में से कौन सा निम्नलिखित शब्दों का तार्किक क्रम होगा?

- I. सिंचाई, II. खेत, III. कटाई, IV. बीज

A. II, IV, I, III

B. I, II, IV, III

C. III, II, IV, I

D. IV, II, III, I

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

कथन:

1) सभी बुक्स, रेड हैं।

2) कोई कॉपी, रेड नहीं है।

निष्कर्ष:

I. कुछ बुक्स, कॉपीज हैं।

II. कोई बुक, कॉपी नहीं है।

III. सभी कॉपीज, बुक्स हैं।

A. केवल II अनुसरण करता है

B. I और II अनुसरण करते हैं

C. II और III अनुसरण करते हैं

D. केवल I अनुसरण करता है

43. वह संख्या ज्ञात कीजिए जो दी गई संख्या शरूंखला से संबंधित नहीं है।

140, 91, 56, 30, 14, 5, 1

A. 56

B. 14

C. 1

D. 91

44. दी गई संख्या शरूंखला को पूरा करें।

500, 450, 405, 365, _____

A. 350

B. 330

C. 340

D. 320

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

प्रकाश : अंधा :: शोर : _____

A. बहरा

B. शांति

C. गुणा

D. मौन

46. उस विकल्प का चयन करें जो प्रतीकों के प्रस्पर विनिमय को दर्शाता है, जो दिए गए समीकरण को सही बना देगा।

$$11 + 4 - 3 \div 3 \times 7 = 8$$

A. \times और \div

B. $+$ और \div

C. $-$ और \times

D. $+$ और \times

47. एक परिसर में सात पंक्ति के घर अर्थात् M, N, O, P, Q, R और S हैं लेकिन आवश्यक नहीं है कि इसी क्रम में हो। P किसी भी छोर पर नहीं है। R, P की ठीक दाईं ओर है। S बाईं ओर से तीसरा है। O बाएं छोर पर है। M दाईं ओर से दूसरे स्थान पर है। O, N के बगल में नहीं है।

N कहाँ स्थित है?

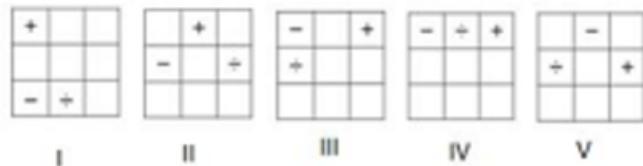
A. दाईं ओर से तीसरा

B. दाएं छोर पर

C. बाईं ओर से दूसरा

D. दाईं ओर से चौथा

48. निम्नलिखित में से कौन सी आकृति को हटाया जा सकता है ताकि सभी, I से शुरू होकर, एक पैटर्न में फिट हो जाएं?



A. IV

B. III

C. II

D. V

49. * प्रतीकों को बदलने और दिए गए समीकरण को संतुलित करने के लिए गणितीय प्रतीकों के सही संयोजन का चयन करें।

$$8 * 4 * 7 * 8 * 2 * 35$$

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

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

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

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

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

कथनः

- 1) सभी माताएं, महिला हैं।
 - 2) कुछ महिला, चिकित्सक हैं।

निष्कर्षः

- I. कोई माता, चिकित्सक नहीं है।

॥. कछ माताएं, चिकित्सक हैं ॥

51. एक व्यक्ति 1800 मीटर लंबी सड़क को 6 मिनट में पार करता है। व्यक्ति की गति किमी/घंटा में है:

52. 10%, 15% और 18% की लगातार तीन छटों के बराबर एक एकल छट है:

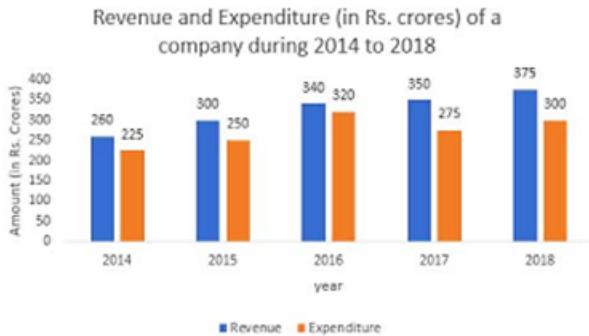
- A. 35.36% B. 34.17%
C. 37.27% D. 32.68%

53. A, B और C एक कार्य को क्रमशः 10, 15 और 30 दिनों में कर सकते हैं। यदि B और C दोनों प्रत्येक तीसरे दिन A की सहायता से कार्य करते हैं, तो कार्य का 40% कितने दिनों में पूरा होगा?

- A. $3\frac{1}{2}$ B. 5
C. $2\frac{1}{2}$ D. 3

54. तीन वस्तुएँ 180 रुपये प्रत्येक पर खरीदी जाती हैं। उनमें से एक को 10% की हानि पर बेचा जाता है। यदि अन्य दो वस्तुओं को बेचा जाता है ताकि परे लेन-देन पर 20% का लाभ हो, तो दोनों वस्तुओं पर लाभ प्रतिशत क्या है?

- 55 निर्देशः दिए गए ग्राफ का अध्ययन कीजिए और नीचे दिए गए परश्नों का उत्तर दीजिए।



किस वर्ष राजस्व में पिछले वर्ष की तुलना में प्रतिशत वृद्धि अधिक है?

- C. 50 : 83 D. 83 : 50

69. एक व्यक्ति ने साधारण ब्याज पर $x\%$ प्रति वर्ष की दर से 6,500 रुपये की राशि और साधारण ब्याज पर $(x-2)\%$ की दर से 7,500 रुपये का निवेश किया। यदि 3 वर्षों के लिए दोनों निवेशों पर अर्जित कुल ब्याज 3,750 रुपये है, तो दूसरे निवेश पर ब्याज की दर ज्ञात कीजिए?

A. 8% B. 12%
C. 14% D. 10%

70. 30 वस्तुओं का क्रय मूल्य 24 वस्तुओं के विक्रय मूल्य के समान है। यदि लाभ $x\%$ है, तो x का मान ज्ञात कीजिए?

A. 18 B. 30
C. 25 D. 24

71. एक ट्रेन कार की तुलना में 40% तेज गति से यात्रा कर सकती है। ट्रेन और कार दोनों एक ही समय पर बिंदु A से शुरू होती हैं और बिंदु B पर पहुँचती हैं, जो A से 70 किमी दूर है। हालांकि रास्ते में स्टेशनों पर रुकते समय ट्रेन को करीब 15 मिनट का समय गंवाना पड़ा। किमी/घंटा में ट्रेन की गति ज्ञात कीजिए?

A. 100 B. 80
C. 112 D. 90

72. यदि A और B एक कार्य को 20 दिनों में कर सकते हैं और A अकेला उसी कार्य को 60 दिनों में कर सकता है, तो B अकेला उसी कार्य को कितने दिनों में पूरा कर सकता है?

A. 50 B. 75
C. 30 D. 40

73. माना x सबसे छोटी संख्या है जो 8, 12, 30, 36 और 45 से विभाज्य है और x भी एक पूर्ण वर्ग है। x के मान के अंकों का योग क्या है?

A. 6 B. 7
C. 4 D. 9

74. एक किराना दुकानदार की लगातार पांच महीने तक 9,435 रुपये, 9,927 रुपये, 9,855 रुपये, 9,230 रुपये और 9,562 रुपये की बिक्री होती है। छठे महीने में उसके पास कितनी बिक्री (रु में) होनी चाहिए ताकि उसे औसतन 9,500 रुपये की बिक्री प्राप्त हो सके?

A. 8,231 B. 9,991
C. 8,991 D. 9,231

75. $4\frac{2}{5} \div \left\{ \left(1\frac{1}{2} - 3\frac{1}{5} \right) \div 3\frac{2}{5} + \left(2\frac{1}{5} \div 1\frac{1}{2} + 4\frac{2}{5} \right) + \frac{1}{2} \right\}$ का मान ज्ञात कीजिए?

A. $\frac{4}{7}$ B. $\frac{3}{7}$
C. $\frac{3}{5}$ D. $\frac{3}{4}$

76. भारत के संविधान के निम्नलिखित में से कौन सा अनुच्छेद प्रावधान करता है कि देवनागरी लिपि में हिंदी संघ की राजभाषा होगी?

A. अनुच्छेद 343 (2) B. अनुच्छेद 344 (1)
C. अनुच्छेद 343 (1) D. अनुच्छेद 343 (3)

77. निम्नलिखित में से कौन '150 इर्यस ॲफ सेलिब्रेटिंग द महात्मा - द साउथ अफ्रीकन लिगेसी' पुस्तक के लेखक हैं?

- A. डेनियल वुडरेल (Daniel Woodrell)
C. फकीर हसन (Fakir Hassen)
78. निम्नलिखित में से कौन सा प्राकृतिक गैस का सबसे बड़ा घटक है?
A. मेथनॉल
C. ईथेन
79. अकबर ने फतेहपुर सीकरी किस संत के सम्मान में बनवाया था?
A. शेख शिहाबुद्दीन सुहरावर्दी (Sheikh Shihabuddin Suhrawardi)
C. ख्वाजा पीर मोहम्मद (Khwaja Pir Mohammad)
80. निम्नलिखित में से किस ग्रह का अपना कोई उपग्रह नहीं है?
A. बुध
C. शनि
81. निम्नलिखित में से किसे 'कोशिका' का बिजलीघर' कहा जाता है?
A. श्वेत रक्त कोशिकाएं
C. माइटोकॉन्ड्रिया
82. सिरका में कौन सा एसिड होता है?
A. टार्टरिक एसिड
C. एसिटिक एसिड
83. निम्न में से कौन सा कच्चे तेल से निर्मित उत्पाद नहीं है?
A. डामर
C. डीज़ल
84. बाघ गुफाएं, जो भारतीय रॉक-कट वास्तुकला का एक अद्भुत अवशेष हैं, _____ में स्थित हैं।
A. बिहार
C. पंजाब
85. जून 2020 में शुरू किया गया अर्बन लर्निंग इंटर्नशिप प्रोग्राम (TULIP) किसकी संयुक्त पहल है?
A. आवास एवं शहरी मामलों के मंत्रालय (MoHUA) और वाणिज्य एवं उद्योग मंत्रालय
C. मानव संसाधन विकास मंत्रालय (MHRD) और कौशल विकास एवं उद्यमिता मंत्रालय
86. जोग जलप्रपात (Jog waterfall) किस राज्य/केंद्र शासित प्रदेश में स्थित है?
A. पंजाब
B. लद्दाख
- B. फरीद जकारिया (Fareed Zakaria)
D. फ्रेडरिक टुटेन (Frederic Tuten)
- B. इथेनॉल
D. मीथेन
- B. शेख निज़ामत उल्लाह (Sheikh Nizamat Ullah)
D. शेख सलीम चिस्ती (Sheikh Salim Chisti)
- B. बृहस्पति
D. मंगल
- B. प्लाज्मा ड्झिल्ली
D. लाल रक्त कोशिकाएं
- B. नाइट्रिक एसिड
D. साइट्रिक एसिड
- B. एन्थ्रेसाइट
D. गैसोलीन
- B. छत्तीसगढ़
D. मध्य प्रदेश
- B. आवास एवं शहरी मामलों के मंत्रालय (MoHUA) और कौशल विकास एवं उद्यमिता मंत्रालय
D. मानव संसाधन विकास मंत्रालय (MHRD) और आवास एवं शहरी मामलों के मंत्रालय (MoHUA)

- C. जम्मू और कश्मीर
87. निम्नलिखित में से किसे 2020 में 'राजीव गांधी खेल रत्न पुरस्कार' मिला?
A. महेन्द्र सिंह धोनी
B. रोहित शर्मा
C. सुरेश रैना
D. सचिन तेंदुलकर

88. किसी राज्य के राज्यपाल के रूप में नियुक्ति के लिए भारत के संविधान द्वारा निर्धारित न्यूनतम आयु क्या है?
A. 35 वर्ष
B. 21 वर्ष
C. 25 वर्ष
D. 30 वर्ष

89. केंद्रीय बजट, 2020-21 ने बैंक जमा के लिए जमा बीमा कवरेज को बढ़ाकर, _____ रुपये प्रति जमाकर्ता कर दिया।
A. 1 लाख
B. 2 लाख
C. 5 लाख
D. 3 लाख

90. मिजोरम के पारंपरिक बांस नृत्य को क्या कहा जाता है?
A. चेराव (Cheraw)
B. याक चाम (Yak Chaam)
C. थांग ता (Thang Ta)
D. मांच (Maanch)

91. काकीनाडा (Kakinada), जिसे भारत के गैस पाइपलाइन नेटवर्क में एक विशेष स्थान प्राप्त है, _____ में स्थित है।
A. केरल
B. ओडिशा
C. तमिलनाडु
D. आंध्र प्रदेश

92. निम्नलिखित में से कौन सा क्षेत्रफल की दृष्टि से भारत का सबसे छोटा केंद्र शासित प्रदेश है?
A. लक्षद्वीप
B. पुडुचेरी
C. दादरा और नगर हवेली व दमन एवं दीव
D. चंडीगढ़

93. निम्नलिखित में से किसे जुलाई 2020 में भारतीय क्रिकेट कंट्रोल बोर्ड (BCCI) के अंतरिम सीईओ के रूप में नियुक्त किया गया था?
A. हेमंग अमीन
B. सुंदर रमन
C. संतोष रंगनेकर
D. राहुल जौहरी

94. सिंधी कवि और लेखक वासदेव मोही को सरस्वती सम्मान, 2019 के लिए चुना गया था। यह पुरस्कार प्रतिवर्ष _____ द्वारा दिया जाता है।
A. केके बिड़ला फाउंडेशन
B. जेआरडी और सर रतन टाटा ट्रस्ट
C. इंफोसिस फाउंडेशन
D. अजीम प्रेमजी फाउंडेशन

95. भारतीय राष्ट्रीय कांग्रेस की अध्यक्ष चुनी जाने वाली प्रथम महिला कौन थी?
A. इंदिरा गांधी
B. एनी बेसेंट
C. सुचेता कृपलानी
D. नेली सेनगुप्त

96. अंडमान और निकोबार द्वीप समूह में लगभग _____ द्वीप शामिल हैं।
A. 372
B. 472

- C. 572 D. 672

97. भारत ने द्विवार्षिक पर्यावरण प्रदर्शन सूचकांक (EPI 2020) के 12वें संस्करण में _____ स्थान हासिल किया, जिसने 180 देशों के पर्यावरण प्रदर्शन को मापा।

A. 178वां B. 108वां
C. 168वां D. 138वां

98. प्राचीनतम बौद्ध ग्रंथ _____ में लिखे गए थे।

A. पाली B. अपभ्रंश
C. प्राकृत D. संस्कृत

99. निम्नलिखित में से कौन सा पद भारत के संविधान के अनुच्छेद 76 के तहत एक संवैधानिक पद है?

A. अपर सॉलिसिटर जनरल B. भारत के सॉलिसिटर जनरल
C. अपर स्थायी परामर्शदाता D. भारत के महान्यायवादी

100. 14वीं शताब्दी की महिला संत, लाल देद (Lal Ded) सबसे शुरुआती और सबसे प्रसिद्ध _____ कवयित्री थीं।

A. तमिल B. पंजाबी
C. कश्मीरी D. बंगाली

Solutions

1. B

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

Enthrall= something that is so interesting, beautiful etc. that you give it all your attention.

E.g.: This book will **enthral** readers of all ages.

Eject = to force someone to leave a place or position.

Enchant = to attract someone strongly and make them feel very interested, excited etc.

E.g.: We were all **enchanted** with the mountain scenery.

Repel = to successfully fight someone who is attacking you and drive them away.

Incite = to encourage someone to do something violent, illegal or unpleasant, especially by making them angry or excited.

Note: “Incite” may appear to be synonym for “Enthrall” but it reflects the negative sense in its meaning. Thus, “Enchant” with positive meaning is preferred over “Incite”.

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

2. B

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

- The perfect continuous tense (Present, Past, Future) denotes an action continuing from the past into the present. It implies the duration of an action (past to present). The time expression is normally indicated by:

‘Since, for, how long, whole, all, throughout, all along.’

- **For example:**

She **had been drinking** steadily **since** the early morning.

He **had been worrying** ever **since** the letter arrived.

- The given sentence is set in the past tense and the action verb “playing” is continuing from the past into the present. Time expression “since” shows this duration. But we have used the wrong structure of verb in the past perfect continuous tense. Thus, “been” should be used in place of “being”.

- Hence, “**he had been**” is the correct substitution.

Thus, the correct sentence will be:

He said he had been playing tennis since he was eight.

3. C

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

- *Along* = shows in a line that follows the side of something long.
- *Across* = shows from one side to the other side of something.
- *With* = used in phrasal verb “meet with something” to show the unpleasant experience.
- *From* = shows the origin of something.

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

- “*Along*” as a preposition is used to show the movement in a line that follows the side of something long. Thus, option A is incorrect.
- “*Across*” as a preposition is used in context of “movement from one side to another”. Thus, option B is incorrect.
- “*From*” as a preposition is used to show where something starts. Thus, option D is incorrect.
- “*With*” as a preposition is used after the verb “meet” to show the experience of something unpleasant. Here in the given sentence, it is used to mention the unpleasant experience of “accident”.

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

Thus, the correct sentence will be:

He met with an accident a few years ago.

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

4. D

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

- The underlined part needs correction in the infinitive structure (verb) and determiner (adjective).
- A “to-infinitive” clause can express purpose.

For example:

She has gone to town **to do** some shopping.

I'm writing **to enquire** about activity holidays.

- In the underlined part of the given sentence, we have erroneously used the gerund form “buying” to show the purpose. Thus, infinitive structure i.e. “to buy” should be used.
- Also, “few” as a determiner expresses the meaning of “not many”. In the absence of any article like “a” or “the” it shows the negative sense. This negative meaning is not reflected in the sentence because someone goes to the market to buy “some amount of vegetables and milk”. He/She does not go to the market to buy nothing.
- “Some” as a determiner shows “an amount of” when we are not certain about the exact amount of something. In contrast, to “few” it shows the positive sense that goes in line with the meaning of the sentence. Thus, “some” should be used in place of “few”.
- Hence, **“to buy some”** is the correct substitution.

Thus, the correct sentence will be:

I went to the market to buy some vegetables and milk.

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

5. B

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

Isolate = to separate someone/something physically or socially from other people or things.

E.g.: Patients with disease should be **isolated**.

Combine = to come together to form a single thing or group.

Detach = to remove something from something larger.

E.g.: **Detach** the coupon and return it as soon as possible.

Connect = to join together two or more things.

Attach = to fasten or join one thing to another.

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

6. B

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

“Temperature” is the correct spelling of the incorrect word “Temprature”. It means the measurement in degrees of how hot or cold a thing or place is.

The meaning of other words are:

Massive: very large, heavy and solid.

Premium: of high quality.

Gloomy: sad and without hope.

7. D

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

Cherish= to love someone/something very much and want to protect them or it. E.g.: He **cherishes** the hope that one day they will meet again.

Distribute = to give things to a large number of people.

Disperse = to move apart and go away in different directions.

Disturb = to interrupt someone when they are trying to work, sleep etc.

Disregard = to not consider something; ignore.

E.g.: He totally **disregarded** all the advice he was given.

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

8. D

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

- The underlined part needs correction in pronoun.

- “Them” is an objective case of pronoun “They”. We don’t use it as a reflexive pronoun.

Moreover, reflexive pronouns are used when doer of action verb is also the receiver of the action verb.

For example:

If anyone comes in before I get back, ask **them** to wait. [“Them” as objective case]

Did you eat all of **them**? [“Them” as objective case]

They seemed to enjoy **themselves**. [“Themselves” as reflexive pronoun]

The children were arguing amongst **themselves**. [“Themselves” as reflexive pronoun]

- In the underlined part of the given sentence, we have erroneously used “them” as an object to show the sense of a reflexive pronoun because it shows the wrong sense that pilgrims were imposing fine on themselves. So, there is no need to show “them” as an object of verb “were fined”. Moreover, in the passive voice, we need preposition phrase (i.e. “By + actual doer”) after the passive verb. “Thus, “them” should be removed from the sentence.

- Hence, “**were fined**” is the correct substitution.

Thus, the correct sentence will be:

The pilgrims were fined one thousand rupees each for littering around the shrine.

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

9. B

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

“Gaiety” is the correct spelling of the incorrect word “Gaeity”. It means the state of being cheerful and full of fun.

The meaning of other words are:

Hypocrisy: behavior that does not meet the moral standards or match the opinions that someone claims to have.

Probable: likely to happen.

Relevant: closely connected with the subject you are discussing or the situation you are in.

10. A

Sol. Postscript: extra message that you add at the end of a letter after you sign your name.

Abbreviation: a short form of a word.

Attachment: a document that you send to someone using email.

Salutation: the words that are used in a letter to address the person you are writing to.

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

11. C

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

- *And* = (conjunction) means “in addition to”
- *So* = (conjunction) shows the reason for something.
- *If* = (conjunction) is used to introduce the conditional clause.
- *Only* = (conjunction) is used to show the meaning of “except that” or “But”.

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

- “*And*” as a conjunction is used to show “in addition to”. Thus, option A is incorrect.
- “*So*” as a conjunction is used to show “reason”. Thus, option B is incorrect.
- “*Only*” as a conjunction is used to show the meaning of “But”. Thus, option D is incorrect.

- "If" as a conjunction is used to introduce the condition in a conditional clause. Here in the given sentence, it is used to introduce the conditional clause "you promise to work hard". It means the act of "teaching" will depend on the condition i.e. "promise to work hard". Thus, "If" becomes the correct word to fill in the blank.

Thus, the correct sentence will be:

I will teach you if you promise to work hard.

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

12. A

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

- The underlined part needs correction in tense.
- In interrogative sentence, the present continuous tense has a verb structure:
Question word + Helping verb (is/am/are) + Subject + Continuous form of verb (-ing)

For example:

Why are you lurking around outside my house?

Why are you being so objectionable today?

- In the given interrogative sentence, we have used the wrong structure of the present continuous tense.
- We have erroneously used the second form of verb i.e. "stood" which is used in the past tense. The use of the helping verb "are" before the underlined part validates that given sentence is set in the present tense. In the present tense, only the continuous form of verb is possible from the options available in the question. Thus, continuous form of main verb i.e. "standing" should be used in place of second form of verb "stood".
- Hence, "**standing**" is the correct substitution.

Thus, the correct sentence will be:

Why are you standing here at this late hour?

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

13. B

Sol. Bilateral: involving two groups of people or two countries.

Bilingual: able to speak two languages equally well.

Multilingual: able to speak several different languages.

Monolingual: speaking or using only one language.

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

14. C

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

- *Announce* = (verb) to tell something officially, especially about a decision, plans etc.
- *Claim* = (verb) to say that something is true although it has not been proved and other people may not believe it.
- *Boast* = (verb) to talk in a way that shows you are too proud of something that you have or can do.
- *Pretend* = (verb) to behave in a particular way, in order to make other people believe something that is not true.

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

- “*Announce*” as a verb means officially tell someone about a decision. Thus, option A is incorrect.
- “*Claim*” as a verb means to say that something is true although it has not been proved yet. Thus, option B is incorrect.
- “*Pretend*” as a verb means to behave in a way that people believe that something is not actually true. Thus, option D is incorrect.
- “*Boast*” as a verb means to talk in a way that shows you are too proud of something that you have or can do. Here in the given sentence, it means those, who talk proudly about their money and valuable possessions, are not actually rich.

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

Thus, the correct sentence will be:

Those who boast of their riches aren't truly rich.

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

15. C

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

Nab= to catch or arrest someone who is doing something wrong.

E.g.: He was **nabbed** by the police for speeding.

Catch = to stop and hold a moving object or person, especially with your hands.

Grab = to take or hold someone/something with your hand suddenly or roughly.

Free = to allow someone to leave prison or somewhere they have been kept against their will.

E.g.: The hijackers agreed to **free** ten hostages.

Arrest = to take a person to a police station and keep him there because police believe he may be guilty of crime.

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

16. D

Sol. The idiom "**Lean and mean**" means efficient and successful.

Example: They wanted their project to be **lean and mean**.

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

17. A

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

- *Allotted* = (verb) to give something to someone as a share of what is available.
- *Owned* = (verb) to have something that belongs to you.
- *Appointed* = (verb) to choose someone for a job or position of responsibility.
- *Asserted* = (verb) to state clearly and definitely that something is true.

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

- "Owned" as a verb means "possession of something". Thus, option B is incorrect.
- "Appointed" as a verb means to select someone for a position or job. Thus, option C is incorrect.
- "Asserted" as a verb means to mention something as true in a clear and definite tone. Thus, option D is incorrect.
- "Allotted" as a verb means to give something to someone as a share of what is available.

Here in the given sentence, it is used to show that "a separate cabin" was given to each employee of the company.

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

Thus, the correct sentence will be:

They allotted a separate cabin to each employee.

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

18. B

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

- “To” as a preposition is used to show “in the direction of something” or “towards something”.

For example:

His childhood was spent travelling from place **to** place.

She pointed **to** something on the tree.

- “For” as a preposition is used to show “in order to obtain something”.

For example:

He came to me **for** advice.

For more information, call this number.

There are over sixty applicants **for** the job.

- In the given sentence, we need a preposition that shows “little baby” was crying to “obtain a new toy”. The use of preposition “to” is wrong because there is no sense of “direction” in the given sentence.

Thus, preposition “for” should be used in place of preposition “to”.

- Hence, “**for a**” is the correct substitution.

Thus, the correct sentence will be:

The little baby cried loudly for a new toy.

19. A

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

- After an adjective phrase, the infinitive is usually active. If we use a phrase with “by” and “agent”, then the infinitive is passive;

For example:

The piano is too **heavy to move**.

The piano is too heavy **to be moved by one person**.

- In the given sentence, “too big” is an adjective phrase. There is no preposition “by” and the “agent” so it is wrong to use the passive form of infinitive. Thus, the active form of infinitive “to carry” should be used after adjective phrase “too big”.
- Hence, “**to carry**” is the correct substitution.

Thus, the correct sentence will be:

Don't you think this bag is too big to carry?

20. C

Sol. The idiom “**Keep in check**” means to keep something under control so that it does not spread or get worse.

Example: She managed to **keep** her temper **in check**.

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

21. C

Sol. The given passage is about “**How our body utilises our sleeping time?**”.

“Apply” means to make a formal request usually in writing for something. Thus, option A is wrong.

“Delay” means to make someone/something late or force them to do something more slowly.

Thus, option B is wrong.

“Settle” means to put an end to an argument or a disagreement. Thus, option D is wrong.

“Spend” as a verb means to use a time for a particular purpose. In the given sentence, it is used to mention that we use one-third of our life for “sleeping” purpose.

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

22. D

Sol. The given passage is about “**How our body utilises our sleeping time?**”.

“Consume” means to use something especially fuel, energy or time. Thus, option A is wrong.

“Remove” means to take someone/something away from a place. Thus, option B is wrong.

“Dispose” means to arrange things or people in a particular way or position. Thus, option C is wrong.

“Waste” as a verb means to use more of something than is necessary or useful. In the given sentence, it is used in negative sense because adverb “not” is used. Here it means that when

we sleep, our body utilises this time. During this time, it produces energy.

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

23. C

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Where" as an adverb is used to show "in or to what place or situation". Thus, option A is wrong.

"Why" as an adverb is used in questions to ask the reason for or purpose of something. Thus, option B is wrong.

"What" as a pronoun is used in questions to ask for particular information about something/someone. Thus, option D is wrong.

"When" as a conjunction means "at or during the time". In the given sentence, it is used to show that during the time of sleeping, our body does a lot of work.

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

24. B

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Because" as a conjunction means "for the reason that". Thus, option A is wrong.

"Such as" means "for example". Thus, option C is wrong.

"Although" is used for introducing a statement that makes the main statement in a sentence seem surprising. Thus, option D is wrong.

"So that" means "with the purpose that". In the given sentence, it is used to show that our body produces energy at night when we are sleeping. This helps us to get enormous amount of energy in the morning.

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

25. B

Sol. The given passage is about "**How our body utilises our sleeping time?**".

"Memorable" as an adjective means worth remembering especially because of being special or unusual. Thus, option A is wrong.

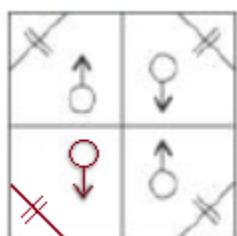
"Occasional" as an adjective means happening or done sometimes but not often. Thus, option C is wrong.

“Restricted” as an adjective means limited or small in size or amount. Thus, option D is wrong.
“Special” as an adjective means more important than others. Here it used an adjective for noun “chemicals”. It means hormones that help in repairing and growth of our body are more important than other hormones.

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

26. B

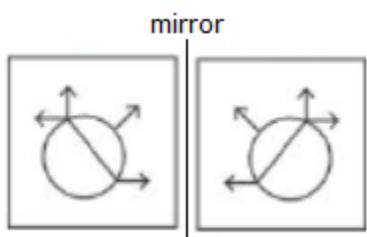
Sol. विकल्प (B) में दी गई आकृति नीचे दर्शाए अनुसार पैटर्न को पूरा करती है:



इसलिए, विकल्प B सही उत्तर है।

27. B

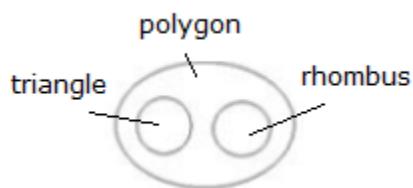
Sol. सही दर्पण प्रतिबिम्ब नीचे दिखाए अनुसार होगा:



इसलिए, विकल्प B सही उत्तर है।

28. B

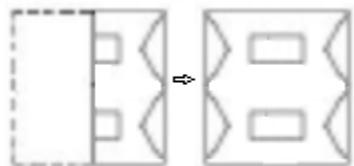
Sol. एक बहुभुज एक समतल आकृति है जिसे एक बंद बहुभुज शरूखला बनाने के लिए जुड़ी हुई सीधी रेखा खंडों की एक सीमित संख्या द्वारा वर्णित किया जाता है। जबकि त्रिभुज और समचतुर्भुज दोनों इसके उदाहरण हैं लेकिन दोनों एक दूसरे से भिन्न हैं।



इसलिए, विकल्प B सही उत्तर है।

29. C

Sol. जब कागज की दी गई शीट को खोला जाता है तो यह नीचे दिखाए अनुसार दिखाई देगी:



इसलिए, विकल्प C सही उत्तर है।

30. B

Sol. दिए गए संख्या कूट और उनके शब्द इस प्रकार हैं:

| | |
|-----------|--------|
| Shahid | 8 या 9 |
| likes | 8 या 9 |
| cakes | 3 |
| are | 7 |
| delicious | 1 |
| we | 2 या 4 |
| girls | 2 या 4 |

'delicious' के लिए कूट '1' है।

इसलिए, विकल्प B सही उत्तर है।

31. C

Sol. पैटर्न इस प्रकार है:

| | | | |
|----|----|----|----|
| 14 | 9 | 3 | 5 |
| N | I | C | E |
| +1 | -2 | +3 | -4 |
| O | G | F | A |

इसी प्रकार,

| | | | |
|----|----|----|----|
| 3 | 15 | 12 | 30 |
| C | O | L | D |
| +1 | -2 | +3 | -4 |
| D | M | O | Z |
| 4 | 13 | 15 | 26 |

इसलिए, विकल्प C सही उत्तर है।

32. D

Sol. यहां कूटबद्ध अक्षर वर्णानुक्रम में उनकी स्थिति के अनुसार विपरीत अक्षर हैं।

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

इस प्रकार, 'HOPE' के लिए कूट 'SLKV' होगा।

इसलिए, विकल्प D सही उत्तर है।

33. A

Sol. यहां 'ejfc' अक्षरों का समुच्चय इस प्रकार दोहराया गया है कि पूर्ण शब्दखला इस प्रकार होगी:

e j f c/ e j f c/ e j f c/ e

इस प्रकार, अक्षरों का सही समुच्चय 'jfecej' होगा।

इसलिए, विकल्प A सही उत्तर है।

34. A

Sol. पैटर्न इस प्रकार है:

| | | | |
|----|----|----|-----|
| B | E | A | M |
| +3 | +6 | +9 | +12 |
| E | K | J | Y |

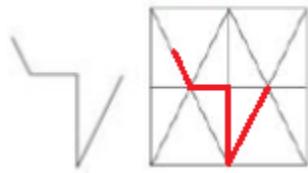
इसी प्रकार,

| | | | |
|----|----|----|-----|
| H | O | L | E |
| +3 | +6 | +9 | +12 |
| K | U | U | Q |

इसलिए, विकल्प A सही उत्तर है।

35. A

Sol. विकल्प आकृति (A) दी गई आकृति में पूरी तरह से अंतर्निहित है:



इसलिए, विकल्प A सही उत्तर है।

36. B

Sol. यहां दिए गए संख्या युग्म का अनुसरण करने वाला पैटर्न इस प्रकार है:

$$9 \times 9 \times 9 = 729; 729 + 5 = 734$$

इस प्रकार समान पैटर्न का अनुसरण संख्या युग्मों द्वारा किया जाता है:

$$(6 : 221), (8 : 517), (7 : 348)$$

लेकिन संख्या युग्म (4 : 71) समान पैटर्न का अनुसरण नहीं करता है।

इसलिए, विकल्प B सही उत्तर है।

37. B

Sol. दिए गए संख्या समुच्चय द्वारा अनुसरण किया जाने वाला पैटर्न (437, 909, 279) है:

$$4 + 3 = 7$$

$$9 + 0 = 9$$

$$2 + 7 = 9$$

इसी प्रकार का पैटर्न संख्या समुच्चय (516, 189, 628) में देखा जाता है;

$$5 + 1 = 6$$

$$1 + 8 = 9$$

$$6 + 2 = 8$$

इसलिए, विकल्प B सही उत्तर है।

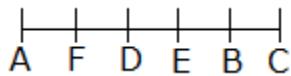
38. D

Sol. साइकिल में पहिए होते हैं जो यह निर्धारित करते हैं कि साइकिल कितनी अच्छी तरह चलती है, उसी तरह एक पक्षी के पंख होते हैं जो उसे उड़ने की क्षमता देते हैं।

इसलिए, विकल्प D सही उत्तर है।

39. A

Sol. दी गई जानकारी के अनुसार व्यवस्था इस प्रकार होगी:



स्पष्ट रूप से, D बाईं ओर से तीसरे स्थान पर है।

इसलिए, विकल्प A सही उत्तर है।

40. C

Sol. संख्याएं जो उनके शब्दों के लिए कूट हैं:

| | |
|------------|--------|
| God | 7 |
| is | 2 |
| great | 4 |
| I | 1 या 3 |
| worship | 1 या 3 |
| omnipotent | 5 |

दिए गए विकल्पों के अनुसार 'worship' के लिए कूट '3' है।

इसलिए, विकल्प C सही उत्तर है।

41. A

Sol. सबसे पहले एक खेत की आवश्यकता होती है, और फिर बीज को खेत में डाला जाता है, उसके बाद खेत में नियमित अंतराल पर पानी डाला जाता है जिसे सिंचाई कहा जाता है, उसके बाद तैयार फसल को एकत्र किया जाता है।

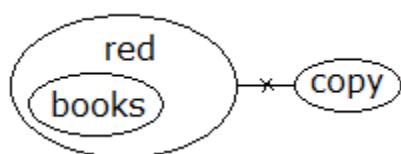
सही क्रम होगा:

II. खेत, IV. बीज, I. सिंचाई, III. कटाई

इसलिए, विकल्प A सही उत्तर है।

42. A

Sol. न्यूनतम संभावित वेन आरेख होगा:



निष्कर्षः

I. कुछ बुक्स, कॉपीज हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

II. कोई बुक, कॉपी नहीं है – यह एक निश्चित मामला है, इसलिए सही है।

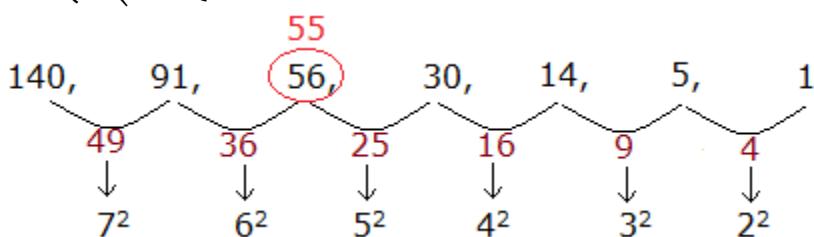
III. सभी कॉपीज, बुक्स हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

इस प्रकार, केवल II अनुसरण करता है।

इसलिए, विकल्प A सही उत्तर है।

43. A

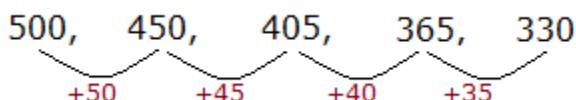
Sol. पैटर्न इस प्रकार है:



इसलिए, विकल्प A सही उत्तर है।

44. B

Sol. पैटर्न इस प्रकार है:



इसलिए, विकल्प B सही उत्तर है।

45. A

Sol. अंधा व्यक्ति प्रकाश को नहीं देख सकता है, उसी प्रकार बहरा व्यक्ति शोर नहीं सुन सकता है।

इसलिए, विकल्प A सही उत्तर है।

46. C

Sol. सभी विकल्पों की जांच करने पर हम पाते हैं कि दिया गया समीकरण विकल्प (C) में दिए गए प्रतीकों द्वारा संतुलित है;

$$11 + 4 \times 3 \div 3 - 7 = 8$$

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

$$\rightarrow 11 + 4 \times 3 \div 3 - 7$$

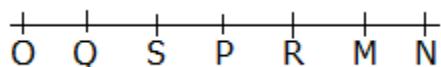
$$\rightarrow 11 + 4 \times 1 - 7$$

$$\rightarrow 11 + 4 - 7 = 8$$

इसलिए, विकल्प C सही उत्तर है।

47. B

Sol. दी गई जानकारी के अनुसार व्यवस्था इस प्रकार होगी:

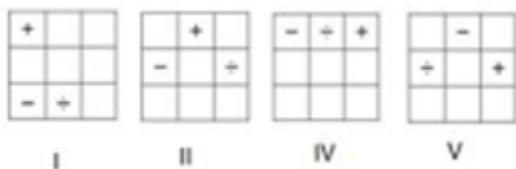


स्पष्ट रूप से, N दाएं छोर पर स्थित है।

इसलिए, विकल्प B सही उत्तर है।

48. B

Sol. तर्कः यहां प्लस (+) का प्रतीक दक्षिणावर्त दिशा में 1 कदम आगे बढ़ता है, माइनस (-) का प्रतीक भी दक्षिणावर्त दिशा में 1 कदम आगे बढ़ता है जबकि भाग (÷) का प्रतीक वामावर्त दिशा में 2 कदम आगे बढ़ता है। इस प्रकार, आकृति (III) को हटाया जा सकता है इस तरह अन्य सभी आकृतियां पैटर्न में फिट हो जाएंगी।



इसलिए, विकल्प B सही उत्तर है।

49. B

Sol. सभी विकल्पों की जांच करने पर हम पाते हैं कि दिया गया समीकरण विकल्प (B) में दिए गए प्रतीकों द्वारा संतुलित होता है;

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

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

$$\rightarrow 8 \times 4 + 7 - 8 \div 2$$

$$\rightarrow 8 \times 4 + 7 - 4$$

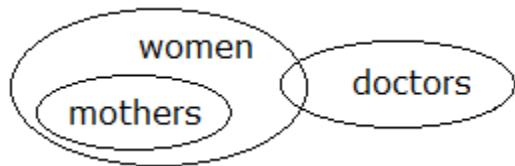
$$\rightarrow 32 + 7 - 4 = 35$$

इस प्रकार, बाईं ओर से = दाईं ओर से

इसलिए, विकल्प B सही उत्तर है।

50. B

Sol. न्यूनतम संभावित वेन-आरेख नीचे दिखाए अनुसार होगा:



निष्कर्षः

I. कोई माता, चिकित्सक नहीं है – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

II. कुछ माताएं, चिकित्सक हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

यहां निष्कर्ष I और II दोनों के पूरक युग्म हैं इसलिए या तो I या II अनुसरण करता है।

इसलिए, विकल्प B सही उत्तर है।

51. C

Sol. दिया है:

एक व्यक्ति 1800 मीटर लंबी सड़क को 6 मिनट में पार करता है।

$$\text{इसलिए, व्यक्ति की गति} = \frac{\frac{1800}{1000}}{\frac{6}{60}} = 1.8 \times 10 = 18 \text{ किमी/घंटा}$$

अतः विकल्प C सही उत्तर है।

52. C

Sol. माना प्रारंभिक मूल्य $100x$ है।

तब, 10% की पहली छूट के बाद मूल्य

$$= (100x) - (100x) \times 10\% = 100x - 10x = 90x$$

15% की दूसरी छूट के बाद मूल्य

$$= (90x) - (90x) \times 15\% = 90x - 13.5x = 76.5x$$

और 18% की छूट के बाद अंतिम मूल्य

$$= (76.5x) - (76.5x) \times 18\% = 76.5x - 13.77x = 62.73x$$

$$\text{इसलिए, } 10\%, 15\% \text{ और } 18\% \text{ की लगातार तीन छूटों के बराबर प्रभावी छूट} = \left(\frac{100x - 62.73x}{100x} \right) \times 100 = \left(\frac{37.27x}{100x} \right) \times 100$$

$$= 37.27\%$$

अतः विकल्प C सही उत्तर है।

53. D

Sol. माना कुल कार्य $30x$ इकाई है।

$$\text{तब, A की कुशलता} = 30x/10 = 3x \text{ इकाई/दिन},$$

$$\text{B की कुशलता} = 30x/15 = 2x \text{ इकाई/दिन}$$

$$\text{तथा C की कुशलता} = 30x/30 = x \text{ इकाई/दिन}$$

$$\text{A द्वारा 3 दिनों में किया गया कार्य} = (3x) \times 3 = 9x \text{ इकाई}$$

$$\text{तीसरे दिन B और C द्वारा किया गया कार्य} = 2x + x = 3x \text{ इकाई}$$

$$\text{इसलिए, 3 दिनों में किया गया कुल कार्य} = 9x + 3x = 12x \text{ इकाई}$$

यह कार्य का 40% है।

अतः विकल्प D सही उत्तर है।

54. B

Sol. तीनों वस्तुओं का कुल लागत मूल्य $= 3 \times 180 = 540$ रुपये

$$\text{पूरे लेन-देन पर 20% का लाभ प्राप्त करने के लिए कुल बिक्री मूल्य} = 540 + 540 \times 20\%$$

$$= 540 + 108 = 648 \text{ रुपये}$$

$$\text{पहली वस्तु का विक्रय मूल्य (10% हानि पर बेचा गया)} = 180 - 180 \times 10\%$$

$$= 180 - 18 = 162 \text{ रुपये}$$

$$\text{शेष दो वस्तुओं का अभीष्ट विक्रय मूल्य} = 648 - 162 = 486 \text{ रुपये}$$

$$\text{वस्तु का विक्रय मूल्य} = 486/2 = 243 \text{ रुपये}$$

$$\text{लाभ (\%)} = \frac{243 - 180}{180} \times 100 = \frac{63}{180} \times 100 = 35\%$$

अतः विकल्प B सही उत्तर है।

55. C

Sol. 2014 की तुलना में 2015 में राजस्व में प्रतिशत वृद्धि

$$= \frac{300 - 260}{260} \times 100 = \frac{40}{260} \times 100 = 15.38\%$$

2015 की तुलना में 2016 में राजस्व में प्रतिशत वृद्धि

$$= \frac{340 - 300}{300} \times 100 = \frac{40}{300} \times 100 = 13.33\%$$

2016 की तुलना में 2017 में राजस्व में प्रतिशत वृद्धि

$$= \frac{350 - 340}{340} \times 100 = \frac{10}{340} \times 100 = 2.94\%$$

2017 की तुलना में 2018 में राजस्व में प्रतिशत वृद्धि

$$= \frac{375 - 350}{350} \times 100 = \frac{25}{350} \times 100 = 7.14\%$$

इसलिए, 2015 में पिछले वर्ष की तुलना में राजस्व में प्रतिशत वृद्धि अधिक है।

अतः विकल्प C सही उत्तर है।

56. B

Sol. 2015 और 2017 में कुल खर्च = $250 + 275 = 525$ करोड़ रुपये

2016 और 2018 में कंपनी का कुल राजस्व = $340 + 375 = 715$ करोड़ रुपये

अभीष्ट अनुपात

525 : 715

105 : 143

अतः विकल्प B सही उत्तर है।

57. D

Sol. 2014, 2016 और 2018 में राजस्व का औसत = $\frac{260 + 340 + 375}{3} = \frac{975}{3}$

= 325 करोड़ रुपये

$$\text{अभीष्ट प्रतिशत} = \frac{340 - 325}{325} \times 100 = \frac{15}{325} \times 100 = 4.62\% \text{ or } 5\%$$

अतः विकल्प D सही उत्तर है।

58. B

Sol. दिया है:

मैदान का क्षेत्रफल = 3850 वर्ग मीटर

$$\Rightarrow \pi r^2 = 3850$$

$$\Rightarrow r^2 = \frac{3850 \times 7}{22}$$

$$\Rightarrow r^2 = 1225$$

$$\Rightarrow r = \sqrt{1225} = 35 \text{ मी}$$

वृत्ताकार मैदान का परिमाप = $2\pi r$

$$= 2 \times \frac{22}{7} \times 35 = 220 \text{ मी}$$

चारों ओर बाड़ लगाने की लागत = परिधि × एक मीटर बाड़ की लागत

$$= 220 \times 11 = 2420 \text{ रुपये}$$

अतः विकल्प B सही उत्तर है।

59. D

Sol. दिया है:

मूलधन = 20000 रुपये, समय = $1\frac{1}{2}$ वर्ष तथा ब्याज दर = 10% प्रति वर्ष

साधारण ब्याज = $P \times R \times T = 20000 \times 10\% \times 1.5 = 3000 \text{ रुपये}$

चक्रवृद्धि ब्याज (छमाही संयोजित) = $P \times (1 + R)^T - P$

$$= 20000 \times (1 + 0.05)^3 - 20000$$

$$= 20000 \times (1.05)^3 - 20000$$

$$= 23152.5 - 20000$$

= 3152.5 रुपये

दोनों ब्याजों के बीच अंतर = $3152.5 - 3000 = 152.5$ रुपये

अतः विकल्प D सही उत्तर है।

60. B

Sol. माना लड़की की प्रारंभिक आय $100x$ रुपये है।

तब, उसका खर्च = $(100x) \times 80\% = 80x$ रुपये

तथा उसकी बचत = $100x - 80x = 20x$ रुपये

तथा आय में वृद्धि = $(100x) + (100x) \times 18\% = 100x + 18x = 118x$ रुपये

तथा खर्च में वृद्धि = $(80x) + (80x) \times 25\% = 80x + 20x = 100x$ रुपये

नई बचत = $118x - 100x = 18x$ रुपये

बचत में कमी (%) में = $\left(\frac{20x - 18x}{20x}\right) \times 100 = \left(\frac{2x}{20x}\right) \times 100 = 10\%$

अतः विकल्प B सही उत्तर है।

61. B

Sol. दिया है:

100 वस्तुओं का माध्य 51 है

वस्तुओं का योग = $100 \times 51 = 5100$

हालाँकि, तीन संख्याएँ गलत हैं,

इसलिए, वस्तुओं का सही योग = $5100 - 40 - 20 - 50 - 50 + 70 + 60 = 5170$

इसलिए, सही माध्य = $\frac{5170}{100} = 51.7$

अतः विकल्प B सही उत्तर है।

62. B

Sol. दिया है:

फर्श का क्षेत्रफल = चारों दीवारों के क्षेत्रफल का योग

$$\Rightarrow \text{लम्बाई} \times \text{चौड़ाई} = 2 \times (\text{लम्बाई} + \text{चौड़ाई}) \times \text{ऊँचाई}$$

$$\Rightarrow 18 \times 12 = 2 (18 + 12) \times \text{ऊँचाई}$$

$$\Rightarrow \text{ऊँचाई} = 216/60 = 3.6 \text{ मी}$$

तथा, हॉल का आयतन = लम्बाई × चौड़ाई × ऊँचाई

$$= 18 \times 12 \times 3.6 = 777.6 \text{ मी}^2$$

अतः विकल्प B सही उत्तर है।

63. D

Sol. माना A की आय $6x$ रुपये है।

$$\text{तब, B की आय} = (6x) \times \frac{11}{6} = 11x \text{ रुपये}$$

तथा, प्रश्नानुसार,

$$\frac{6x - 9000}{11x - 11500} = \frac{1}{2}$$

$$\Rightarrow 12x - 18000 = 11x - 11500$$

$$\Rightarrow 12x - 11x = 18000 - 11500$$

$$\Rightarrow x = 6500$$

$$\text{तथा, B का खर्च} = 11x - 11500$$

$$= 11 \times 6500 - 11500$$

$$= 71500 - 11500 = 60000 \text{ रुपये}$$

अतः विकल्प D सही उत्तर है।

64. A

Sol. माना A की आय $3x$ है।

$$\text{तब, B की आय} = (3x) \times \frac{4}{3} = 4x \text{ रुपये}$$

$$\text{तथा, B का खर्च} = 3x/3 = x \text{ रुपये}$$

$$\text{और A का खर्च} = (x) \times \frac{9}{5} = 1.8x \text{ रुपये}$$

$$A \text{ की बचत} = 3x - 1.8x = 1.2x \text{ रुपये}$$

$$\text{तथा B की बचत} = 4x - x = 3x \text{ रुपये}$$

A और B की बचत का अनुपात

$$1.2x : 3x$$

$$2 : 5$$

अतः विकल्प A सही उत्तर है।

65. D

Sol. माना कि 6 व्यक्तियों का पुराना औसत भार x किग्रा है और नए व्यक्ति का भार y है।

$$\text{तब, नया औसत भार} = (x - 2.5) \text{ किग्रा}$$

प्रश्नानुसार,

$$6x - 70 + y = 6(x - 2.5)$$

$$\Rightarrow 6x - 70 + y = 6x - 15$$

$$\Rightarrow y = 70 - 15$$

$$\Rightarrow y = 55$$

इसलिए, नये व्यक्ति का भार 55 किग्रा है।

अतः विकल्प D सही उत्तर है।

66. B

$$\text{Sol. } \left[8 \times 5 - 3 \text{ का} \left(2 \frac{3}{5} \div 1 \frac{2}{5} \times 5 - 3 \right) \right] \times \frac{7}{2}$$

$$= \left[8 \times 5 - 3 \text{ का} \left(\frac{13}{5} \div \frac{7}{5} \times 5 - 3 \right) \right] \times \frac{7}{2}$$

$$= \left[8 \times 5 - 3 \text{ का} \left(\frac{13}{5} \times \frac{5}{7} \times 5 - 3 \right) \right] \times \frac{7}{2}$$

$$= \left[8 \times 5 - 3 \text{ का} \left(\frac{65}{7} - 3 \right) \right] \times \frac{7}{2}$$

$$= \left[8 \times 5 - 3 \text{ का} \left(\frac{44}{7} \right) \right] \times \frac{7}{2}$$

$$= \left[40 - \frac{132}{7} \right] \times \frac{7}{2}$$

$$= \left[\frac{280 - 132}{7} \right] \times \frac{7}{2}$$

$$= \left[\frac{148}{7} \right] \times \frac{7}{2}$$

$$= 74$$

अतः विकल्प B सही उत्तर है।

67. B

Sol. दिया है:

एक लम्ब वृत्तीय शंकु का वक्र पृष्ठीय क्षेत्रफल = 65π सेमी²

$$\Rightarrow \pi rl = 65\pi$$

$$\Rightarrow 5l = 65$$

$$\Rightarrow l = 65/5 = 13 \text{ सेमी}$$

$$\text{अब, शंकु की ऊँचाई} = \sqrt{l^2 - r^2} = \sqrt{13^2 - 5^2} = \sqrt{169 - 25} = \sqrt{144} = 12 \text{ सेमी}$$

$$\text{तथा, शंकु के आयतन का } 40\% = \frac{1}{3}\pi r^2 h \times 40\%$$

$$= \frac{1}{3} \pi \times 5^2 \times 12 \times 40\%$$

$$= 40\pi$$

अतः विकल्प B सही उत्तर है।

68. D

Sol. माना तीसरी संख्या $100x$ है।

$$\text{तब, पहली संख्या} = (100x) - (100x) \times 17\% = 100x - 17x = 83x$$

$$\text{और दूसरी संख्या} = (100x) - (100x) \times 50\% = 100x - 50x = 50x$$

दो संख्याओं का अनुपात

$$83x : 50x$$

$$83 : 50$$

अतः विकल्प D सही उत्तर है।

69. A

Sol. दिया है:

3 वर्षों के लिए दोनों निवेशों पर अर्जित कुल ब्याज = 3,750 रुपये

$$\Rightarrow 6500 \times (x)\% \times 3 + 7500 \times (x-2)\% \times 3 = 3750$$

$$\Rightarrow 195x + 225x - 450 = 3750$$

$$\Rightarrow 420x = 3750 + 450$$

$$\Rightarrow x = 4200/420$$

$$\Rightarrow x = 10$$

इसलिए, दूसरे निवेश पर ब्याज दर 8% (10 - 2) है।

अतः विकल्प A सही उत्तर है।

70. C

Sol. दिया है:

$$30 \times \text{क्रय मूल्य} = 24 \times \text{विक्रय मूल्य}$$

$$\Rightarrow \frac{CP}{SP} = \frac{24}{30}$$

$$\Rightarrow \frac{CP}{SP} = \frac{4}{5}$$

$$\text{इसलिए, लाभ प्रतिशत (x)} = \frac{5-4}{4} \times 100 = \frac{1}{4} \times 100 = 25\%$$

इसलिए x का मान 25% है

अतः विकल्प C सही उत्तर है।

71. C

Sol. माना कार की चाल x किमी/घंटा है।

$$\text{तब, ट्रेन की गति} = (x) + (x) \times 40\% = x + 0.4x = 1.4x \text{ किमी/घंटा}$$

तथा प्रश्नानुसार,

$$\frac{70}{x} - \frac{70}{1.4x} = \frac{15}{60}$$

$$\Rightarrow \frac{70}{x} - \frac{50}{x} = \frac{1}{4}$$

$$\Rightarrow \frac{70-50}{x} = \frac{1}{4}$$

$$\Rightarrow \frac{20}{x} = \frac{1}{4}$$

$$\Rightarrow x = 20 \times 4 = 80$$

अतः ट्रेन की गति 112 किमी (1.4×80) है।

अतः विकल्प C सही उत्तर है।

72. C

Sol. माना कुल कार्य $60x$ इकाई है।

$$\text{तब, A और B की संयुक्त दक्षता} = 60x/20 = 3x \text{ इकाई/दिन},$$

तथा A की कुशलता = $60x/60 = x$ इकाई/दिन

इसलिए, B की कुशलता = $3x - x = 2x$ इकाई/दिन

अब यह द्वारा कार्य को पूरा करने में लिया गया समय = $60x/2x = 30$ दिन

अतः विकल्प C सही उत्तर है।

73. D

Sol. 8, 12, 30, 36 से विभाज्य न्यूनतम संख्या और 45 संख्याओं का LCM होगा।

8, 12, 30, 36 और 45 का LCM = $2^3 \times 3^2 \times 5$

हालांकि, यह पूर्ण वर्ग नहीं है क्योंकि 2 और 5 की घात विषम है।

अब, हम 2 और 5 की घातों को बढ़ाकर इसे एक पूर्ण वर्ग बना देंगे।

और संख्या (x) होगी $2^4 \times 3^2 \times 5^2 = 3600$

x के मान के अंकों का योग = $3 + 6 + 0 + 0 = 9$

अतः विकल्प D सही उत्तर है।

74. C

Sol. दिया है:

पांच महीने की बिक्री 9,435 रुपये, 9,927 रुपये, 9,855 रुपये, 9,230 रुपये तथा 9,562 रुपये

पांच महीने की कुल बिक्री = $9435 + 9927 + 9855 + 9230 + 9562 = 48009$ रुपये

छह महीने में कुल अभीष्ट बिक्री, औसतन 9500 रुपये

= $6 \times 9500 = 57000$ रुपये

छठवें महीने में अभीष्ट बिक्री = $57000 - 48009 = 8991$ रुपये

अतः विकल्प C सही उत्तर है।

75. D

Sol. $4\frac{2}{5} \div \left\{ \left(1\frac{1}{2} - 3\frac{1}{5} \right) \div 3\frac{2}{5} + \left(2\frac{1}{5} \div 1\frac{1}{2} + 4\frac{2}{5} \right) + \frac{1}{2} \right\}$

$$\begin{aligned}
 &= \frac{22}{5} \div \left\{ \left(\frac{3}{2} - \frac{16}{5} \right) \div \frac{17}{5} + \left(\frac{11}{5} \div \frac{3}{2} + \frac{22}{5} \right) + \frac{1}{2} \right\} \\
 &= \frac{22}{5} \div \left\{ \left(\frac{15 - 32}{10} \right) \times \frac{5}{17} + \left(\frac{11}{5} \times \frac{2}{3} + \frac{22}{5} \right) + \frac{1}{2} \right\} \\
 &= \frac{22}{5} \div \left\{ \left(\frac{-17}{10} \right) \times \frac{5}{17} + \left(\frac{22}{15} + \frac{22}{5} \right) + \frac{1}{2} \right\} \\
 &= \frac{22}{5} \div \left\{ \left(\frac{-17}{10} \right) \times \frac{5}{17} + \left(\frac{22 + 66}{15} \right) + \frac{1}{2} \right\} \\
 &= \frac{22}{5} \div \left\{ \frac{-1}{2} + \frac{88}{15} + \frac{1}{2} \right\} \\
 &= \frac{22}{5} \times \frac{15}{88} \\
 &= \frac{3}{4}
 \end{aligned}$$

अतः विकल्प D सही उत्तर है।

76. C

Sol. • भारत के संविधान के अनुच्छेद 343 (1) में प्रावधान है कि देवनागरी लिपि में हिंदी संघ की राजभाषा होगी।

- अनुच्छेद 343 (2) यह है कि राष्ट्रपति उक्त अवधि के दौरान आदेश द्वारा अंग्रेजी भाषा के अलावा हिंदी भाषा के उपयोग को अधिकृत कर सकते हैं।
- अनुच्छेद 343 (3) संसद को पंद्रह वर्ष की अवधि से आगे अंग्रेजी के उपयोग की अनुमति देने के लिए कानून लाने की अनुमति देता है।
- अनुच्छेद 344 राजभाषा पर आयोग और संसद की समिति से संबंधित है।
- भारतीय संविधान के अनुच्छेद 343 में कहा गया है कि संघ की राजभाषा वर्तमान अंग्रेजी के स्थान पर देवनागरी लिपि हिंदी में है।

77. C

Sol. • फकीर हसन (**Fakir Hassen**) '150 इयर्स ऑफ सेलिब्रेटिंग द महात्मा - द साउथ अफ्रीकन लिगेसी' पुस्तक के लेखक हैं।

- पुस्तक '150 इयर्स ऑफ सेलिब्रेटिंग द महात्मा - द साउथ अफ्रीकन लिगेसी' 160 पन्नों की कॉफी टेबल है।
- यह रिकॉर्ड करता है कि कैसे गांधी की गतिविधियों के स्मरणोत्सव, उनके जन्म और मृत्यु वर्षगाँठ सहित, केवल स्थानीय भारतीय समुदाय तक ही सीमित थे।

- फ्रेडरिक टुटेन (**Frederic Tuten**) एक अमेरिकी उपन्यासकार, लघु कथाकार और निबंधकार हैं।
- उन्हें तीन पुष्कार्ट पुरस्कार (**Pushcart Prize**) और एक ओ हेनरी पुरस्कार (**O. Henry Prize**) से सम्मानित किया गया था।
- डेनियल वुड्रेल (**Daniel Woodrell**) अमेरिका के अत्यधिक सम्मानित लेखकों में से एक हैं।

78. D

Sol. • मीथेन प्राकृतिक गैस का सबसे बड़ा घटक है।

- यह दूसरी सबसे महत्वपूर्ण मानवजनित ग्रीनहाउस गैस है।
- मेथनॉल मुख्य रूप से कार्बन मोनोऑक्साइड के हाइड्रोजनीकरण द्वारा औद्योगिक रूप से उत्पादित किया जाता है।
- इसे बुड़ अल्कोहल के रूप में भी जाना जाता है और इसे 1992 के ऊर्जा नीति अधिनियम के तहत एक वैकल्पिक ईंधन माना जाता है।
- इथेनॉल औद्योगिक और उपभोक्ता उत्पादों में उपयोग किए जाने वाले सबसे बड़े मात्रा में कार्बनिक रसायनों में से एक है।
- यह अनाज (ग्रेन) अल्कोहल है जिसे गैसोलीन के साथ मिश्रित किया जा सकता है और मोटर वाहनों में उपयोग किया जा सकता है।

79. D

Sol. • अकबर ने शेख सलीम चिश्ती (**Sheikh Salim Chisti**) के सम्मान में फतेहपुर सीकरी का निर्माण करवाया।

- शेख सलीम चिश्ती (**Shaikh Salim Chishti**) भारत में मुगल काल के सबसे सम्मानित सूफी संतों में से एक हैं।
- फतेहपुर सीकरी 1571 से 1585 तक मुगल साम्राज्य की अल्पकालिक राजधानी थी।
- इसे 1986 में यूनेस्को की विश्व धरोहर स्थल का दर्जा दिया गया था।
- शेख निज़ामत उल्लाह (**Sheikh Nizamat Ullah**) को सबसे प्रसिद्ध मराठी मुस्लिम कवि माना जाता है।
- अकबर मुगल साम्राज्य के सबसे महान सम्राटों में से एक था।

80. A

Sol. • बुध का अपना कोई उपग्रह नहीं है।

- यह हमारे सौरमंडल का सबसे छोटा ग्रह है और यह सूर्य के सबसे निकट का ग्रह है।
- बृहस्पति सूर्य से पांचवां और सौरमंडल का सबसे बड़ा ग्रह है।
- इसमें संयुक्त रूप से अन्य सभी सौर मंडल के ग्रहों के द्रव्यमान का दोगुना से अधिक शामिल है।

- शनि अपने भूमध्य रेखा को घेरने वाले चमकीले, सुंदर छल्लों के लिए जाना जाता है।

- मंगल, सूर्य से चौथा ग्रह है और सौरमंडल का दूसरा सबसे छोटा ग्रह है।

81. C

Sol. • माइटोकॉन्ड्रिया को 'कोशिका का बिजलीघर' कहा जाता है।

- यह अधिकांश यूक्रेनियोटिक (**eukaryotic**) जीवों में पाया जाने वाला एक डबल-शिल्ली-बाध्य अंग (**double-membrane-bound organelle**) है।

- वे यूक्रेनियोटिक कोशिकाओं में चयापचय ऊर्जा के निर्माण में महत्वपूर्ण भूमिका निभाते हैं।

- प्लाज्मा शिल्ली एक लचीली और लिपिड बाईलेयर (**lipid bilayer**) होती है जो कोशिका के कोशिका द्रव्य को घेरती है और उसमें रहती है।

- श्वेत रक्त कोशिकाएं शरीर की प्रतिरक्षा प्रणाली का हिस्सा होती हैं और इन्हें ल्यूकोसाइट्स (**leukocytes**) या ल्यूकोसाइट्स (**leucocytes**) भी कहा जाता है।

- लाल रक्त कोशिकाएं ऑक्सीजन के परिवहन के लिए रक्त में मौजूद कोशिकाएं हैं और रक्त का महत्वपूर्ण तत्व हैं।

82. C

Sol. • सिरका में एसिटिक एसिड होता है।

- यह एसिटिक एसिड और जल का संयोजन है जो दो चरणों वाली किण्वन प्रक्रिया द्वारा बनाया जाता है।

- एसिटिक एसिड दूसरा सबसे सरल कार्बोकिजिलिक एसिड (**carboxylic acid**) है और यह एक महत्वपूर्ण रासायनिक अभिकर्मक और औद्योगिक रसायन है।

- नाइट्रिक एसिड सबसे व्यापक रूप से उपयोग किए जाने वाले पाचन अभिकर्मकों में से एक है और कार्बनिक पदार्थों के अपघटन के लिए सबसे व्यापक रूप से उपयोग किया जाने वाला प्राथमिक ऑक्सीडेंट है।

- साइट्रिक एसिड दुर्बल एसिड है जो सभी खट्टे फलों में स्वाभाविक रूप से पाया जाता है और यह खाद्य उद्योग में सबसे व्यापक रूप से इस्तेमाल किया जाने वाला एसिड है।

- टार्टरिक एसिड का व्यापक रूप से कार्बोनेटेड पेय, चमकदार गोलियों, जिलेटिन डेस्ट और फ्रूट जेली में एक एसिडुलेंट के रूप में उपयोग किया जाता है।

83. B

Sol. • एन्थ्रेसाइट कच्चे तेल से बना उत्पाद नहीं है।

- यह कोयले की एक कठोर, कॉम्पैक्ट किस्म है जिसमें सबमेटेलिक चमक होती है।
- यह सबसे अधिक रूपांतरित प्रकार का कोयला है जिसमें कार्बन की मात्रा 86% से 97% के बीच होती है।
- कच्चा तेल, प्राकृतिक रूप से पाया जाने वाला, पीले-काले रंग का तरल है जो भूवैज्ञानिक संरचनाओं में पाया जाता है।
- डामर पेट्रोलियम का एक चिपचिपा, काला, अर्ध-ठोस रूप है, जिसे समुच्चय को एक साथ बांधने के लिए उपयोग किया जाता है।
- गैसोलीन एक पारदर्शी, पेट्रोलियम-व्युत्पन्न ज्वलनशील तरल है और इसका मुख्य रूप से अधिकांश स्पार्क-प्रज्वलित आंतरिक दहन इंजनों में ईंधन के रूप में उपयोग किया जाता है।

84. D

Sol. • बाघ गुफाएं, मध्य प्रदेश में स्थित भारतीय रॉक-कट वास्तुकला का एक अद्भुत अवशेष हैं।

• बाघ गुफाएं नौ चट्टानों को काटकर बनाए गए स्मारकों का एक समूह हैं।

• ये उल्लेखनीय और रोचक रॉक-कट मंदिर और मठ नर्मदा घाटी में स्थित हैं।

• मध्य प्रदेश क्षेत्रफल के हिसाब से दूसरा सबसे बड़ा भारतीय राज्य है और जनसंख्या के हिसाब से पाँचवाँ सबसे बड़ा राज्य है।

• इसके पास भारत में हीरे और तांबे का सबसे बड़ा भंडार है।

85. D

Sol. • जून 2020 में शुरू किया गया अर्बन लर्निंग इंटर्नशिप प्रोग्राम (TULIP) मानव संसाधन विकास मंत्रालय (MHRD) और आवास एवं शहरी मामलों के मंत्रालय (MoHUA) की एक संयुक्त पहल है।

• इसका उद्देश्य देश भर के सभी शहरी स्थानीय निकायों और स्मार्ट शहरों में 25,000 नए स्नातकों को इंटर्नशिप के अवसर प्रदान करना है।

• उम्मीद है कि इस कार्यक्रम के तहत पहले वर्ष में ही 25000 नए स्नातकों को इंटर्नशिप का मौका मिलेगा।

• TULIP पोर्टल को अखिल भारतीय तकनीकी शिक्षा परिषद द्वारा विकसित किया गया है।

• आवास एवं शहरी मामलों का मंत्रालय राष्ट्रीय स्तर पर शहरी विकास कार्यों के समन्वय के लिए जिम्मेदार नोडल मंत्रालय है।

86. D

Sol. • जोग जलप्रपात (Jog Waterfall) कर्नाटक में स्थित है।

- यह पश्चिमी घाट में स्थित शरवती नदी पर स्थित जलप्रपात है।
- यह भारत का दूसरा सबसे ऊँचा जलप्रपात और भारत का तीसरा सबसे ऊँचा जलप्रपात है।
- यह एक खंडीय जलप्रपात है जो वर्षा और मौसम के आधार पर गोता लगाने वाला जलप्रपात बन जाता है।
- कर्नाटक मुख्य रूप से अपने विरासत स्थलों और अपने वन्यजीव / राष्ट्रीय उद्यानों के लिए जाना जाता है।
- यह अपने सॉफ्टवेयर उद्योग और अब जैव प्रौद्योगिकी के लिए जाना जाता है।

87. B

Sol. • रोहित शर्मा को 2020 में 'राजीव गांधी खेल रत्न पुरस्कार' मिला।

- वह भारतीय राष्ट्रीय टीम के वर्तमान कप्तान हैं।
- उन्हें सीमित ओवरों के क्रिकेट में सबसे उत्कृष्ट बल्लेबाजों में से एक माना जाता है।
- राजीव गांधी खेल रत्न पुरस्कार युवा मामले और खेल मंत्रालय द्वारा प्रतिवर्ष दिया जाता है।
- सचिन तेंदुलकर को क्रिकेट के इतिहास में सबसे महान बल्लेबाजों में से एक माना जाता है।
- सुरेश रैना एकमात्र भारतीय हैं जिन्होंने खेल के सभी प्रारूपों में शतक लगाया है।
- महेंद्र सिंह धोनी क्रिकेट के सर्वश्रेष्ठ फिनिशरों में से एक हैं।

88. A

Sol. • किसी राज्य के राज्यपाल के रूप में नियुक्ति के लिए भारत के संविधान द्वारा निर्धारित न्यूनतम आयु 35 वर्ष है।

- भारत के राज्यों के राज्यपालों के पास राज्य स्तर पर समान शक्तियाँ और कार्य होते हैं जो केंद्रीय स्तर पर भारत के राष्ट्रपति के होते हैं।
- वह नाममात्र के मुखिया के रूप में कार्य करते हैं जबकि वास्तविक शक्ति राज्यों के मुख्यमंत्रियों के पास होती है।
- किसी राज्य के राज्यपाल की नियुक्ति भारत के राष्ट्रपति द्वारा की जाती है।

- राज्यपाल का प्राथमिक कार्य संविधान और कानून की सुरक्षा, संरक्षण एवं बचाव करना है।

89. C

Sol. • केंद्रीय बजट, 2020-21 ने बैंक जमा के लिए जमा बीमा कवरेज को बढ़ाकर 5 लाख रुपये प्रति जमाकर्ता कर दिया।

- सभी बीमित बैंकों के लिए जमा बीमा प्रीमियम अनिवार्य है।

- यह बैंकों द्वारा जमा बीमा और ऋण गारंटी निगम को भुगतान किया जाता है और जमाकर्ताओं से वसूल नहीं किया जाता है।
- केंद्रीय बजट भारत की वार्षिक वित्तीय रिपोर्ट है, जो समय-समय पर सरकार की आय और व्यय का अनुमान है।
- स्वतंत्र भारत का पहला केंद्रीय बजट 26 नवंबर 1947 को आरके शनमुखम चेट्टी (Shanmukham Chetty) द्वारा प्रस्तुत किया गया था।

90. A

Sol. • चेराव (Cheraw) मिजोरम का पारंपरिक बांस नृत्य है।

- इसे मिजोरम के सबसे पुराने नृत्यों में से एक माना जाता है।
- यह बांस की डंडियों के उपयोग की विशेषता है जो जमीन पर क्रॉस और क्लैतिज रूपों में रखी जाती हैं।
- यह मिजोरम के लगभग हर त्योहार का एक अभिन्न अंग बन गया है।
- यह मिजोरम का सबसे प्रसिद्ध और सुंदर नृत्य है।
- मिजोरम नीले पहाड़ों की भूमि है और इसे भारत के सबसे अनुशासित राज्यों में से एक के रूप में जाना जाता है।

91. D

Sol. • काकीनाडा, जिसे भारत के गैस पाइपलाइन नेटवर्क में एक विशेष स्थान प्राप्त है, आंध्र प्रदेश में स्थित है।

- पूर्व-पश्चिम (ईस्ट-वेस्ट) गैस पाइपलाइन काकीनाडा से भरुच तक गैस परिवहन के लिए लागू की जाने वाली एक परियोजना है, जिसमें मार्ग में विभिन्न स्पर्स और इंटरकनेक्ट शामिल हैं।
- यह भारतीय राज्यों आंध्र प्रदेश, तेलंगाना, कर्नाटक, महाराष्ट्र और गुजरात से होकर गुजरती है।
- यह इंडिया इंफ्रास्ट्रक्चर ट्रस्ट की पूर्ण स्वामित्व वाली सहायक कंपनी है जिसका स्वामित्व ब्रूकफील्ड एसेट मैनेजमेंट के पास है।
- यह परियोजना भारत में पहली और सबसे बड़ी निजी स्वामित्व वाली क्रॉस-कंट्री पाइपलाइन है।
- यह भारत के बढ़ते प्राकृतिक गैस गिर्ड की रीढ़ है।

92. A

Sol. • लक्ष्मीप क्षेत्रफल की दृष्टि से भारत का सबसे छोटा केंद्र शासित प्रदेश है।

- इसका कुल सतह क्षेत्र सिर्फ 32 किमी² है और यह अरब सागर में 36 द्वीपों का एक द्वीपसमूह है।
- यह विश्व की सबसे शानदार उष्णकटिबंधीय द्वीप प्रणालियों में से एक है।

- केंद्र शासित प्रदेश पुडुचेरी भारतीय प्रायद्वीप के दक्षिणी भाग में स्थित है।
- स्वतंत्रता के बाद के भारत में चंडीगढ़ प्रारंभिक नियोजित शहरों में से एक है।
- यह अंतर्राष्ट्रीय स्तर पर अपनी वास्तुकला और शहरी डिजाइन के लिए जाना जाता है।

93. A

Sol. • हेमंग अमीन (**Hemang Amin**) को जुलाई 2020 में भारतीय क्रिकेट कंट्रोल बोर्ड (BCCI) के अंतरिम सीईओ के रूप में नियुक्त किया गया था।

- भारतीय क्रिकेट कंट्रोल बोर्ड भारत में क्रिकेट के लिए शासी निकाय है।
- यह युवा मामले और खेल मंत्रालय, भारत सरकार के अधिकार क्षेत्र में है।
- सुंदर रमन एक भारतीय खेल व्यवसाय पेशेवर हैं और वे वर्तमान में रिलायंस इंडस्ट्रीज लिमिटेड के साथ इसके सीईओ - स्पोर्ट्स के रूप में कार्यरत हैं।
- राहुल जौहरी भारतीय क्रिकेट कंट्रोल बोर्ड के पहले मुख्य कार्यकारी अधिकारी थे।

94. A

Sol. • सिंधी कवि और लेखक, वासदेव मोही को सरस्वती सम्मान, 2019 के लिए चुना गया था। यह पुरस्कार केके बिड़ला फाउंडेशन द्वारा प्रतिवर्ष दिया जाता है।

- वासदेव मोही को भावों की स्पष्टता, विचारों की सच्ची गहराई और प्रोसोडी पर मजबूत पकड़ के लेखक के रूप में जाना जाता है।
- सरस्वती सम्मान उत्कृष्ट गद्य या कविता जैसी साहित्यिक कृतियों के लिए दिया जाने वाला वार्षिक पुरस्कार है।
- इसकी स्थापना 1991 में केके बिड़ला फाउंडेशन द्वारा की गई थी।
- के.के. बिड़ला फाउंडेशन की स्थापना 1991 में कृष्ण कुमार बिड़ला ने दिल्ली में की थी।
- इसका मिशन साहित्य और कला के साथ-साथ शिक्षा और सामाजिक कार्यों को बढ़ावा देना है।

95. B

Sol. • एनी बेसेंट भारतीय राष्ट्रीय कांग्रेस की अध्यक्ष चुनी जाने वाली पहली महिला थीं।

- वह आयरिश और भारतीय स्व-शासन दोनों की प्रबल समर्थक थीं।
- वह भारत की तीसरी प्रधानमंत्री थीं और भारतीय राष्ट्रीय कांग्रेस की केंद्रीय शिक्षियत थीं।

- वह भारत की पहली और आज तक की एकमात्र महिला प्रधानमंत्री थीं।
- सुचेता कृपलानी भारत की पहली महिला मुख्यमंत्री थीं।
- नेली सेनगुप्त एक अंग्रेज महिला थीं जिन्होंने भारतीय स्वतंत्रता के लिए लड़ाई लड़ी।

96. C

Sol. • अंडमान और निकोबार द्वीप समूह में लगभग 572 द्वीप शामिल हैं।

- यह अपने नितांत आश्चर्यजनक समुद्र तटों, समृद्ध जैव विविधता, सुंदर समुद्री पारिस्थितिकी तंत्र और वन्य जीवन के साथ उष्णकटिबंधीय सदाबहार जंगलों के लिए प्रसिद्ध है।
- ये अपने ताढ़-रेखा वाले (**palm-lined**), सफेद-रेत समुद्र तटों, मैंग्रोव और उष्णकटिबंधीय वर्षावनों के लिए जाने जाते हैं।
- यह भारत के आर्थिक रणनीतिक सहयोग का एक महत्वपूर्ण केंद्र है।
- यह बंगाल की खाड़ी में स्थित एक भारतीय द्वीपसमूह है और यह भारत के सबसे अनोखे पर्यटन स्थलों में से एक है।

97. C

Sol. • भारत ने द्विवार्षिक पर्यावरण प्रदर्शन सूचकांक (**EPI 2020**) के 12वें संस्करण में 168वां स्थान हासिल किया, जिसने 180 देशों के पर्यावरण प्रदर्शन को मापा।

- पर्यावरण प्रदर्शन सूचकांक एक द्विवार्षिक सूचकांक है जो किसी देश के पर्यावरणीय प्रदर्शन को परिमाणित और संख्यात्मक रूप से श्रेणीबद्ध करता है।
- यह येल विश्वविद्यालय और विश्व आर्थिक मंच के बीच एक सहयोग है।
- यह विश्व भर में स्थिरता की स्थिति का डेटा-संचालित सारांश प्रदान करता है।
- सूचकांक ने पर्यावरण प्रदर्शन के 32 संकेतकों पर विचार किया और राष्ट्रीय एवं वैश्विक स्तर पर पर्यावरणीय प्रदर्शन में 10 वर्ष के रुझान को शामिल किया।

98. A

Sol. • प्राचीनतम बौद्ध ग्रंथ पाली में लिखे गए थे।

- पाली एक मध्य इंडो-यूरोपीय लिटर्जिकल (**liturgical**) भाषा है जो भारतीय उपमहाद्वीप की मूल निवासी है।
- अपभ्रंश भाषा मध्य इंडो-आर्यन भाषाओं के अंतिम चरण की साहित्यिक भाषा है।
- प्राकृत मध्य इंडो-आर्यन भाषाएँ थीं जो लगभग 500 ईसा पूर्व और 500 ईस्वी के बीच बोली जाती थीं।

- संस्कृत दक्षिण एशिया की एक शास्त्रीय भाषा है जो इंडो-यूरोपीय भाषाओं की इंडो-आर्यन शाखा से संबंधित है।

- यह प्राचीन और मध्यकालीन दक्षिण एशिया में एक संपर्क भाषा थी।

99. D

Sol. • भारत का महान्यायवादी भारत के संविधान के अनुच्छेद 76 के तहत एक संवैधानिक पद है।

- वह भारत सरकार के मुख्य कानूनी सलाहकार हैं और भारत के सर्वोच्च न्यायालय के समक्ष इसके प्रमुख अधिवक्ता हैं।

- उन्हें संविधान के अनुच्छेद 76(1) के तहत केंद्रीय मंत्रिमंडल की सलाह पर भारत के राष्ट्रपति द्वारा नियुक्त किया जाता है।

- भारत का सॉलिसिटर जनरल भारत के महान्यायवादी के अधीन होता है।

- वे देश के दूसरे विधि अधिकारी हैं और उन्हें भारत के अतिरिक्त सॉलिसिटर जनरल द्वारा सहायता प्रदान की जाती है।

- स्थायी अधिवक्ता एक ऐसा वकील होता है जिसे मुवकिल का प्रतिनिधित्व करने के लिए नियुक्त किया जाता है।

100. C

Sol. • 14वीं शताब्दी की महिला संत, लाल देव (Lal Ded) सबसे शुरुआती और सबसे प्रसिद्ध कश्मीरी कवयित्री थीं।

- वह हिंदू दर्शन के कश्मीर शैववाद स्कूल की कश्मीरी रहस्यवादी थीं।

- वह रहस्यवादी कविता शैली की निर्माता थीं।

- वह कश्मीरी शैव संप्रदाय की फकीर और साथ ही सूफी संत भी थीं।

- उन्हें कश्मीर की सबसे बड़ी आध्यात्मिक दरष्टा और संत-कवि माना जाता है।

- पंजाबी भारतीय उपमहाद्वीप में तीसरी सबसे अधिक बोली जाने वाली मूल भाषा है।

- तमिल विश्व में सबसे लंबे समय की उत्तरजीवी शास्त्रीय भाषाओं में से एक है।