



SSC MTS 2020 Tier I : 20

Oct S2

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

1. 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'.

Children need much of guidance in how to use the internet wisely and efficiently.

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

At loggerheads

- A. To agree unwillingly
 - B. To disagree strongly
 - C. To hit someone with a log
 - D. To sit and discuss

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

Be harmonious or consistent with

- | | |
|-----------|------------|
| A. Record | B. Cordon |
| C. Accord | D. Discord |

4. Select the INCORRECTLY spelt word.

- | | |
|---------------------|-----------------|
| A. Opportunities | B. Capabilities |
| C. Responsibilities | D. Journeys |

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

Are these library books their?

- A. Are these
B. library
C. books
D. Their

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

Mohan was very hungry so he had missed breakfast that morning.

- A. Mohan was B. breakfast that morning

- C. so he had missed D. very hungry

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

Last week we thrown a party for Arun.

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

____ you please help me with my computer?

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

PROACTIVE

- | | |
|-------------|------------------|
| A. Headless | B. Short-sighted |
| C. Reactive | D. Enthusiastic |

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

Did you visit _____ Nehru Planetarium in Delhi during the eclipse?

- A. the
 - B. any
 - C. a
 - D. An

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

SUFFICIENT

- A. Inadequate
 - B. Enough
 - C. Intense
 - D. Precise

12. Select the INCORRECTLY spelt word.

- | | |
|------------|-------------|
| A. Paralel | B. Expel |
| C. Repel | D. Foretell |

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

A situation when no progress is possible

At a stretch

- A. Within a month
 - B. After some time
 - C. Without a stop
 - D. During a year

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

I like to go on a trip with Rahul as he is cheerful and _____.

- A. easy-going
 - B. uncaring
 - C. closed
 - D. Tense

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

STRENUOUS

- | | |
|-----------|--------------|
| A. Easy | B. Light |
| C. Feeble | D. Difficult |

17. 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 am trying my best to give in junk food.

18. 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'.

You should live throughout your means.

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

Watching one's pet cat is therapeutic and can make one quite _____ to the real world outside.

- | | |
|--------------|-------------|
| A. obvious | B. envious |
| C. oblivious | D. studious |

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

STATIONARY

- | | |
|-----------|-----------|
| A. Square | B. Moving |
| C. Watch | D. Still |

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.

Many years ago, I met a panchayat president (1) _____ a state literacy programme who talked to me (2) _____ Cuba's literacy programme where teachers, students and volunteers (3) _____ in a well organised, massive nationwide literacy movement. They (4) _____ people in the remotest of villages and were (5) _____ successful in their mission.

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

- | | |
|-----------|----------|
| A. when | B. while |
| C. during | D. Which |

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

- | | |
|-----------|------------|
| A. around | B. About |
| C. Across | D. Through |

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

- | | |
|-----------------|----------------|
| A. joined hands | B. join forces |
| C. collaborate | D. Combine |

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

- | | |
|--------------------|-------------------|
| A. reaches out for | B. reach out for |
| C. reaching out to | D. reached out to |

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

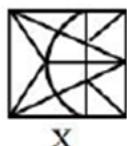
- | | |
|----------------|----------------|
| A. exceedingly | B. excessively |
|----------------|----------------|

- C. marginally D. Negligibly

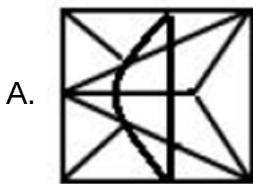
26. If FRIEND is coded as 85 and SICK is coded as 62, then how would FRECKLE be coded?
A. 87 B. 90
C. 108 D. 95

27. 'Tired' is related to 'Exhausted' in the same way as 'Sad' is related to '_____'.
A. Feeling B. Mood
C. Depressed D. Happy

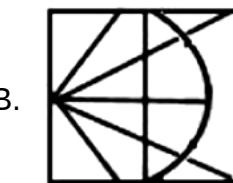
28. **Select the mirror image of the figure marked 'X', when the mirror is placed on the right side of the figure.**



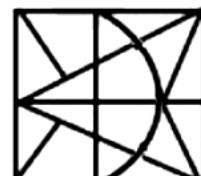
x



C.



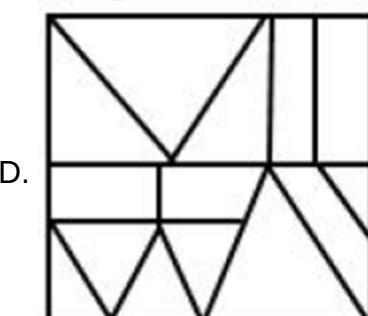
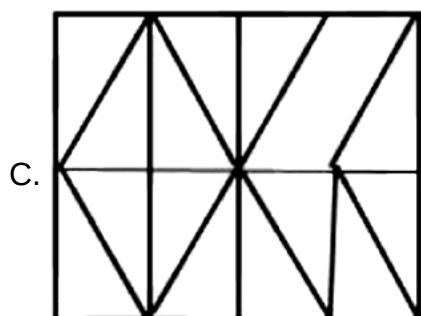
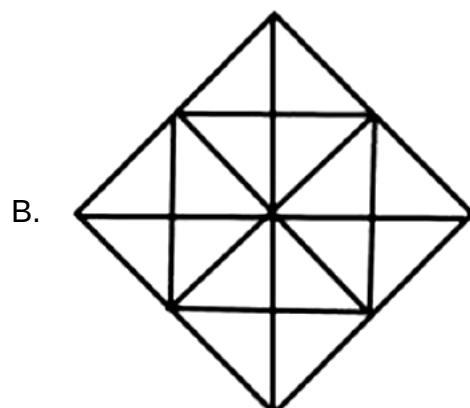
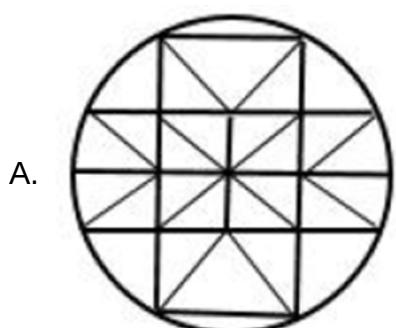
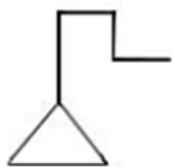
D.



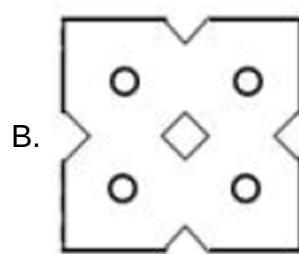
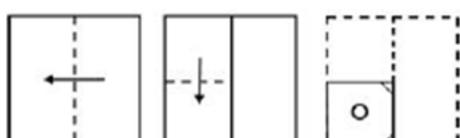
29. Which number will replace the question mark (?) in the following number series?

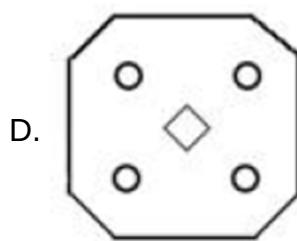
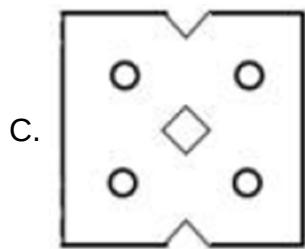
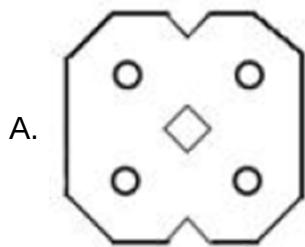
9, 12, 17, 26, 43, 76, ?, 270

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



31. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the figures below. How would the paper look when unfolded?





Statements:

- 1). All buildings are shops.
- 2). Some shops are boutiques.
- 3). No restaurant is a boutique.

Conclusions:

I. Some boutiques are buildings.

II. Some restaurants being buildings is a possibility.

III. No restaurant is a shop.

A. Only conclusions I and II follow

B. Only conclusion I follows

C. Only conclusions II and III follow

D. Only conclusion II follows

35. **Which letter-cluster will replace the question mark (?) in the following series?**

CBD, XYW, FEG, UVT, IHJ, ?

A. ORP

B. STR

C. RQS

D. RSQ

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

FHKO : UQNL :: MORV : ?

A. PLIG

B. NJGE

C. NLIE

D. NIFD

37. **If the signs - and ÷ are interchanged, then which of the following equations would be correct?**

A. $12 \div 3 + 9 - 9 = 4$

B. $9 \div 9 - 9 + 9 = 9$

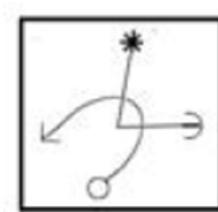
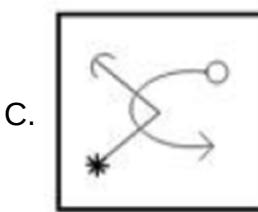
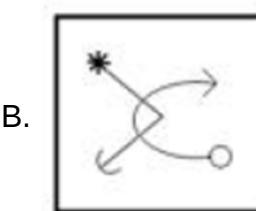
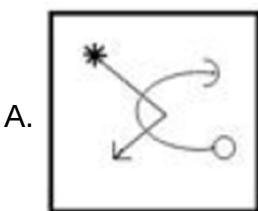
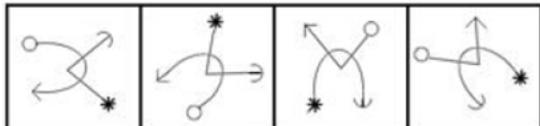
C. $12 + 4 - 4 \div 2 = 3$

D. $6 \div 3 + 12 - 6 = 5$

38. Which number will replace the question mark (?) in the following number series?

19, 22, 28, 37, 40, ?, 55, 58

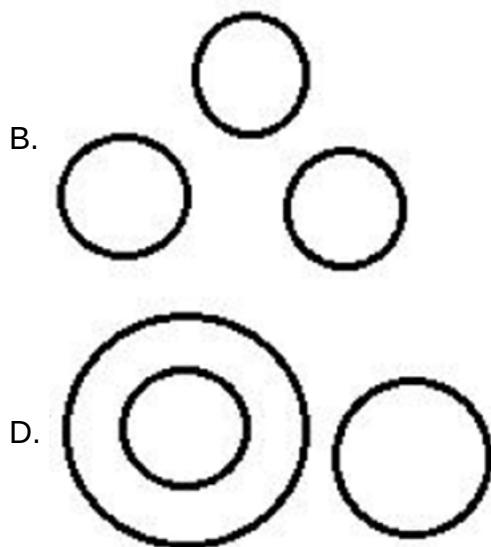
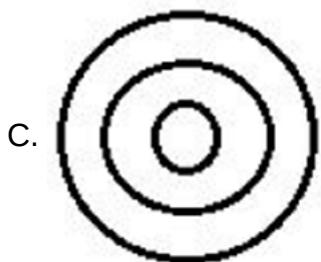
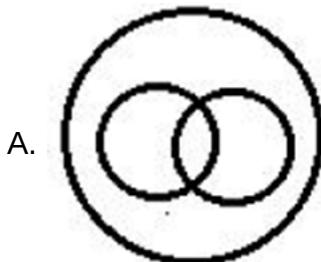
39. Which option figure would come next in the following figure series?



40. If PEDAGOGUE is coded as DEPNFZEUG, then how would HAMSTRING be coded?

41. Select the Venn diagram that best illustrates the relationship among the following classes.

Sun, Planets, Jupiter



$$18 \div 9 + 12 \times 4 - 8 = 15$$

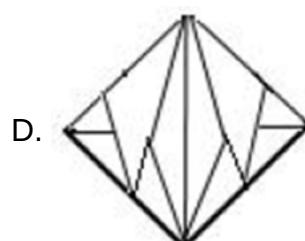
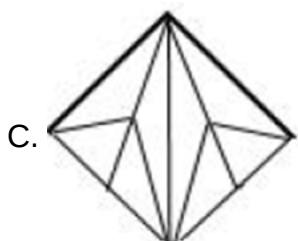
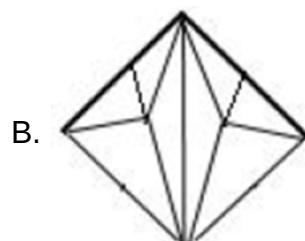
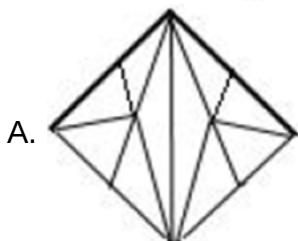
- A. \div and \times
B. \times and $-$
C. $+$ and $-$
D. $-$ and \div

45. Select the number from the options that is similar to the numbers in the given set.

(425, 902, 713)

46. Select the option figure, which when placed in the blank space of the figure would complete the

pattern.



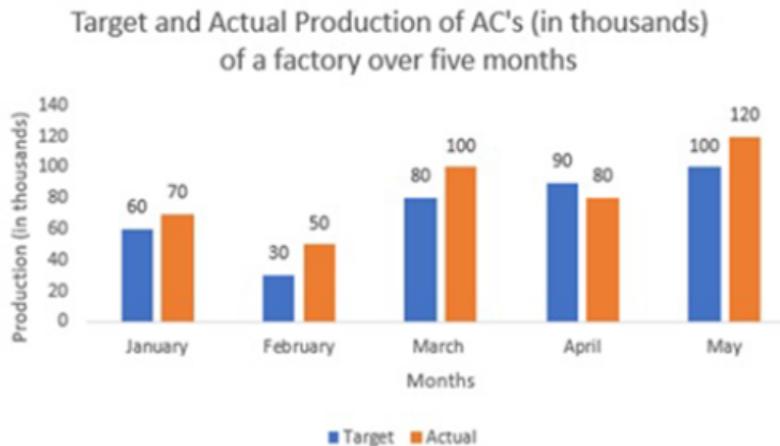
47. Two statements are followed by two conclusions numbered I and II. Assuming the statements to be true even if they do not conform to real-world knowledge, decide which of the conclusions logically follows/follow from the statements.

Statements:

- 1). Some instruments are machines.
- 2). All instruments are gadgets.

Conclusions:

- I. No machine is a gadget.
II. Some machines are gadgets.
- A. Neither conclusion I nor conclusion II follows B. Either conclusion I or conclusion II follows
C. Only conclusion II follows D. Only conclusion I follows
48. **Select the number-pair in which the two numbers are related in the same way as the two numbers of the pair given below.**
- 20 : 68
A. 5 : 18 B. 30 : 110
C. 25 : 90 D. 12 : 30
49. 'Density' is related to 'Hydrometer' in the same way as 'Mass' is related to '_____'.
A. Kilogram B. Heaviness
C. Balance D. Volume
50. 19 persons are standing in a queue.
- Manish is 7th from the back.
 - Rinku is exactly in the middle of Manish and Seema.
 - Seema and Rinku have three persons between them.
- What is the position of Seema from the front?
- A. 5th B. 4th
C. 6th D. 7th
51. Twenty persons take 15 days to complete a certain work, working 8 hours a day. To complete the same work in 4 days, the number of hours a day 60 persons should work, is:
A. 11 B. 12
C. 9 D. 10
52. **Direction:** Study the following graph and answer the question that follows.



In which month is the actual production of ACs 20% more than the target production?

A. 275

B. 280

C. 300

D. 240

58. The value of
- $\frac{7}{10} \div \frac{7}{5}$
- of
- $\left[\frac{21}{10} + \frac{13}{5} \right] + \left[\frac{1}{10} \times \frac{10}{47} - \frac{6}{47} \right]$
- is:

A. 5

B. 0

C. 1

D. 10

59. In an examination, the ratio of the number of candidates who passed to those who failed was 5 : 2. If the number of failed candidates had been 14 more, then the ratio of the number of candidates to those who failed would have been 4 : 3. The number of candidates who appeared in the examination was:

A. 126

B. 98

C. 70

D. 100

60. Two circles of radii 10 cm and 12 cm intersect each other and the length of their common chord is 16 cm. What is the distance (in cm) between their centres?

A. $6 + 3\sqrt{5}$ B. $6 + 4\sqrt{5}$ C. $6 + 5\sqrt{5}$ D. $6 + 2\sqrt{5}$

61. If
- $x : y : z = 1 : 2 : 3$
- , what is the value of
- $\left(\frac{x^2 + 2y^2 + z^2}{3x^2 - 2y^2 + 4z^2} \right)$
- ?

A. $\frac{15}{31}$ B. $\frac{16}{31}$ C. $\frac{18}{31}$ D. $\frac{19}{31}$

62. Which is the largest number that will divide 2036 and 233 leaving remainders 12 and 13, respectively?

A. 36

B. 44

C. 42

D. 46

63. The ratio of the income of A and B is 1 : 2 and that of their expenditure is 2 : 3. If 80% of B's expenditure is equal to the income of A, then what is the ratio of the saving of A and B?

A. 9 : 2

B. 2 : 9

C. 7 : 3

D. 3 : 7

64. The average monthly expenditure of a family was Rs. 10,000 during the first three months, Rs. 12,500 during the next four months, and Rs. 13,500 during the last five months of a year. If the total savings during the year were Rs. 32,500, then the average monthly income (in Rs.) of the family was:

A. 15,000

B. 17,250

C. 13,750

D. 14,250

65. When the price of sugar gets raised by 30%, a person increases his expenditure on sugar only by 12%. By what percentage (correct up to two decimal places) should he reduce his consumption of sugar so to be able to maintain the same level of expenditure?

A. 12.75% B. 13.85%
C. 11.54% D. 15.75%

66. 'A' alone can do a piece of work in 10 days and 'B' alone can do it in 15 days. 'A' and 'B' undertook to do the work for Rs. 42,000. With the help of 'C', they completed the work in 5 days. How much (in Rs.) is to be paid to C?

A. 7,000 B. 15,000
C. 14,000 D. 21,000

67. A sells an article to B at 12% profit. B sells it to C at 9% loss. If C pays Rs. 15,288 for it, then at what price (in Rs.) is the article purchased by A?

A. 15,000 B. 16,000
C. 16,800 D. 14,250

68. In a week, the weights of a bag of tea were 350 kg, 280 kg, 340 kg, 270 kg, 360 kg, 310 kg, 300 kg. The range (in kg) is:

A. 80 B. 100
C. 90 D. 70

69. What is the area (in cm^2) of a trapezium whose parallel sides are 25 cm and 19 cm long, and the distance between them is 15 cm?

A. 330 B. 410
C. 345 D. 275

70. The selling price of an article is $\frac{7}{6}$ Times the cost price. What is the loss/gain percentage (correct up to two decimal places)?

A. Loss 19.54% B. Gain 19.54%
C. Loss 16.67% D. Gain 16.67%

71. A farmer borrowed Rs. 1,32,000 from a money lender to do cultivation in his field. The rate of interest is 12.5% p.a. compounded annually. At the end of two years, he cleared his loan by paying Rs. 1,07,062.50 and his scooter. The cost (in Rs.) of the scooter is:

A. 50,000 B. 45,000
C. 75,000 D. 60,000

- C. May/June D. December/January

80. Which of the following Articles of the Constitution of India lays down the duties and functions of the Union and State Public Service Commissions in India?
A. Article 312 B. Article 320
C. Article 308 D. Article 316

81. Which of the following diseases is caused by a protozoa parasite of Leishmania species?
A. Chikungunya B. Malaria
C. Kala Azar D. Polio

82. Which of the following is the name of the NASA programme to land first woman and next man on the Moon by 2024?
A. Orion B. Artemis
C. Apollo D. Nike

83. Which of the following union territories has representation in the Council of States?
A. Chandigarh B. Lakshadweep
C. Andaman and Nicobar Islands D. Puducherry

84. Which classical economist popularised the following phrase: "From each according to his ability, to each according to his needs"?
A. David Ricardo B. John Stuart Mill
C. Adam Smith D. Karl Marx

85. Brahm Kanchibotla, who died in April 2020 in the US, is known for his contribution in the field of:
A. medical sciences B. sports
C. theatre D. Journalism

86. The series of articles titled 'New Lamps for Old', strongly criticising the Congress for its moderate policy towards British rule, was authored by:
A. Lala Lajpat Rai B. Bipin Chandra Pal
C. Sri Aurobindo D. Bal Gangadhar Tilak

87. In the year 2009, who among the following was appointed as the Leader of Opposition in the 15th Lok Sabha?
A. Arun Jaitley B. Sushma Swaraj
C. Anantha Kumar D. Smriti Irani

88. According to the '2nd Advance Estimates of Horticulture Production 2019-20', published by the

Department of Agriculture, Cooperation and Farmers Welfare in June2020, the total horticulture production in 2019-20 is estimated to be about _____higher than 2018-19.

- A. 3% B. 2%
C. 4% D. 1%

89. In which of the following months may the meteor shower named Lyrids be seen from Earth?
A. April B. February
C. June D. August

90. Of the languages recognised as Classical Languages by the Government of India, as on 30th June 2020, which of the following is the latest?
A. Telugu B. Odia
C. Malayalam D. Kannada

91. Which of the following is the name of the spacecraft developed by Space X for NASA's manned mission to International Space Station?
A. Crew Centaurus B. Crew Dragon
C. Crew Shark D. Crew Aries

92. For which of the following countries does cricketer Ben Stokes play?
A. South Africa B. Australia
C. New Zealand D. England

93. Who among the following cricketers is NOT among the Wisden Five Cricketers of the Year named by the 2020 edition of the Wisden Almanack?
A. Andre Russell B. Ellyse Perry
C. Jofra Archer D. Pat Cummins

94. Which of the following helps borrowers to overcome the problem of lack of collateral?
A. Civil Societies B. Self Help Groups
C. Pressure Groups D. Non-Governmental Organizations

95. Which of the following communities of Sikkim is traditionally associated with the folkdance known as 'Chu-Faat'?
A. Nepalese B. Tamang
C. Lepcha D. Bhutia

96. As per the World Intellectual Property Organization (WIPO), China emerged as the top source of international patent applications filed with it in the year 2019. Which of the following countries held this

place in the year 2018?

- A. Singapore
- B. Japan
- C. USA
- D. South Korea

97. To which of the following corporate houses does the leading vaccine manufacturing company Serum Institute of India Private Limited belong?

- A. Tata Group
- B. Adani Group
- C. Reliance Group
- D. Cyrus Poonawalla Group

98. In which of the following states is the Srivilliputhur Elephant Reserve located?

- A. Karnataka
- B. Telangana
- C. Tamil Nadu
- D. Andhra Pradesh

99. Which of the following rivers has Kishanganga river as one of its major tributaries?

- A. Sutlej
- B. Chenab
- C. Ravi
- D. Jhelum

100. In which of the following languages did Adikavi Pampa create his compositions?

- A. Malayalam
- B. Kannada
- C. Telugu
- D. Tamil

Solutions

1. C

Sol. The underlined part is grammatically incorrect.

- * The noun “guidance” can directly take the determiner “much” before it. But the use of the preposition “of” after “much” makes the underlined part erroneous.
- * The noun “guidance” is an uncountable noun. Thus, we cannot use “many” with it.
- * Thus, “a lot” is grammatically fit in the underlined part.

The correct sentence will be: **Children need a lot of guidance in how to use the internet wisely and efficiently.**

Hence, option C is the correct answer.

2. B

Sol. The idiom “at loggerheads” means to disagree very strongly with something or someone.

e.g. The party is at loggerheads with the president over public spending.

Hence, option B is the correct answer.

3. C

Sol. Record = a written account of what has happened, been done, etc.

Cordon = a line or ring of police or soldiers that prevents people from entering an area

Accord = an agreement, especially between countries

Discord = disagreement or argument

Hence, option C is the correct answer.

4. D

Sol. Option D has the incorrectly spelt word. The correct spelling of the word is “journeys”. It is the act of travelling from one place to another, especially in a vehicle.

Other words and their meanings are:

Opportunities = an occasion or situation that makes it possible to do something that you want to do or have to do, or the possibility of doing something

Capabilities = the ability to do something

Responsibilities = something that it is your job or duty to deal with

5. D

Sol. Option D has the grammatically incorrect part.

* The error is in the use of the pronoun “their”.

* “Their” is a dependent possessive pronoun. It is followed by a noun.

e.g. Their house, their car, etc.

* The independent possessive pronoun “theirs” is used without a following noun as a pronoun equivalent in meaning to the adjective “their”.

e.g. Our cat is dark grey, but theirs is black.

* The pronoun “their” is not followed by any noun. Thus, it is erroneous here.

* We will replace it with “theirs”.

The correct sentence will be: **Are these library books theirs?**

6. C

Sol. Option C has the grammatically incorrect part.

* The conjunction “so” is used for saying what the purpose of an action is.

e.g. There weren’t enough beds, so I had to sleep on the floor.

* In the given sentence, the latter part mentions the reason why Mohan was hungry.

* We use the conjunction “as” to connect a result with a cause.

e.g. I went to bed at 9 pm as I had a plane to catch at 6 am.

* Thus, replace “so” with “as” to make the sentence grammatically sound.

The correct sentence will be: **Mohan was very hungry as he had missed breakfast that morning.**

7. A

Sol. Option A has the grammatically incorrect part.

* The sentence has a time word “last week”.

* Thus, we will use the verb in the simple past.

* We will replace the V3 “thrown” with “threw” to make the sentence grammatically sound.

The correct sentence will be: **Last week we threw a party for Arun.**

8. B

Sol. Let’s first see the use of the given modals:

Dare = have the courage to do something

Could = to ask for permission to do something

May = expressing possibility that something is true

Shall = used to indicate future action.

In the given sentence, the person is asking for help. Thus, the modal “could” fits in the blank perfectly.

Hence, option B is the correct answer.

9. D

Sol. Let's first see the meanings of the given words:

Proactive = taking action by causing change and not only reacting to change when it happens

e.g. Companies are going to have to be more proactive about environmental management.

Short-sighted = not thinking enough about how an action will affect the future

heedless = not giving attention to a risk or possible difficulty

Reactive = reacting to events or situations rather than acting first to change or prevent something

Enthusiastic = full of excitement and interest in something

e.g. You don't seem very enthusiastic about the party - don't you want to go tonight?

Hence, option D is the correct answer.

10. A

Sol. The blank is followed by a specific place, i.e. Nehru Planetarium.

Thus, we will use the definite article "the" in the blank.

Hence, option A is the correct answer.

11. A

Sol. Let's first see the meanings of the given words:

Sufficient = enough for a particular purpose

e.g. This recipe should be sufficient for five people.

Inadequate = not good enough or too low in quality

e.g. She rejected the \$2 million offer as totally inadequate.

Enough = as much as is necessary; in the amount or to the degree needed

Intense = extreme and forceful or (of a feeling) very strong

Precise = exact and accurate

Hence, option A is the correct answer.

12. A

Sol. Option A has the incorrectly spelt word. The correct spelling of the word is “parallel”. It is used to describe two or more straight lines being the same distance apart along all their length.

Other words and their meanings:

Expel = to force someone to leave a school, organization, or country

Repel = to force someone or something to stop moving towards you or attacking you

Foretell = to say what is going to happen in the future

13. C

Sol. Acceptance = general agreement that something is satisfactory or right, or that someone should be included in a group

Deadline = a time or day by which something must be done

Deadlock = a situation in which agreement in an argument cannot be reached because neither side will change its demands or accept any of the demands of the other side

Harmony = a pleasant musical sound made by different notes being played or sung at the same time

Hence, option C is the correct answer.

14. C

Sol. The idiom “at a stretch” means at one time without stopping.

e.g. She can sit and read for hours at a stretch.

Hence, option C is the correct answer.

15. A

Sol. Let's first see the meanings of the given words:

Easy-going = (used about a person) calm, relaxed and not easily worried or upset by what other people do

Uncaring = not displaying sympathy or concern for others.

Closed = unwilling to accept new ideas

Tense = unable to relax because of nervousness, anxiety, or stimulation.

* The sentence needs a positive adjective for the noun “Rahul”.

* Only “easy-going” is a positive adjective here.

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

16. D

Sol. Let's first see the meanings of the given words:

Strenuous = requiring or using great effort or exertion.

e.g. He rarely does anything more strenuous than changing the channels on the television.

Easy = needing little effort

Light = not weighing a lot

Feeble = weak and without energy, strength, or power

Difficult = needing skill or effort

e.g. Many things make it difficult for women to reach the top in US business.

Hence, option D is the correct answer.

17. C

Sol. The underlined part is grammatically incorrect.

* The phrase “give in” means to cease fighting or arguing; admit defeat.

e.g. He reluctantly gave in to the pressure.

* The person “I” is trying to avoid eating junk food.

* “Give up” means to stop trying to do something; to accept that you cannot do something.

e.g. They gave up once the other team had scored their third goal.

* Thus, replace “give in” with “give up” to make the sentence grammatically sound.

The correct sentence will be: I am trying my best to give up junk food.

Hence, option C is the correct answer.

18. C

Sol. The underlined part is grammatically incorrect.

* The preposition “throughout” means in every part, or during the whole period of time.

* The preposition “within” means inside the limits of something.

* The sentence implies that a person should know the limits.

* Thus, “within” should be used in the underlined part.

The correct sentence will be: You should live within your means.

Hence, option C is the correct answer.

19. C

Sol. Let's first see the meanings of the given words:

Obvious = not conscious of something, especially what is happening around you

Envious = wishing you had what another person has

Oblivious = not aware of or not noticing something, esp. what is happening around you

Studious = very careful or paying attention to all the small details

* Being around one's pet, makes one forget one's life problems.

* Thus, the word "oblivious" fits in the blank perfectly.

Hence, option C is the correct answer.

20. B

Sol. Let's first see the meanings of the given words:

Stationary = not moving, or not changing

e.g. The traffic got slower and slower until it was stationary.

Square = a flat shape with four sides of equal length and four angles of 90°

Moving = one that moves

e.g. The station is so crowded you can hardly move.

Watch = to look at something for a period of time

Still = continuing until now or until the time you are talking about and not finishing

Hence, option B is the correct answer.

21. C

Sol. Let's first see the meanings of the words given:

When = at what time; at the time at which

While = during the time that, or at the same time as

During = at some time between the beginning and the end of a period

Which = what one or ones

* The given blank requires a word to say that the person "I" met panchayat resident at some time in the midst of state literacy programme.

* The blank needs a preposition.

* Thus, "during" fits in the blank perfectly.

Hence, option C is the correct answer.

22. B

Sol. * The preposition "about" means "on the subject of, or connected with".

* Here, the person "I" talked to this another person on the subject of "Cuba's literacy programme".

* Thus, the preposition "about" fits in the blank perfectly.

Hence, option B is the correct answer.

23. A

Sol. * The whole passage is about a past event. It is in the simple past tense.

* The verb in the blank should be in the past too.

* Only "joined hands" is in V2.

Hence, option A is the correct answer.

24. D

Sol. * The whole passage is about a past event. It is in the simple past tense.

* The verb in the blank should be in the past too.

* Only option D has the correct form of the verb, i.e. V2 form (reached).

* Also, “reach out to someone” means to offer help or support to (someone).

Hence, option D is the correct answer.

25. B

Sol. Let's first see the meanings of the given words:

Exceedingly = to a very great degree

Excessively = in a way that is too much

Marginally = slightly

Negligibly = in a way that is too slight or small in amount to be of importance

* The blank needs an adverb to show that the programme was highly successful.

* Thus, the word “excessively” fits in the blank perfectly.

Hence, option B is the correct answer.

Hence, option B is the correct answer.

26. D

Sol.

The logic follow here is= sum of positional value of alphabet in words+(number of words)*5

Friend=(6+18+9+5+13+4)+(6)*5=55+30=85

$$\text{SICK} = (19+9+3+11)+(4)*5 = 42+20 = 62$$

$$\text{FRECKLE} = (6+18+5+3+11+12+5)+(7)*5 = 95$$

Hence, option D is the correct answer.

27. C

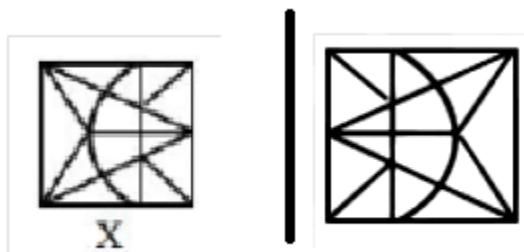
Sol.

Tired person is exhausted, similarly sad person is depressed.

Hence, option C is the correct answer.

28. C

Sol. The mirror image of the given figure is given below



Hence, option C is the correct answer.

29. B

Sol.

$$12=9+3$$

$$17=12+2*3-1=12+5=17$$

$$26=17+2*5-1=17+9=26$$

$$43=26+2*9-1=26+17=43$$

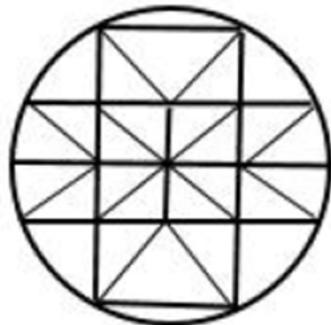
$$76 = 43 + 2 \times 17 - 1 = 43 + 33 = 76$$

$$? = 76 + 2 \times 33 - 1 = 76 + 65 = 141$$

Hence, option B is the correct answer.

30. A

Sol. The given figure is embedded in the figure given below

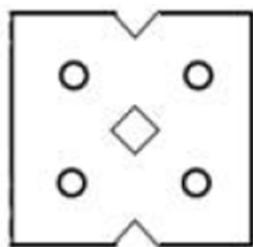


Hence, option A is the correct answer.

31. C

Sol.

When the given paper is folded and cut as per the instructions and then unfolded, the pattern that will be formed is given below



Hence, option C is the correct answer.

32. B

Sol.

The possible reading pattern of the six persons as per the question is given below

TSPURQ

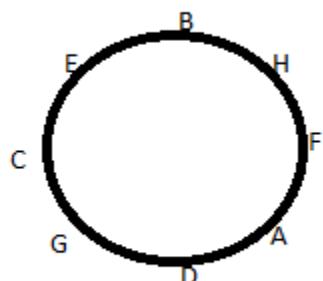
SO, T and Q were first and last to read the magazine.

Hence, option B is the correct answer.

33. D

Sol.

The pictorial sitting arrangement of the persons is given below

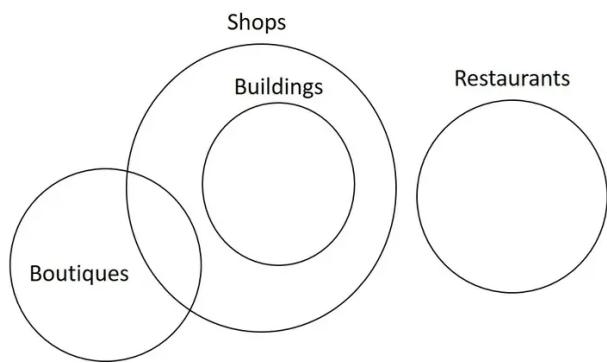


So, EBH are sitting immediately to the left of C

Hence, option D is the correct answer.

34. D

Sol. The Minimum possible Venn diagram is as follows -



Conclusions:

I. Some boutiques are buildings - false as there is no relationship between them.

II. Some restaurants being buildings is a possibility - it may be possible as no restaurant is a boutique but restaurants can be building.

III. No restaurant is a shop - false as there is no direct relationship between restaurant and shop.

Hence, option D is the correct answer.

35. D

Sol. The logic followed here is that the next cluster alphabet is opposite of the positional value of previous cluster alphabet

X=c

Y=B

W=D

Similarly, I=R, H=S and J=Q

So, RSQ is the next cluster.

Hence, option D is the correct answer.

36. B

Sol.

The logic follow here is explained below

F opposite alphabet =U

H = opposite alphabet-2=S-2=Q

K= opposite alphabet-2=P-2=N

O= opposite alphabet =L

Similarly, M= N

O= L-2=J

$$R=I-2=G$$

$$V=E$$

Hence, option B is the correct answer.

37. D

Sol. This type of questions are solved by hit and trial method

So, try option D

$$6 \div 3 + 12 - 6 = 5$$

After interchanging

$$6 - 3 + 12 \div 6 = 5$$

Apply BODMAS

$$6-3+2=5$$

$$8-3=5$$

$$5=5$$

Hence, option D is the correct answer.

38. A

Sol. The logic here is the at difference of 3,6,9 is repeating after every three terms

$$19+3=22$$

$$22+6=28$$

$$28+9=37$$

$$37+3=40$$

$$40+6=46$$

$$46 + 9=55$$

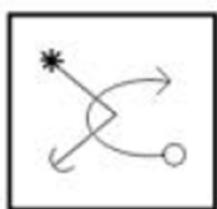
$$55+3=58$$

Hence, option A is the correct answer.

39. B

Sol. The logic here is that the complete figure moves a step 45 degree anticlockwise. Also, alternatively, the smaller figures at the ends first exchange positions with each other and then between the curve and angle.

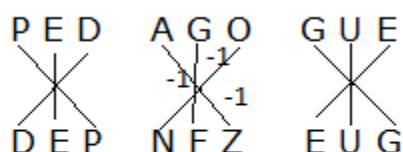
Thus, the image that will complete the series is given below -



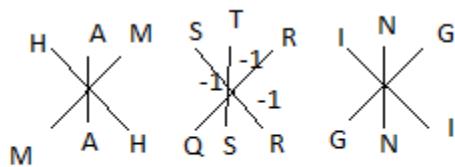
Hence, option B is the correct answer.

40. A

Sol.



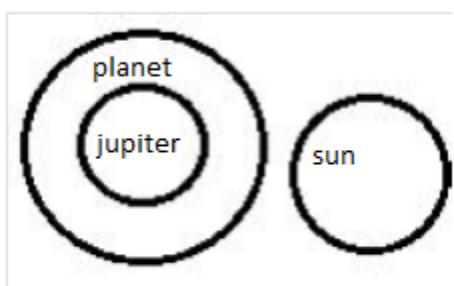
Similarly HAMSTRING = MAHQSRGNI



Hence, option A is the correct answer.

41. D

Sol. Jupiter is a planet while Sun is a star



Hence, option D is the correct answer.

42. D

Sol.

Logic followed here is explained below

Write the given words in reverse order and then subtract one positional value

MOTHER=REHTOM AND SHEATH=HTAEHS

R-1=Q	H-1=G
E-1=D	T-1=S
H-1=G	A-1=Z
T-1=S	E-1=D
O-1=N	H-1=G
M-1=L	S-1=R

Hence, option D is the correct answer.

43. C

Sol.

The logic followed here is (number of alphabets)*2+3

$$\text{Market} = (6) * 2 + 3 = 12 + 3 = 15$$

$$\text{Submarine} = 9 * 2 + 3 = 21$$

$$\text{Conventional} = 12 * 2 + 3 = 27$$

Hence, option C is the correct answer.

44. D

Sol. This type of questions are solved by hit and trial method

So, try option D

$$18 \div 9 + 12 \times 4 - 8 = 15$$

After interchange

$$18 - 9 + 12 \times 4 \div 8 = 15$$

Apply BODMAS

$$18 - 9 + 12 \times 0.5 = 5$$

$$18 - 9 + 6 = 5$$

$$24-9=15$$

$$15=15$$

Hence, option D is the correct answer.

45. C

Sol. $425=4+2+5=11$

$$902=9+0+2=11$$

$$713=7+1+3=11$$

$$218=2+1+8=11$$

Hence, option C is the correct answer.

46. C

Sol.

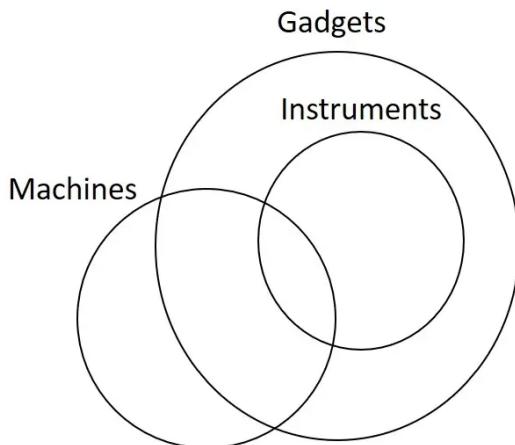
The figure that will complete the given figure pattern is given below



Hence, option C is the correct answer.

47. C

Sol. The minimum Venn diagram is as follows -



Conclusions:

- I. No machine is a gadget- false, as all instruments are gadgets and some instruments are machines, so some machines are gadgets also.
- II. Some machines are gadgets- true, all instruments are gadgets and some instruments are machines, so some machines are gadgets also.

Hence, option C is the correct answer.

48. D

Sol. $20=4^2+4=16+4=20$

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

$$12=3^2+3=12$$

$$30=3^3+3=30$$

Hence, option D is the correct answer.

49. C

Sol. Density is measured by Hydrometer similarly Mass is measured by a Balance.

Hence, option C is the correct answer.

50. A

Sol.

Manish's rank=7th from back and 13th from front

Seema's position=Rinku's position-4

Rinku's position= Manish's position-4=13-4=9

Seema's position= Rinku's position-4=9-4=5

Hence, Seema is 5th from the front.

Hence, option A is the correct answer

51. D

Sol. Twenty persons take 15 days to complete a certain work, working 8 hours a day.

Let 60 persons take 4 days to complete a certain work, working x hours a day.

$$\frac{M_1 \times D_1 \times H_1}{W_1} = \frac{M_2 \times D_2 \times H_2}{W_2}$$

Using:

$$\Rightarrow 20 \times 15 \times 8 = 60 \times 4 \times x$$

$$\Rightarrow x = 10 \text{ days}$$

Hence, 60 persons take 4 days to complete a certain work, working 10 hours a day.

52. B

Sol. Percentage by which actual production of ACs is more than the target production in March =

$$\frac{100 - 80}{80} \times 100 = \frac{20}{80} \times 100 = 25\%$$

Percentage by which actual production of ACs is more than the target production in May =

$$\frac{120 - 100}{100} \times 100 = \frac{20}{100} \times 100 = 20\%$$

Clearly, In may month the actual production of ACs 20% more than the target production.

53. A

Sol. Actual production of ACs in march and April = 100 + 80 = 180

Combined target production of ACs in January and April = 60 + 90 = 150

Required ratio = 180 : 150 = 6 : 5

54. C

Sol. Actual production of ACs in march = 100

Average target production of ACs over the period of 5 months = $\frac{60 + 30 + 80 + 90 + 100}{5} = \frac{360}{5} = 72$

Required percentage = $\frac{100 - 72}{72} \times 100 = \frac{28}{72} \times 100 = 38.88\% \approx 39\%$

55. B

Sol. Two trains of the same length are running on parallel tracks in the same direction at 44 km/h and 32 km/h.

Relative speed of these two trains $44 - 32 = 12 \text{ km/hr}$

Faster train passes the other train in 72 seconds.

Let length (in m) of each train = x meter

We know that Speed = $\frac{\text{Total distance}}{\text{Total time taken}}$

$$\Rightarrow 12 \times \frac{5}{18} = \frac{x+x}{72}$$

$$\Rightarrow 2x = 240 \text{ meter}$$

$$\Rightarrow x = 120 \text{ meter}$$

Hence, length (in m) of each train = 120 meter

56. D

Sol. Area of the curved surface of a right circular cylinder = 19.5 m^2

$$\Rightarrow 2\pi rh = 19.5 \text{ m}^2 \dots\dots\dots\dots\dots(1)$$

Volume of cylinder = 39 m^3

$$\Rightarrow \pi r^2 h = 39 \text{ m}^3 \dots\dots\dots(2)$$

Divide (2) by 1

$$\Rightarrow \frac{\pi r^2 h}{2\pi rh} = \frac{39}{19.5}$$

$$\Rightarrow \frac{r}{2} = 2$$

$$\Rightarrow r = 4$$

Hence, radius (in m) of its base = 4 m

57. B

Sol. An aeroplane covers a certain distance at a speed of 190 km/h in 7 hours.

Distance covered by aeroplane = $190 \times 7 = 1330$ meter

$$\frac{1330}{19} = 280 \text{ km/hr}$$

To cover the same distance in $4\frac{3}{4}$ hours, Speed of aero plane =

58. B

$$\text{Sol. } \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{21}{10} + \frac{13}{5} \right] + \left[\frac{1}{10} \times \frac{10}{47} - \frac{6}{47} \right]$$

Using BODMAS:

$$\Rightarrow \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{47}{10} \right] + \left[\frac{1}{47} - \frac{6}{47} \right]$$

$$\Rightarrow \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{47}{10} \right] + \left[-\frac{5}{47} \right]$$

$$\Rightarrow \frac{7}{10} \div \frac{7 \times 47}{50} - \frac{5}{47} = \frac{7}{10} \times \frac{50}{7 \times 47} - \frac{5}{47} = \frac{5}{47} - \frac{5}{47} = 0$$

59. B

Sol. In an examination, the ratio of the number of candidates who passed to those who failed was 5 : 2.

Let number of candidates who passed the examination = 5x

Number of candidates who failed the examination = 2x

If the number of failed candidates had been 14 more, then the ratio of the number of candidates to those who failed would have been 4 : 3.

$$\Rightarrow \frac{5x-14}{2x+14} = \frac{4}{3}$$

$$\Rightarrow 15x - 42 = 8x + 56$$

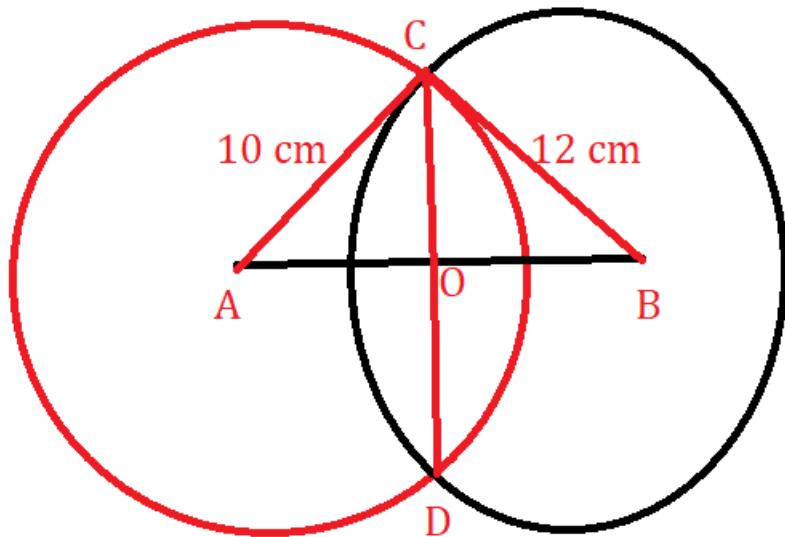
$$\Rightarrow 7x = 98$$

$$\Rightarrow x = 14$$

Now, number of candidates who appeared in the examination = $5x + 2x = 7x = 7 \times 14 = 98$

60. B

Sol. Two circles of radii 10 cm and 12 cm interest each other and the length of their common chord is 16 cm.



We know that common chord is bisected by the line joining centres of two circle.

$$\text{Hence, } CO = \frac{16}{2} = 8 \text{ cm}$$

Also, common chord will be perpendicular to line joining centres of two circle.

In right angled triangle AOC :

$$\Rightarrow AO = \sqrt{(10)^2 - (8)^2} = \sqrt{100 - 64} = 6 \text{ cm}$$

In right angled triangle BOC :

$$\Rightarrow BO = \sqrt{(12)^2 - (8)^2} = \sqrt{144 - 64} = \sqrt{80} = 4\sqrt{5} \text{ cm}$$

Now, distance (in cm) between their centres = AO + BO = $(6 + 4\sqrt{5})$ cm

61. C

Sol. $x : y : z = 1 : 2 : 3$

Let $x = k$, $y = 2k$ and $z = 3k$

$$\text{Now, } \left(\frac{x^2 + 2y^2 + z^2}{3x^2 - 2y^2 + 4z^2} \right) = \frac{(k)^2 + 2(2k)^2 + (3k)^2}{3(k)^2 - 2(2k)^2 + 4(3k)^2} = \frac{1+8+9}{3-8+36} = \frac{18}{31}$$

62. B

Sol. Required number = HCF of $(2036 - 12)$ and $(233 - 13)$ = HCF of 2024 and 220

$$2024 = 2 \times 2 \times 2 \times 11 \times 23$$

$$220 = 2 \times 2 \times 5 \times 11$$

Hence, Required number = HCF of 2024 and 220 = $2 \times 2 \times 11 = 44$

63. B

Sol. The ratio of the income of A and B is 1 : 2 and that of their expenditure is 2 : 3.

Let income of A = Rs. x

Income of B = Rs. 2x

Also, let expenditure of A = Rs. 2y

Expenditure of B = Rs. 3y

If 80% of B's expenditure is equal to the income of A

$$\Rightarrow \frac{80}{100}(3y) = x$$

$$\Rightarrow x = \frac{12}{5}y$$

$$\text{Saving of A} = x - 2y = \frac{12}{5}y - 2y = \frac{2}{5}y$$

$$\text{Saving of B} = 2x - 3y = 2\left(\frac{12}{5}y\right) - 3y = \frac{9}{5}y$$

Now, ratio of the saving of A and B = $\frac{2}{5}y : \frac{9}{5}y = 2 : 9$

64. A

Sol. The average monthly expenditure of a family was Rs. 10,000 during the first three months, Rs. 12,500 during the next four months, and Rs. 13,500 during the last five months of a year.

Total expenditure of a family =

$$3 \times 10000 + 4 \times 12500 + 5 \times 13500 = 30000 + 50000 + 67500 = \text{Rs. } 147500$$

Total savings during the year = Rs. 32500

Total income = Rs. 147500 + Rs. 32500 = Rs. 180000

Average monthly income (in Rs.) of the family = $\frac{180000}{12} = \text{Rs. } 15000$

65. B

Sol. When the price of sugar gets raised by 30%, a person increases his expenditure on sugar only by 12%.

Let initial price of sugar = 100x

Price of sugar after increment = $100x \times \frac{130}{100} = 130x$

Initial expenditure of sugar = 100y

$$\text{Expenditure after increment} = 100y \times \frac{112}{100} = 112y$$

As we know, Expenditure = Price × consumption

$$\text{Initial consumption} = \frac{100y}{100x} = \frac{y}{x}$$

$$\text{Final consumption} = \frac{112y}{130x}$$

$$\text{Required \%} = \frac{\frac{y}{x} - \frac{112y}{130x}}{\frac{y}{x}} \times 100 = \left(1 - \frac{112}{130}\right) \times 100 = \frac{130 - 112}{130} \times 100 = 13.85\%$$

66. A

Sol. 'A' alone can do a piece of work in 10 days and 'B' alone can do it in 15 days.

With the help of 'C', they completed the work in 5 days.

Let total work = LCM (10,15,5) = 30 unit

$$\text{Efficiency of A} = \frac{30}{10} = 3 \text{ unit/day}$$

$$\text{Efficiency of B} = \frac{30}{15} = 2 \text{ unit/day}$$

Efficiency of A,B and C together = $\frac{30}{5} = 6$ unit/day

Efficiency of C = $6 - 3 - 2 = 1$ unit/day

Total amount for work = Rs. 42000

Amount paid to C = $\frac{1}{6} \times 42000 = \text{Rs. } 7000$

67. A

Sol. Let cost price of article for A = $100x$

A sells an article to B at 12% profit.

Selling price of article for A = $100x \times \frac{112}{100} = 112x$

Cost price of article for B = $112x$

B sells it to C at 9% loss.

Selling price of article for B = $112x \times \frac{91}{100} = 101.92x$

Cost price of article for C = $101.92x$

According to question:

$$\Rightarrow 101.92x = \text{Rs. } 15288$$

$$\Rightarrow x = \text{Rs. } 150$$

$$\Rightarrow 100x = \text{Rs. } 15000$$

Cost price of article for A = Rs. 15000

68. C

Sol. In a week, the weights of a bag of tea were 350 kg, 280 kg, 340 kg, 270 kg, 360 kg, 310 kg, 300 kg.

$$\text{Range} = \text{Highest weight} - \text{Lowest weight} = 360 - 270 = 90 \text{ kg}$$

69. A

Sol. Parallel sides of trapezium are 25 cm and 19 cm long, and the distance between them is 15 cm

Area (in cm^2) of a trapezium =

$$\frac{1}{2}(\text{Sum of parallel sides}) \times \text{distance between them} = \frac{1}{2} \times (25 + 19) \times 15 = 330 \text{ cm}^2$$

70. D

Sol. Selling price of an article is $\frac{7}{6}$ Times the cost price.

Let cost price of article = x

Selling price of article = Rs. $\left(\frac{7}{6}x\right)$

$$\text{Gain \%} = \frac{\frac{7}{6}x - x}{x} \times 100 = \frac{x}{6x} \times 100 = 16.67\%$$

71. D

Sol. A farmer borrowed Rs. 1,32,000 from a money lender to do cultivation in his field. The rate of interest is 12.5% p.a. compounded annually.

Time = 2 years

$$\text{Amount} = P \left(1 + \frac{\text{Rate}}{100}\right)^{\text{time}} = 132000 \left(1 + \frac{12.5}{100}\right)^2 = 132000 \times \frac{9}{8} \times \frac{9}{8} = \text{Rs. } 167062.5$$

At the end of two years, he cleared his loan by paying Rs. 1,07,062.50 and his scooter.

Cost (in Rs.) of the scooter = Rs. 167062.5 – Rs. 107062.5 = Rs. 60000

72. C

Sol. Let marked price of article = Rs. x

Discount = 10%

Selling price of article = Rs. 450

According to question:

$$\Rightarrow x \times \frac{90}{100} = \text{Rs. } 450$$

$$\Rightarrow x = \frac{45000}{90} = \text{Rs. } 500$$

Had the discount not been given, the profit would have been 25%.

If there is no discount then selling price of article = Marked price = Rs. 500

$$\text{Cost price (in Rs.) of the article} = 500 \times \frac{100}{125} = \text{Rs. } 400$$

73. C

Sol. There are 100 students in a class, out of which 70% are girls and others are boys.

$$\text{Number of girls} = 100 \times \frac{70}{100} = 70$$

$$\text{Number of boys} = 100 - 70 = 30$$

Let average score of girls = x

Average score of boys = y

The average score of girls in a test is 20% more than that of boys.

$$x = y + \frac{20}{100}y = \frac{6y}{5} \dots\dots\dots(1)$$

Average score of all the students is 57.

$$\Rightarrow \frac{70x + 30y}{100} = 57$$

$$\Rightarrow 70x + 30y = 5700$$

$$\Rightarrow 7\left(\frac{6y}{5}\right) + 3y = 570$$

$$\Rightarrow \frac{57y}{5} = 570$$

$$\Rightarrow 57y = 2850$$

$$\Rightarrow y = 50$$

Hence, average score of boys = 50

74. A

Sol. $\left\{ \left(4 - \frac{2}{1 + \frac{2}{1 - \frac{1}{2 + \frac{3}{4}}}} \right) \div 1 \frac{5}{12} \text{ of } \frac{72}{145} - (4 + 3 \div 0.5 - 1) \right\}$

Using BODMAS

$$\Rightarrow \left\{ \left(4 - \frac{2}{1 + \frac{2}{1 - \frac{4}{11}}} \right) \div \frac{17}{12} \text{ of } \frac{72}{145} - (4 + 6 - 1) \right\}$$

$$\Rightarrow \left\{ \left(4 - \frac{2}{1 + \frac{22}{7}} \right) \div \frac{17}{12} \times \frac{72}{145} - (9) \right\}$$

$$\Rightarrow \left(4 - \frac{14}{29} \right) \div \left(\frac{6 \times 17}{145} \right) - 9$$

$$\Rightarrow \left(\frac{102}{29} \right) \times \left(\frac{145}{6 \times 17} \right) - 9$$

$$\Rightarrow \frac{5 \times 6}{6} - 9 = -4$$

75. B

Sol. Let Cost price of each of eight copies of a book = Rs. 1

Total money for eight copies of a book = Rs. 8

Principal = Rs. 8

Total money for 10 copies of a book = Rs. 10

Hence, Interest = Rs. 10 – Rs. 8 = Rs. 2

$$\text{Simple Interest} = \frac{\text{Principal} \times \text{Rate} \times \text{time}}{100}$$

$$\Rightarrow 2 = \frac{8 \times \text{Rate} \times 1}{100}$$

$$\Rightarrow \text{Rate} = \frac{200}{8}\% = 25\%$$

76. A

Sol. * The **Godavari** is India's second longest river after the Ganga.

* It originates in **Trimbakeshwar, Nashik, Maharashtra**.

* The principal tributaries of the river Godavari are the Pravara, the Purna, the Manjra, the Penganga, the Wardha, the Wainganga, the Pranhita (combined flow of Wainganga, Penganga, Wardha), the Indravati, the Maner and the Sabri.

* The **Wardha** river originates in the Satpura Range near Betul District, Madhya Pradesh.

77. D

Sol. * **India's Statue of Unity** has been included in the list of **eight wonders of the Shanghai Cooperation Organisation (SCO)**.

* The statue is located near the **Sardar Sarovar Dam on the river Narmada in Kevadiya colony in Gujarat**.

* The Statue of Unity is the world's tallest statue at **182 metres** (597 ft).

* Apart from Statue of Unity, the other seven wonders of SCO include Daming Palace in China, Navruz Palace in Tajikistan, Mughals Heritage in Pakistan, Tamgaly Gorge in Kazakhstan, Po-i-Kalan Complex in Uzbekistan, The Golden Ring of Russia and Lahore, the Mughals heritage in Pakistan.

* The SCO is an eight-member alliance from Eurasia, which includes India, China, Pakistan, Kazakhstan, Kyrgyzstan, Russia, Tajikistan and Uzbekistan.

78. C

- Sol. * Battle of Deorai (April 12–14, 1659) was fought between the Mughal emperor **Aurangzeb** and his brother **Dara Shikoh**.
* In this battle, Aurangzeb defeated Dara Shikoh.
* The battle was fought at Deorai, in northeastern India.

79. D

- Sol. * **The Quadrantids are usually active between the end of December and the second week of January.**
* The Quadrantids are associated with asteroid **2003 EH1**.
* The asteroid takes about 5.5 years to orbit around the Sun.
* Quadrantids are also known for their bright fireball meteors.
* The Quadrantids are best viewed in the Northern Hemisphere.

80. B

- Sol. * **Article 320 of the Indian Constitution** deals with duties and functions of the Union and State Public Service Commissions in India.
* According to Article 312 (Article 312) of the Constitution of India, Parliament is empowered to create one or more All India Services (including an All-India Judicial Service) for the Union and the States.
* Article 316 of the Indian Constitution deals with the appointment and term of office of Public Service Commission members.

81. C

- Sol. * **Kala Azar is caused by a protozoa parasite of Leishmania species.**
* Kala azar (black fever) is also known as visceral leishmaniasis.
* It is caused by bites from female phlebotomine sandflies.

82. B

Sol. * **The Artemis program is a human spaceflight program.**

- * It is an ongoing space mission run by NASA with the goal of landing the first female astronaut and first astronaut on the Moon's South Pole (by 2025).
- * It is the US space agency's first crewed Moon mission since Apollo 17 in 1972.
- * Artemis is the mythological Greek goddess of the Moon and twin sister of Apollo.

83. D

Sol. * **Delhi and Puducherry** have representation in Rajya Sabha.

- * Uttar Pradesh (31) has the maximum members in the Rajya Sabha.
- * The Rajya Sabha (Council of States) is the upper house of the bicameral Parliament of India.
- * As of 2021 it has a maximum membership of 245.
- * The Rajya Sabha is not subjected to dissolution.
- * The Vice President of India is the ex-officio Chairman of the Rajya Sabha.

84. D

Sol. * "From each according to his ability, to each according to his needs" is a slogan popularised by **Karl Marx**.

- * This slogan was given by Karl Marx in 1875.
- * The principle refers to free access to and distribution of goods, capital and services.
- * Karl Marx was a German philosopher and economist.
- * He is best-known for "The Communist Manifesto" and the "Das Kapital" .

85. D

Sol. * Brahmanandam "Brahm" Kanchibhotla was an **Indian-American journalist**.

- * He was known for his extensive writings on the development of the Telugu community in the USA.
- * He died on 6 April 2020 in New York, USA.

86. C

Sol. * **The book titled "New Lamps for Old" was written by Sri Aurobindo.**

* This book was published in **1893**.

* Sri Aurobindo was an Indian philosopher, yoga guru, poet, and Indian nationalist.

* He joined the Indian movement for independence from British colonial rule.

87. B

Sol. * **Sushma Swaraj** was appointed as the Leader of Opposition in the **15th Lok Sabha** in place of **Lal Krishna Advani** on 21 December 2009.

* She retained this position till May 2014.

* She served as the Minister of External Affairs of India in the first Narendra Modi government (2014–2019).

* She was elected seven times as a Member of Parliament and three times as a Member of the Legislative Assembly.

88. A

Sol. * The '2nd Advance Estimates of Horticulture Production 2019-20' was published by the Department of Agriculture, Cooperation and Farmers Welfare in June 2020.

* According to this report, the total horticulture production in 2019-20 **was estimated to be about 3.13% higher than 2018-19**.

* The Department of Agriculture, Co-operation and Farmers' Welfare (DAC&FW) is the constituent department of Ministry of Agriculture and Farmers' Welfare.

* The Department is headed by Minister of Agriculture and Farmers' Welfare.

89. A

Sol. * **The Lyrid meteor shower appears annually between April 16 and 25 every year.**

* The source of the meteor shower is particles of dust shed by the long-period Comet C/1861 G1 Thatcher.

* The comet takes about 415 years to orbit around the Sun.

* It was discovered by A. E. Thatcher.

90. B

Sol. * **Odia (2014) is the sixth Indian language to be designated a Classical language.**

* It is the official language of Odisha and the second official language of Jharkhand.

* Six languages in India namely Tamil, Telugu, Sanskrit, Kannada, Malayalam and Odia have been given the status of classical language.

91. B

Sol. * **Crew Dragon spacecraft has been developed by Space X for NASA's manned mission to International Space Station.**

* Its primary role is to transport crews to and from the ISS under NASA's Commercial Crew Program.

* It is capable of carrying up to 7 passengers to and from Earth orbit, and beyond.

* Space Exploration Technologies Corp. (SpaceX) is an American aerospace manufacturer.

* It was founded in 2002 by Elon Musk.

* It is headquartered in Hawthorne, California, USA.

92. D

Sol. * **Ben Stokes is an English cricketer.**

* He is the current vice-captain of the England Test team.

* He made his ODI and T20I debuts in 2011, and his Test debut in 2013.

* He was part of the England team that won the 2019 Cricket World Cup,

* He was named the Wisden Leading Cricketer in the World in 2019 and 2020.

* He won the ICC Award for Best Men's Cricketer in 2019.

93. A

Sol.

- * **Jofra Archer, Pat Cummins, Ellyse Perry, Simon Harmer, and Marnus Labuschagne** was named the Wisden Five Cricketers of the Year by the 2020 edition of the Wisden Almanack.
- * Ellyse Perry is the first overseas woman to win this award.
- * Andre Russell was named the Leading T20 Cricketer in 2019.
- * The Wisden Five Cricketers of the Year in 2019 were Rory Burns, Tammy Beaumont, Jos Buttler, Virat Kohli, and Sam Curran.
- * Dom Sibley, Zak Crawley, Jason Holder, Mohammad Rizwan and Darren Stevens have been named Wisden Cricketers of the Year in the 2021 edition of the Wisden Almanack.

94. B

Sol. * **The Self-Help Group (SHG) is a financial intermediary committee.**

- * It is usually composed of 12 to 25 local women between the ages of 18 and 50.
- * Self help groups (SHG) helps borrowers to overcome the problem of lack of collateral.

95. C

Sol. * 'Chu-Faat' dance is a beautiful folk dance of **Sikkim**.

- * **Lepcha tribe** performs this dance during the Pang Lhabsol festival.
- * It is performed on the fifteenth day of the seventh month in the Buddhist Calendar.

96. C

Sol. * According to WIPO's annual report for the year 2019, **China** ranks first in filing international patents worldwide.

- * China topped this report, followed by, the U.S, Japan, Germany, Republic of Korea, France, United Kingdom, Switzerland, Sweden and Netherlands.

* **In 2018, US topped this list.**

- * The World Intellectual Property Organization (WIPO) is the specialized agencies of the United Nations (UN).
- * It was created to promote and protect intellectual property (IP) across the world.

- * It was formed on July 14, 1967.
- * It is headquartered in Geneva, Switzerland.

97. D

Sol. * **Serum Institute of India (SII) is an Indian biotechnology and biopharmaceuticals company.**

- * It is headquartered in Pune, Maharashtra.
- * It is the world's largest manufacturer of vaccines.
- * It is a part of Cyrus Poonawalla Group.
- * It was founded by Cyrus Poonawalla in **1966**.

98. C

Sol. * **Srivilliputhur Elephant Reserve (Periyar Elephant Reserve) is located in Tamil Nadu.**

- * It is also known as the Grizzled Squirrel Wildlife Sanctuary.
- * It was declared as a sanctuary in December 1989.

99. D

Sol. * **Kishanganga river (Neelum River) is the largest tributary of the Jhelum.**

- * It originates in the north of Indian Jammu and Kashmir.
- * It flows through the Neelam District of Pakistan Occupied Kashmir (POK) and then merges with the Jhelum River near the city of Muzaffarabad, POK.
- * The river was renamed the Neelum River in Pakistan in **1956**.

100. B

Sol. * **Adikavi Pampa was a Kannada-language Jain poet.**

- * He was a court poet of Chalukya king Arikesari II.
- * He is best known for his epics **Vikramarjuna Vijaya or Pampa Bharata, and the Adi purana.**

* Vikramarjuna Vijaya is a Kannada version of the Mahabharata of Vyasa.

Mock Test Solutions in Hindi

Questions

1. 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'.

Children need much of guidance in how to use the internet wisely and efficiently.

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

At loggerheads

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

Be harmonious or consistent with

- | | |
|-----------|------------|
| A. Record | B. Cordon |
| C. Accord | D. Discord |

- 4. Select the INCORRECTLY spelt word.**

- | | |
|---------------------|-----------------|
| A. Opportunities | B. Capabilities |
| C. Responsibilities | D. Journeys |

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

Are these library books their?

- A. Are these
B. library
C. books
D. Their

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

Mohan was very hungry so he had missed breakfast that morning.

- A. Mohan was B. breakfast that morning

- C. so he had missed D. very hungry

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

Last week we thrown a party for Arun.

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

____ you please help me with my computer?

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

PROACTIVE

- | | |
|-------------|------------------|
| A. Headless | B. Short-sighted |
| C. Reactive | D. Enthusiastic |

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

Did you visit _____ Nehru Planetarium in Delhi during the eclipse?

- A. the
 - B. any
 - C. a
 - D. An

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

SUFFICIENT

12. Select the INCORRECTLY spelt word.

- A. Parallel
 - B. Expel
 - C. Repel
 - D. Foretell

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

A situation when no progress is possible

At a stretch

- A. Within a month
 - B. After some time
 - C. Without a stop
 - D. During a year

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

I like to go on a trip with Rahul as he is cheerful and _____.

- A. easy-going
 - B. uncaring
 - C. closed
 - D. Tense

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

STRENUOUS

- | | |
|-----------|--------------|
| A. Easy | B. Light |
| C. Feeble | D. Difficult |

17. 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 am trying my best to give in junk food.

18. 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'.

You should live throughout your means.

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

Watching one's pet cat is therapeutic and can make one quite _____ to the real world outside.

- | | |
|--------------|-------------|
| A. obvious | B. envious |
| C. oblivious | D. studious |

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

STATIONARY

- | | |
|-----------|-----------|
| A. Square | B. Moving |
| C. Watch | D. Still |

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.

Many years ago, I met a panchayat president (1) _____ a state literacy programme who talked to me (2) _____ Cuba's literacy programme where teachers, students and volunteers (3) _____ in a well organised, massive nationwide literacy movement. They (4) _____ people in the remotest of villages and were (5) _____ successful in their mission.

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

- | | |
|-----------|----------|
| A. when | B. while |
| C. during | D. Which |

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

- | | |
|-----------|------------|
| A. around | B. About |
| C. Across | D. Through |

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

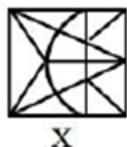
- | | |
|-----------------|----------------|
| A. joined hands | B. join forces |
| C. collaborate | D. Combine |

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

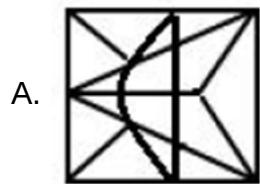
- | | |
|--------------------|-------------------|
| A. reaches out for | B. reach out for |
| C. reaching out to | D. reached out to |

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

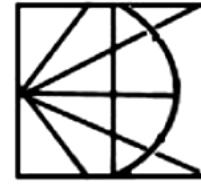
- | | |
|----------------|----------------|
| A. exceedingly | B. excessively |
|----------------|----------------|



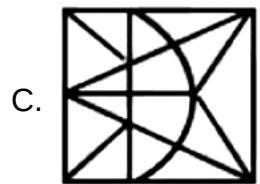
x



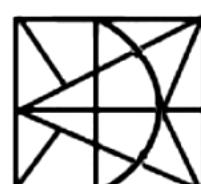
A.



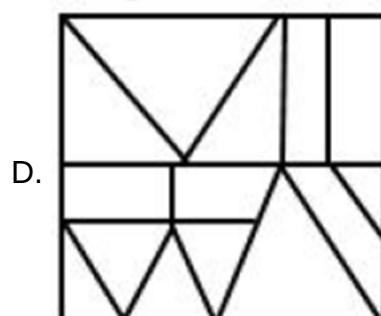
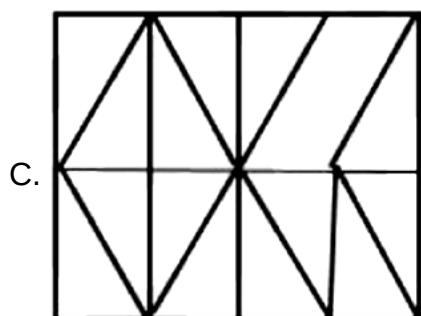
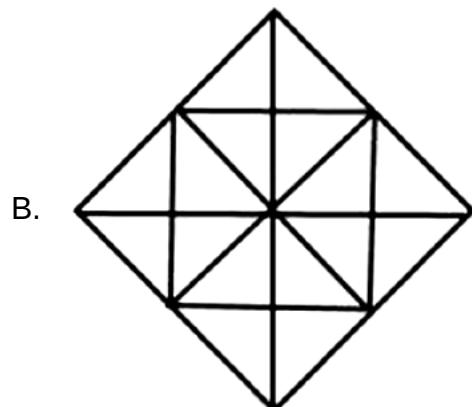
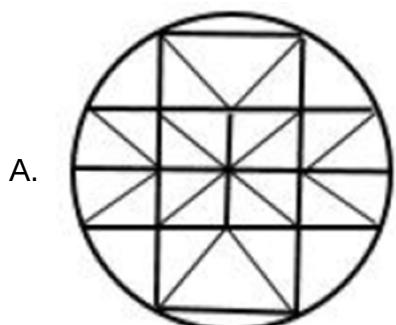
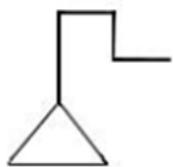
B.



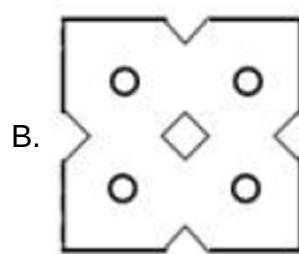
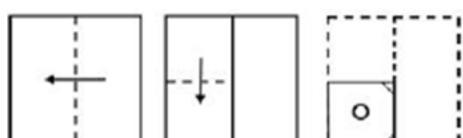
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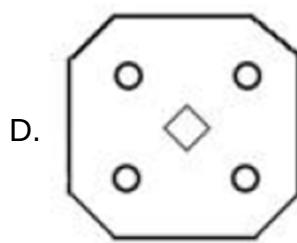
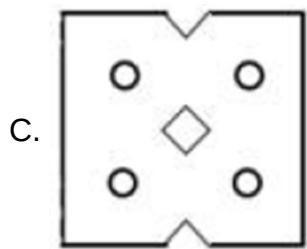
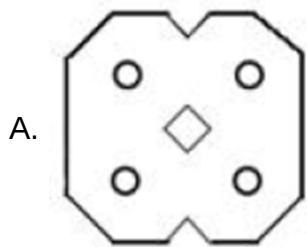


D



31. कागज के एक टुकड़े को मोड़ने का क्रम और जिस तरीके से मोड़े गए कागज को काटा गया है, उसे नीचे दी गई आकृतियों में दर्शाया गया है।
कागज खोले जाने पर कैसा दिखाई देगा?





32. छह व्यक्ति अर्थात् P, Q, R, S, T और U एक के बाद एक पत्रिका पढ़ते हैं।

i. S इसे पढ़ने वाला न तो पहला और न ही अंतिम व्यक्ति था।

ii. P और T के मध्य उतने ही पाठक थे जितने R और P के मध्य थे।

iii. S इसे Q से कुछ समय पहले पढ़ता है, जो इसे U के कुछ समय बाद पढ़ता है।

iv. जिसने इसे अंत में पढ़ा था, उसने इसे R से लिया था। वे दो व्यक्ति कौन थे जिन्होंने क्रमशः पहले और अंत में पत्रिका को पढ़ा था?

A. P और Q

B. T और Q

C. P और U

D. T और U

33. आठ व्यक्ति अर्थात् A, B, C, D, E, F, G और H एक वृताकार मेज की चारों ओर केंद्र की ओर मुख करके बैठे हैं।

i. D, G और A के मध्य में है तथा B की ओर मुख किए हुए हैं।

ii. F, A और H के मध्य में है, तथा H, D की दाईं ओर से तीसरे स्थान पर है।

iii. E, G की दाईं ओर से दूसरे स्थान पर है। C की ठीक दाईं ओर कौन से व्यक्ति बैठे हैं?

A. AHF

B. ADF

C. BFH

D. EBH

34. तीन कथनों के बाद तीन निष्कर्ष संख्या I, II और III दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे वास्तविक दुनिया के ज्ञान के अनुरूप न हों, निर्णय करें कि कौन सा/से निष्कर्ष तार्किक रूप से दिए गए कथनों का अनुसरण करता है/अनुसरण करते हैं।

कथन:

- 1). सभी बिल्डिंग, शॉप हैं।
- 2). कुछ शॉप, बुटीक हैं।
- 3). कोई रेस्टोरेंट, बुटीक नहीं है।

निष्कर्ष:

I. कुछ बुटीक, बिल्डिंग हैं।

II. कुछ रेस्टोरेंट के बिल्डिंग होने की संभावना है।

III. कोई रेस्टोरेंट, शॉप नहीं है।

A. केवल निष्कर्ष I और II अनुसरण करते हैं।

C. केवल निष्कर्ष II और III अनुसरण करते हैं।

B. केवल निष्कर्ष I अनुसरण करता है।

D. केवल निष्कर्ष II अनुसरण करता है।

35. निम्नलिखित शब्दों में कौन सा अक्षर समूह प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगा?

CBD, XYW, FEG, UVT, IHJ, ?

A. ORP

B. STR

C. RQS

D. RSQ

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

FHKO : UQNL :: MORV : ?

A. PLIG

B. NJGE

C. NLIE

D. NIFD

37. यदि प्रतीक - और ÷ को आपस में बदल दिया जाए, तो निम्नलिखित में से कौन सा समीकरण सही होगा?

A. $12 \div 3 + 9 - 9 = 4$

B. $9 \div 9 - 9 + 9 = 9$

C. $12 + 4 - 4 \div 2 = 3$

D. $6 \div 3 + 12 - 6 = 5$

38. निम्नलिखित संख्या शृंखला में कौन सी संख्या प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगी?

19, 22, 28, 37, 40, ?, 55, 58

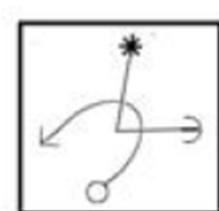
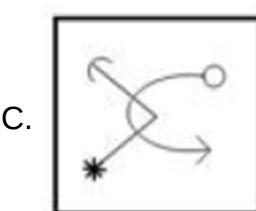
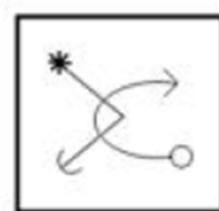
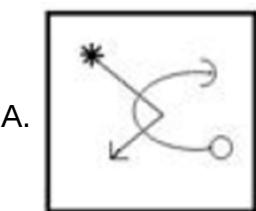
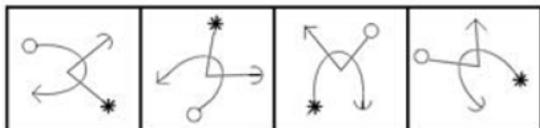
A. 46

C. 49

B. 43

D. 47

39. निम्नलिखित आकृति शरूँखला में कौन सी विकल्प आकृति आगे आएगी?



40. यदि PEDAGOGUE को DEPNFZEUG के रूप में कूटबद्ध किया जाता है, तो HAMSTRING को किस प्रकार कूटबद्ध किया जाएगा?

A. MAHQSRGNI

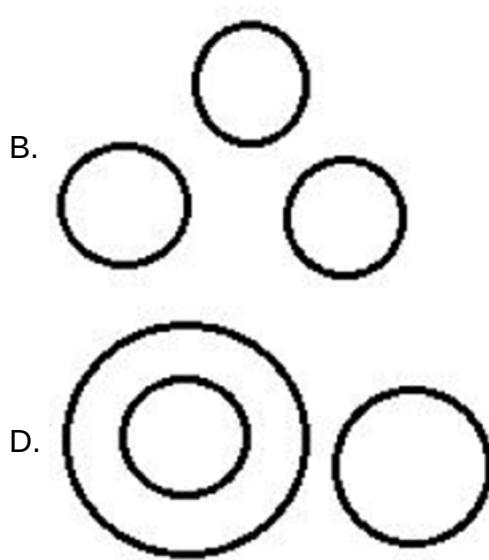
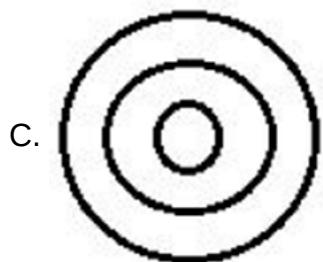
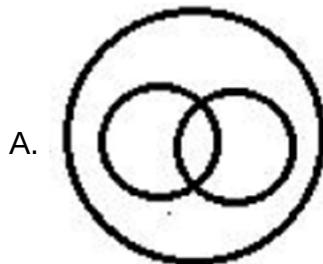
B. MAHSUTGNI

C. ASRNGITMH

D. SMAHTGNIR

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

सूर्य, ग्रह, बृहस्पति ग्रह



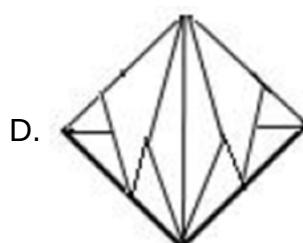
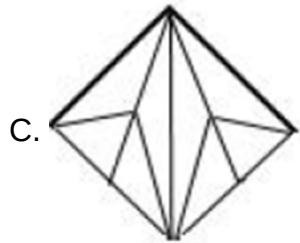
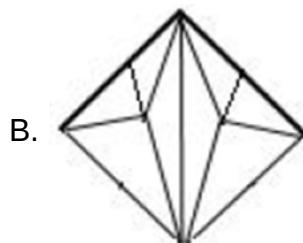
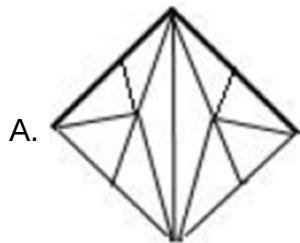
$$18 \div 9 + 12 \times 4 - 8 = 15$$

45. विकल्पों में से उस संख्या का चयन करें जो दिए गए समच्चय में संख्याओं के समान हो।

(425, 902, 713)

- A. 624 B. 555
C. 218 D. 319

46. उस विकल्प आकृति का चयन करें. जिसे आकृति के रिक्त स्थान में रखे जाने पर पैटर्न पूरा हो जाएगा।



47. दो कथनों के बाद दो निष्कर्ष संख्या I और II दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे वास्तविक दुनिया के ज्ञान के अनुरूप न हों, निर्णय करें कि कौन सा/से निष्कर्ष तार्किक रूप से दिए गए कथनों का अनुसरण करता है/अनुसरण करते हैं।

कथन:

- 1). कुछ इंस्ट्रुमेंट्स, मशीन हैं।
- 2). सभी इंस्ट्रुमेंट्स, गैजेट्स हैं।

निष्कर्ष:

- I. कोई मशीन, गैजेट नहीं है।
- II. कुछ मशीन, गैजेट्स हैं।

- A. न तो निष्कर्ष | न तो निष्कर्ष || अनुसरण करते हैं
C. केवल निष्कर्ष || अनुसरण करता है
- B. या तो निष्कर्ष | या निष्कर्ष || अनुसरण करता है
D. केवल निष्कर्ष | अनुसरण करता है

48. उस संख्या युग्म का चयन करें जिसमें दो संख्याएं उसी प्रकार संबंधित हैं जिस प्रकार नीचे दिए गए युग्म की दो संख्याएं संबंधित हैं।

20 : 68

- A. 5 : 18
C. 25 : 90
- B. 30 : 110
D. 12 : 30

49. जिस प्रकार 'घनत्व' का संबंध 'हाइड्रोमीटर' से है उसी प्रकार 'द्रव्यमान' का संबंध '_____ ' से है।

- A. किलोग्राम
C. संतुलन
- B. गुरुत्व
D. आयतन

50. 19 व्यक्ति एक कतार में खड़े हैं।

- i. मनीष पीछे से सातवें स्थान पर है।
ii. रिंकू, मनीष और सीमा के ठीक मध्य में है।
iii. सीमा और रिंकू के मध्य तीन व्यक्ति हैं।

आगे से सीमा की स्थिति क्या है?

- A. पांचवीं
C. छठी
- B. चौथी
D. सातवीं

51. एक दिन में 8 घंटे काम करने पर बीस व्यक्ति एक निश्चित कार्य को पूरा करने के लिए 15 दिन लेते हैं। तो उसी कार्य को 4 दिनों में पूरा करने के लिए, 60 व्यक्तियों को प्रतिदिन कितने घंटे काम करना चाहिए?

- A. 11
C. 9
- B. 12
D. 10

52. **निर्देश:** नीचे दिए गए आरेख का अध्ययन करें और दिए गए प्रश्नों के उत्तर दें।

Target and Actual Production of AC's (in thousands)
of a factory over five months



किस महीने में AC का वास्तविक उत्पादन लक्ष्य उत्पादन से 20% अधिक है?

- A. मार्च
C. अप्रैल

मार्च और अप्रैल में AC के वास्तविक उत्पादन तथा जनवरी और अप्रैल में AC के संयुक्त लक्ष्य उत्पादन का अनुपात ज्ञात करें?

A. 6 : 5
C. 5 : 2

मार्च में AC का वास्तविक उत्पादन 5 महीने की अवधि में AC के औसत लक्ष्य उत्पादन से कितना प्रतिशत अधिक है (निकटतम पूर्णक तक सही)?

A. 38%
C. 39%

समान लंबाई की दो ट्रेनें समान दिशा में समांतर पटरियों पर 44 किमी/घंटा और 32 किमी/घंटा की गति से चल रही हैं। यदि तेज गति वाली ट्रेन दूसरी ट्रेन को 72 सेकंड में पार करती है। तो प्रत्येक ट्रेन की लंबाई (मीटर में) क्या होगी?

A. 135
C. 100

एक लम्ब वृत्तीय बेलन के वक्र पृष्ठ का क्षेत्रफल 19.5 वर्ग मीटर है और इसका आयतन 39 घन मीटर है। तो इसके आधार की त्रिज्या (मीटर में) ज्ञात करें?

A. 6
C. 3

एक हवाई जहाज एक निश्चित दूरी को 190 किमी/घंटा की गति से 7 घंटे में तय करता है। उसी दूरी को $4 \frac{3}{4}$ घंटे में तय करने के लिए, उसे निम्नलिखित में से किस गति (किमी/घंटा में) से यात्रा करनी होगी?

A. 275
B. 280

C. 300

D. 240

58. $\frac{7}{10} \div \frac{7}{5}$ of $\left[\frac{21}{10} + \frac{13}{5} \right] + \left[\frac{1}{10} \times \frac{10}{47} - \frac{6}{47} \right]$ का मान ज्ञात करें?

A. 5

B. 0

C. 1

D. 10

59. एक परीक्षा में, उत्तीर्ण और अनुत्तीर्ण होने वाले उम्मीदवारों की संख्या का अनुपात 5 : 2 था। यदि अनुत्तीर्ण उम्मीदवारों की संख्या 14 अधिक होती, तो यह अनुपात 4 : 3 होता, तो इस परीक्षा में बैठने वाले उम्मीदवारों की संख्या ज्ञात करें?

A. 126

B. 98

C. 70

D. 100

60. 10 सेमी और 12 सेमी त्रिरज्या वाले दो वृत्त एक दूसरे को प्रतिच्छेद करते हैं और उनकी उभयनिष्ठ जीवा की लंबाई 16 सेमी है। तो उनके केंदरों के बीच की दूरी (सेमी में) ज्ञात करें?

A. $6 + 3\sqrt{5}$

B. $6 + 4\sqrt{5}$

C. $6 + 5\sqrt{5}$

D. $6 + 2\sqrt{5}$

61. यदि $x : y : z = 1 : 2 : 3$ है, तो $\left(\frac{x^2 + 2y^2 + z^2}{3x^2 - 2y^2 + 4z^2} \right)$ का मान निम्न में से क्या होगा?

A. $\frac{15}{31}$

B. $\frac{16}{31}$

C. $\frac{18}{31}$

D. $\frac{19}{31}$

62. वह सबसे बड़ी संख्या कौन सी है जो 2036 और 233 को विभाजित करने पर क्रमशः 12 और 13 शेषफल देती है?

A. 36

B. 44

C. 42

D. 46

63. A और B की आय का अनुपात 1:2 है और उनके व्यय का 2:3 है। यदि B के व्यय का 80% A की आय के बराबर है, तो A और B की बचत का अनुपात ज्ञात करें?

A. 9 : 2

B. 2 : 9

C. 7 : 3

D. 3 : 7

64. एक परिवार का औसत मासिक खर्च पहले तीन महीनों के दौरान 10,000 रुपये, अगले चार महीनों के दौरान 12,500 रुपये और वर्ष के आखिरी पांच महीनों के दौरान 13,500 रुपये था। यदि वर्ष के दौरान कुल बचत 32,500 रुपये थी, तो इस परिवार की औसत मासिक आय (रुपये में) ज्ञात करें?

A. 15,000

B. 17,250

C. 13,750

D. 14,250

65. जब चीनी की कीमत 30% बढ़ जाती है, तो एक व्यक्ति चीनी पर अपने खर्च में केवल 12% की वृद्धि करता है। व्यय के समान स्तर को बनाए रखने में सक्षम होने के लिए उसे चीनी की खपत को कितने प्रतिशत (दो दशमलव स्थानों तक सही) तक कम करना चाहिए?

- A. चिकनगुनिया
B. मलेरिया
C. काला अजार
D. पोलियो
82. 2024 तक चंद्रमा पर पहली महिला और अगले पुरुष को लैंड कराने के नासा कार्यक्रम का नाम निम्नलिखित में से कौन सा है?
A. ओरियन
B. आर्टमिस
C. अपोलो
D. नाइक
83. निम्नलिखित में से किस केंद्र शासित प्रदेश का राज्यों की परिषद में प्रतिनिधित्व है?
A. चंडीगढ़
B. लक्षद्वीप
C. अंडमान व निकोबार द्वीप समूह
D. पुदुचेरी
84. किस शास्त्रीय अर्थशास्त्री ने निम्नलिखित वाक्यांश "प्रत्येक से उसकी क्षमता के अनुसार, प्रत्येक को उसकी आवश्यकता के अनुसार" लोकप्रिय किया?
A. डेविड रिकार्डो
B. जॉन स्ट्रुअर्ट मिल
C. एडम स्मिथ
D. काल मार्क्स
85. ब्रह्म कांचीभोटला, जिनका अप्रैल 2020 में अमेरिका में निधन हो गया, उनको _____ के क्षेत्र में उनके योगदान के लिए जाना जाता है।
A. चिकित्सीय विज्ञान
B. खेल
C. थियेटर
D. पत्रकारिता
86. ब्रिटिश शासन के प्रति उदारवादी नीति के लिए कांग्रेस की कड़ी आलोचना करते हुए 'न्यू लैम्प्स फॉर ओल्ड' शीर्षक वाले लेखों की शृंखला किसके द्वारा लिखी गई थी?
A. लाला लाजपत राय
B. बिपिन चंद्र पाल
C. श्री अरबिंदो
D. बाल गंगाधर तिलक
87. वर्ष 2009 में, निम्नलिखित में से किसे 15वीं लोकसभा में विपक्ष के नेता के रूप में नियुक्त किया गया था?
A. अरुण जेटली
B. सुषमा स्वराज
C. अनंत कुमार
D. स्मृति ईरानी
88. कृषि, सहकारिता एवं किसान कल्याण विभाग द्वारा जून 2020 में प्रकाशित 'बागवानी उत्पादन के द्वितीय अग्रिम अनुमान 2019-20' के अनुसार, 2019-20 में कुल बागवानी उत्पादन 2018-19 की तुलना में लगभग _____ अधिक होने का अनुमान है।
A. 3%
B. 2%
C. 4%
D. 1%
89. निम्नलिखित में से किस महीने में लिरिड्स नामक उल्कापिंड पृथ्वी से देखा जा सकता है?
A. अप्रैल
B. फरवरी
C. जून
D. अगस्त
90. 30 जून 2020 तक भारत सरकार द्वारा शास्त्रीय भाषाओं के रूप में मान्यता प्राप्त भाषाओं में से कौन सी नवीनतम है?

A. तेलुगु

C. मलयालम्

B. उड़िया

D. कन्नड़

91. निम्नलिखित में से स्पेस X द्वारा अंतर्राष्ट्रीय अंतरिक्ष स्टेशन के लिए नासा के मानवयुक्त मिशन हेतु विकसित अंतरिक्ष यान का नाम क्या है?
- A. क्रू सेंटोरस B. क्रू ड्रैगन
C. क्रू शार्क D. क्रू एरीज
92. क्रिकेटर बेन स्टोक्स निम्नलिखित में से किस देश के लिए खेलते हैं?
- A. दक्षिण अफ्रीका B. ऑस्ट्रेलिया
C. न्यूज़ीलैंड D. इंग्लैंड
93. निम्नलिखित क्रिकेटरों में से कौन विजडन अल्मनैक के 2020 संस्करण द्वारा नामित विजडन फाइव क्रिकेटर्स ऑफ द ईयर में शामिल नहीं है?
- A. आंद्रे रसेल B. एलिसे पेरी
C. जोफ्रा आर्चर D. पैट क्यूमिंस
94. निम्नलिखित में से कौन उधारकर्ताओं को संपादित की कमी की समस्या को दूर करने में मदद करता है?
- A. सिविल सोसायटी B. स्वयं सहायता समूह
C. दबाव समूह D. गैरसरकारी संगठन
95. सिक्किम का निम्नलिखित में से कौन सा समुदाय पारंपरिक रूप से 'चू-फाट' ('Chu- Faat') नामक लोकनृत्य से जुड़ा है?
- A. नेपाली B. तमाङ
C. लेपचा D. भूटिया
96. विश्व बौद्धिक संपदा संगठन (WIPO) के अनुसार, चीन वर्ष 2019 में इसके साथ दायर अंतर्राष्ट्रीय पेटेंट आवेदनों के शीर्ष स्रोत के रूप में उभरा। वर्ष 2018 में निम्नलिखित में से किस देश ने इस स्थान पर कब्जा किया?
- A. सिंगापुर B. जापान
C. यूएसए D. दक्षिण कोरिया
97. अग्रणी वैकसीन निर्माण कंपनी सीरम इंस्टीट्यूट ऑफ इंडिया प्राइवेट लिमिटेड निम्नलिखित में से किस कॉर्पोरेट घराने से संबंधित है?
- A. टाटा समूह B. अदानी समूह
C. रिलायंस समूह D. साइरस पूनावाला समूह
98. निम्नलिखित में से किस राज्य में श्रीविल्लीपुथुर हाथी अभ्यारण्य स्थित है?
- A. कर्नाटक B. तेलंगाना
C. तमिलनाडु D. आंध्र प्रदेश
99. निम्नलिखित में से किस नदी की किशनगंगा नदी इसकी प्रमुख सहायक नदियों में से एक है?
- A. सतलुज B. चिनाब
C. रवि D. झेलम

100. आदिकवि पम्पा ने निम्नलिखित में से किस भाषा में अपनी रचनाएँ रची थीं?

- A. मलयालम
- B. कन्नड़
- C. तेलुगु
- D. तमिल

Solutions

1. C

Sol. The underlined part is grammatically incorrect.

- * The noun “guidance” can directly take the determiner “much” before it. But the use of the preposition “of” after “much” makes the underlined part erroneous.
- * The noun “guidance” is an uncountable noun. Thus, we cannot use “many” with it.
- * Thus, “a lot” is grammatically fit in the underlined part.

The correct sentence will be: **Children need a lot of guidance in how to use the internet wisely and efficiently.**

Hence, option C is the correct answer.

2. B

Sol. The idiom “at loggerheads” means to disagree very strongly with something or someone.

e.g. The party is at loggerheads with the president over public spending.

Hence, option B is the correct answer.

3. C

Sol. Record = a written account of what has happened, been done, etc.

Cordon = a line or ring of police or soldiers that prevents people from entering an area

Accord = an agreement, especially between countries

Discord = disagreement or argument

Hence, option C is the correct answer.

4. D

Sol. Option D has the incorrectly spelt word. The correct spelling of the word is “journeys”. It is the act of travelling from one place to another, especially in a vehicle.

Other words and their meanings are:

Opportunities = an occasion or situation that makes it possible to do something that you want to do or have to do, or the possibility of doing something

Capabilities = the ability to do something

Responsibilities = something that it is your job or duty to deal with

5. D

Sol. Option D has the grammatically incorrect part.

* The error is in the use of the pronoun “their”.

* “Their” is a dependent possessive pronoun. It is followed by a noun.

e.g. Their house, their car, etc.

* The independent possessive pronoun “theirs” is used without a following noun as a pronoun equivalent in meaning to the adjective “their”.

e.g. Our cat is dark grey, but theirs is black.

* The pronoun “their” is not followed by any noun. Thus, it is erroneous here.

* We will replace it with “theirs”.

The correct sentence will be: **Are these library books theirs?**

6. C

Sol. Option C has the grammatically incorrect part.

* The conjunction “so” is used for saying what the purpose of an action is.

e.g. There weren’t enough beds, so I had to sleep on the floor.

* In the given sentence, the latter part mentions the reason why Mohan was hungry.

* We use the conjunction “as” to connect a result with a cause.

e.g. I went to bed at 9 pm as I had a plane to catch at 6 am.

* Thus, replace “so” with “as” to make the sentence grammatically sound.

The correct sentence will be: **Mohan was very hungry as he had missed breakfast that morning.**

7. A

Sol. Option A has the grammatically incorrect part.

* The sentence has a time word “last week”.

* Thus, we will use the verb in the simple past.

* We will replace the V3 “thrown” with “threw” to make the sentence grammatically sound.

The correct sentence will be: **Last week we threw a party for Arun.**

8. B

Sol. Let’s first see the use of the given modals:

Dare = have the courage to do something

Could = to ask for permission to do something

May = expressing possibility that something is true

Shall = used to indicate future action.

In the given sentence, the person is asking for help. Thus, the modal “could” fits in the blank perfectly.

Hence, option B is the correct answer.

9. D

Sol. Let's first see the meanings of the given words:

Proactive = taking action by causing change and not only reacting to change when it happens

e.g. Companies are going to have to be more proactive about environmental management.

Short-sighted = not thinking enough about how an action will affect the future

heedless = not giving attention to a risk or possible difficulty

Reactive = reacting to events or situations rather than acting first to change or prevent something

Enthusiastic = full of excitement and interest in something

e.g. You don't seem very enthusiastic about the party - don't you want to go tonight?

Hence, option D is the correct answer.

10. A

Sol. The blank is followed by a specific place, i.e. Nehru Planetarium.

Thus, we will use the definite article "the" in the blank.

Hence, option A is the correct answer.

11. A

Sol. Let's first see the meanings of the given words:

Sufficient = enough for a particular purpose

e.g. This recipe should be sufficient for five people.

Inadequate = not good enough or too low in quality

e.g. She rejected the \$2 million offer as totally inadequate.

Enough = as much as is necessary; in the amount or to the degree needed

Intense = extreme and forceful or (of a feeling) very strong

Precise = exact and accurate

Hence, option A is the correct answer.

12. A

Sol. Option A has the incorrectly spelt word. The correct spelling of the word is “parallel”. It is used to describe two or more straight lines being the same distance apart along all their length.

Other words and their meanings:

Expel = to force someone to leave a school, organization, or country

Repel = to force someone or something to stop moving towards you or attacking you

Foretell = to say what is going to happen in the future

13. C

Sol. Acceptance = general agreement that something is satisfactory or right, or that someone should be included in a group

Deadline = a time or day by which something must be done

Deadlock = a situation in which agreement in an argument cannot be reached because neither side will change its demands or accept any of the demands of the other side

Harmony = a pleasant musical sound made by different notes being played or sung at the same time

Hence, option C is the correct answer.

14. C

Sol. The idiom “at a stretch” means at one time without stopping.

e.g. She can sit and read for hours at a stretch.

Hence, option C is the correct answer.

15. A

Sol. Let's first see the meanings of the given words:

Easy-going = (used about a person) calm, relaxed and not easily worried or upset by what other people do

Uncaring = not displaying sympathy or concern for others.

Closed = unwilling to accept new ideas

Tense = unable to relax because of nervousness, anxiety, or stimulation.

* The sentence needs a positive adjective for the noun “Rahul”.

* Only “easy-going” is a positive adjective here.

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

16. D

Sol. Let's first see the meanings of the given words:

Strenuous = requiring or using great effort or exertion.

e.g. He rarely does anything more strenuous than changing the channels on the television.

Easy = needing little effort

Light = not weighing a lot

Feeble = weak and without energy, strength, or power

Difficult = needing skill or effort

e.g. Many things make it difficult for women to reach the top in US business.

Hence, option D is the correct answer.

17. C

Sol. The underlined part is grammatically incorrect.

* The phrase “give in” means to cease fighting or arguing; admit defeat.

e.g. He reluctantly gave in to the pressure.

* The person “I” is trying to avoid eating junk food.

* “Give up” means to stop trying to do something; to accept that you cannot do something.

e.g. They gave up once the other team had scored their third goal.

* Thus, replace “give in” with “give up” to make the sentence grammatically sound.

The correct sentence will be: I am trying my best to give up junk food.

Hence, option C is the correct answer.

18. C

Sol. The underlined part is grammatically incorrect.

* The preposition “throughout” means in every part, or during the whole period of time.

* The preposition “within” means inside the limits of something.

* The sentence implies that a person should know the limits.

* Thus, “within” should be used in the underlined part.

The correct sentence will be: You should live within your means.

Hence, option C is the correct answer.

19. C

Sol. Let's first see the meanings of the given words:

Obvious = not conscious of something, especially what is happening around you

Envious = wishing you had what another person has

Oblivious = not aware of or not noticing something, esp. what is happening around you

Studious = very careful or paying attention to all the small details

* Being around one's pet, makes one forget one's life problems.

* Thus, the word "oblivious" fits in the blank perfectly.

Hence, option C is the correct answer.

20. B

Sol. Let's first see the meanings of the given words:

Stationary = not moving, or not changing

e.g. The traffic got slower and slower until it was stationary.

Square = a flat shape with four sides of equal length and four angles of 90°

Moving = one that moves

e.g. The station is so crowded you can hardly move.

Watch = to look at something for a period of time

Still = continuing until now or until the time you are talking about and not finishing

Hence, option B is the correct answer.

21. C

Sol. Let's first see the meanings of the words given:

When = at what time; at the time at which

While = during the time that, or at the same time as

During = at some time between the beginning and the end of a period

Which = what one or ones

* The given blank requires a word to say that the person "I" met panchayat resident at some time in the midst of state literacy programme.

* The blank needs a preposition.

* Thus, "during" fits in the blank perfectly.

Hence, option C is the correct answer.

22. B

Sol. * The preposition "about" means "on the subject of, or connected with".

* Here, the person "I" talked to this another person on the subject of "Cuba's literacy programme".

* Thus, the preposition "about" fits in the blank perfectly.

Hence, option B is the correct answer.

23. A

Sol. * The whole passage is about a past event. It is in the simple past tense.

* The verb in the blank should be in the past too.

* Only "joined hands" is in V2.

Hence, option A is the correct answer.

24. D

Sol. * The whole passage is about a past event. It is in the simple past tense.

* The verb in the blank should be in the past too.

* Only option D has the correct form of the verb, i.e. V2 form (reached).

* Also, “reach out to someone” means to offer help or support to (someone).

Hence, option D is the correct answer.

25. B

Sol. Let's first see the meanings of the given words:

Exceedingly = to a very great degree

Excessively = in a way that is too much

Marginally = slightly

Negligibly = in a way that is too slight or small in amount to be of importance

* The blank needs an adverb to show that the programme was highly successful.

* Thus, the word “excessively” fits in the blank perfectly.

Hence, option B is the correct answer.

Hence, option B is the correct answer.

26. D

Sol. यहां अनुसरण किया गया तर्क है = शब्दों में वर्णमाला के स्थितीय मान का योग + (शब्दों की संख्या)*5

Friend=(6+18+9+5+13+4)+(6)*5=55+30=85

SICK=(19+9+3+11)+(4)*5=42+20=62

$$\text{FRECKLE} = (6+18+5+3+11+12+5)+(7)*5=95$$

इसलिए, विकल्प D सही उत्तर है।

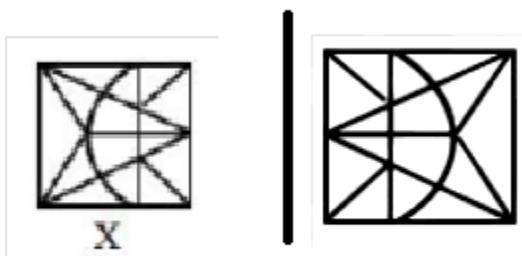
27. C

Sol. Tired (थका हुआ) व्यक्ति exhausted (थकना) हो जाता है, उसी तरह उदास (sad) व्यक्ति depressed (दुःखी) रहता है।

इसलिए, विकल्प C सही उत्तर है।

28. C

Sol. दी गई आकृति का दर्पण प्रतिबिम्ब नीचे दिया गया है:



इसलिए, विकल्प C सही उत्तर है।

29. B

Sol. $12=9+3$

$$17=12+2*3-1=12+5=17$$

$$26=17+2*5-1=17+9=26$$

$$43=26+2*9-1=26+17=43$$

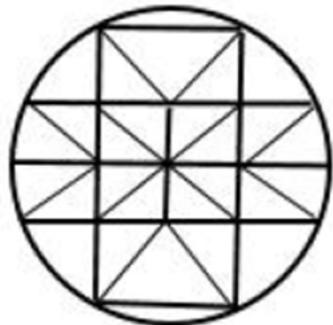
$$76=43+2*17-1=43+33=76$$

$$?=76+2*33-1=76+65=141$$

इसलिए, विकल्प B सही उत्तर है।

30. A

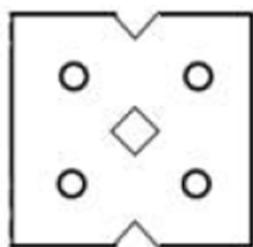
Sol. दी गई आकृति नीचे दी गई आकृति में अंतर्निहित है:



इसलिए, विकल्प A सही उत्तर है।

31. C

Sol. जब दिए गए कागज को निर्देशों के अनुसार मोड़ा और काटा जाता है और फिर खोल दिया जाता है, तो जो पैटर्न बनेगा वह नीचे दिया गया है:



इसलिए, विकल्प C सही उत्तर है।

32. B

Sol. प्रश्न के अनुसार छह व्यक्तियों का संभावित पठन पैटर्न नीचे दिया गया है:

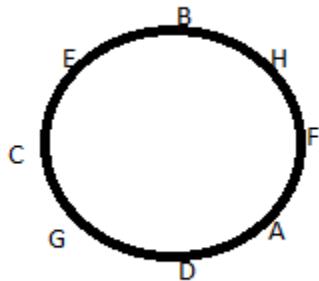
TSPURQ

अतः, T और Q पत्रिका को पढ़ने वाले पहले और अंतिम व्यक्ति थे।

इसलिए, विकल्प B सही उत्तर है।

33. D

Sol. व्यक्तियों के बैठने की चित्रमय व्यवस्था नीचे दी गई है:

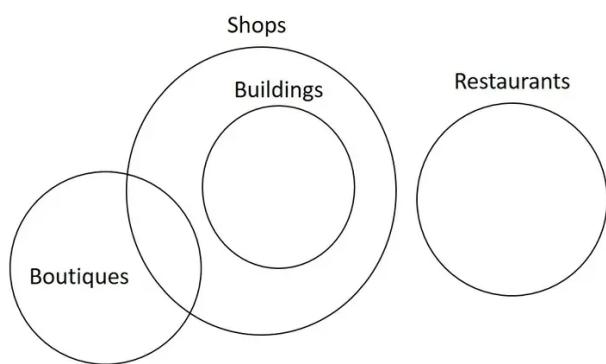


अतः EBH, C की ठीक बाईं ओर बैठे हैं।

इसलिए, विकल्प D सही उत्तर है।

34. D

Sol. दिए गए कथनों के अनुसार वेन आरेख है:



निष्कर्ष:

I. कुछ बुटीक, बिल्डिंग हैं – गलत है क्योंकि इनके बीच कोई संबंध नहीं है।

II. कुछ रेस्टोरेंट के बिल्डिंग होने की संभावना है – यह संभव हो सकता है क्योंकि कोई भी रेस्टोरेंट, बुटीक नहीं है लेकिन रेस्टोरेंट, बिल्डिंग हो सकते हैं।

III. कोई रेस्टोरेंट, शॉप नहीं है – गलत है क्योंकि रेस्टोरेंट और शॉप के बीच कोई सीधा संबंध नहीं है।

इसलिए, विकल्प D सही उत्तर है।

35. D

Sol. यहां तर्क यह है कि अगला वर्णमाला समूह पिछले वर्णमाला समूह के स्थितीय मान के विपरीत है

X=C

Y=B

W=D

इसी प्रकार, I=R, H=S और J=Q

तो, RSQ अगला समूह है।

इसलिए, विकल्प D सही उत्तर है।

36. B

Sol. यहां अनुसरण किए गए तर्क को नीचे समझाया गया है :

F विपरीत अक्षर =U

H = विपरीत अक्षर -2=S-2=Q

K= विपरीत अक्षर -2=P-2=N

O= विपरीत अक्षर =L

इसी प्रकार, M= N

O= L-2=J

R=I-2=G

V=E

इसलिए, विकल्प B सही उत्तर है।

37. D

Sol. इस प्रकार के प्रश्नों को हिट एंड ट्रायल विधि द्वारा हल किया जाता है

अतः, विकल्प D को हल करें

$$6 \div 3 + 12 - 6 = 5$$

परस्पर बदलाव के बाद

$$6 - 3 + 12 \div 6 = 5$$

BODMAS नियम लागू करने पर,

$$6-3+2=5$$

$$8-3=5$$

$$5=5$$

इसलिए, विकल्प D सही उत्तर है।

38. A

Sol. यहां तर्क यह है कि 3,6,9 के अंतर पर प्रत्येक तीन पदों के बाद इसे दोहराया गया है:

$$19+3=22$$

$$22+6=28$$

$$28+9=37$$

$$37+3=40$$

$$40+6=46$$

$$46 + 9=55$$

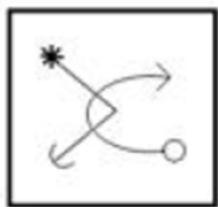
$$55+3=58$$

इसलिए, विकल्प A सही उत्तर है।

39. B

Sol. यहां तर्क यह है कि पूरी आकृति एक कदम 45 डिग्री वामावर्त चलती है। इसके अलावा, वैकल्पिक रूप से, छोर पर छोटी आकृति पहले एक दूसरे के साथ और फिर वक्र और कोण के बीच स्थिति का आदान-प्रदान करती है।

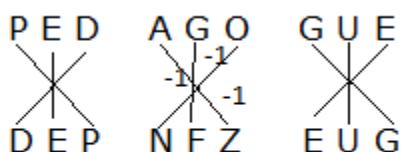
इसलिए, शर्खला को पूरा करने वाली आकृति नीचे दी गई है -



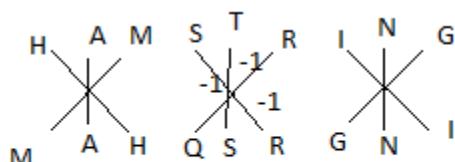
इसलिए, विकल्प B सही उत्तर है।

40. A

Sol.



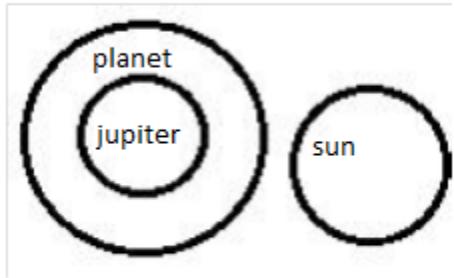
इसी प्रकार, HAMSTRING = MAHQSRGNI



इसलिए, विकल्प A सही उत्तर है।

41. D

Sol. बृहस्पति एक ग्रह है जबकि सूर्य एक तारा है :



इसलिए, विकल्प D सही उत्तर है।

42. D

Sol. यहां अनुसरण किए गए तर्क को नीचे समझाया गया है:

दिए गए शब्दों को उल्टे क्रम में लिखें और फिर एक स्थितीय मान घटाएं

MOTHER=REHTOM तथा SHEATH=HTAEHS

R-1=Q	H-1=G
E-1=D	T-1=S
H-1=G	A-1=Z
T-1=S	E-1=D
O-1=N	H-1=G
M-1=L	S-1=R

इसलिए, विकल्प D सही उत्तर है।

43. C

Sol. यहां तर्क दिया गया है (अक्षरों की संख्या)*2+3

Market=(6)*2+3=12+3=15

Submarine=9*2+3=21

Conventional=12*2+3=27

इसलिए, विकल्प C सही उत्तर है।

44. D

Sol. इस प्रकार के प्रश्नों को हिट एंड ट्रायल विधि द्वारा हल किया जाता है

अतः, विकल्प D को हल करें

$$18 \div 9 + 12 \times 4 - 8 = 15$$

प्रस्पर बदलाव के बाद

$$18 - 9 + 12 \times 4 \div 8 = 15$$

BODMAS नियम लागू करने पर

$$18-9+12\times0.5=5$$

$$18-9+6=5$$

$$24-9=15$$

$$15=15$$

इसलिए, विकल्प D सही उत्तर है।

45. C

Sol. $425 = 4 + 2 + 5 = 11$

$$902 = 9 + 0 + 2 = 11$$

$$713 = 7 + 1 + 3 = 11$$

$$218 = 2 + 1 + 8 = 11$$

इसलिए, विकल्प C सही उत्तर है।

46. C

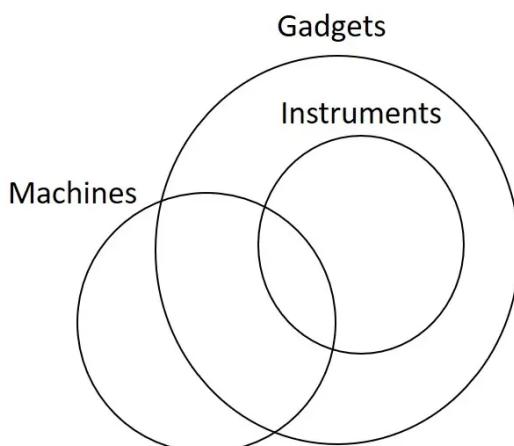
Sol. आकृति जो दिए गए आकृति पैटर्न को पूरा करेगी नीचे दी गई है :



इसलिए, विकल्प C सही उत्तर है।

47. C

Sol. दिए गए कथनों के अनुसार बेन आरेख है -



निष्कर्षः

I. कोई मशीन, गैजेट नहीं है - गलत है, क्योंकि सभी इंस्ट्रुमेंट्स, गैजेट्स हैं और कुछ इंस्ट्रुमेंट्स, मशीन हैं, इसलिए कुछ मशीन, गैजेट भी हैं।

II. कुछ मशीन, गैजेट्स हैं – सही है, सभी इंस्ट्रुमेंट्स, गैजेट्स हैं और कुछ इंस्ट्रुमेंट्स, मशीन हैं, इसलिए कुछ मशीन, गैजेट भी हैं।

इसलिए, विकल्प C सही उत्तर है।

48. D

Sol. $20 = 4^2 + 4 = 16 + 4 = 20$

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

$$12 = 3^2 + 3 = 12$$

$$30 = 3^3 + 3 = 30$$

इसलिए, विकल्प D सही उत्तर है।

49. C

Sol. घनत्व को हाइड्रोमीटर द्वारा मापा जाता है उसी प्रकार द्रव्यमान को एक संतुलन द्वारा मापा जाता है।

इसलिए, विकल्प C सही उत्तर है।

50. A

Sol. मनीष की रेंक = पीछे से सातवां तथा आगे से तेरहवां

$$\text{सीमा की रेंक} = \text{रिकू की स्थिति} - 4$$

$$\text{रिकू की स्थिति} = \text{मनीष की स्थिति} - 4 = 13 - 4 = 9$$

$$\text{सीमा की स्थिति} = \text{रिकू की स्थिति} - 4 = 9 - 4 = 5$$

अतः सीमा आगे से पांचवें स्थान पर है।

इसलिए, विकल्प A सही उत्तर है।

51. D

Sol. एक दिन में 8 घंटे काम करते हुए, बीस व्यक्ति एक निश्चित कार्य को पूरा करने के लिए 15 दिन लेते हैं।

मान लीजिए कि 60 व्यक्ति प्रतिदिन x घंटे कार्य करते हुए एक निश्चित कार्य को पूरा करने में 4 दिन का समय लेते हैं।

$$\frac{M_1 \times D_1 \times H_1}{W_1} = \frac{M_2 \times D_2 \times H_2}{W_2} \text{ का प्रयोग करने पर}$$

$$\Rightarrow 20 \times 15 \times 8 = 60 \times 4 \times x$$

$$\Rightarrow x = 10 \text{ दिन}$$

अतः 60 व्यक्ति प्रतिदिन 10 घंटे कार्य करते हुए एक निश्चित कार्य को पूरा करने में 4 दिन का समय लेंगे।

52. B

Sol. AC उत्पादन का वह प्रतिशत जो वास्तविक मार्च में लक्ष्य उत्पादन से अधिक है

$$= \frac{100 - 80}{80} \times 100 = \frac{20}{80} \times 100 = 25\%$$

वह प्रतिशत जितना AC का वास्तविक उत्पादन मई में लक्ष्य उत्पादन से अधिक है = $\frac{120 - 100}{100} \times 100 = \frac{20}{100} \times 100 = 20\%$

स्पष्ट रूप से, मई महीने में AC का वास्तविक उत्पादन लक्ष्य उत्पादन से 20% अधिक है।

53. A

Sol. मार्च और अप्रैल में AC का वास्तविक उत्पादन = 100 + 80 = 180

जनवरी और अप्रैल में AC का संयुक्त लक्ष्य उत्पादन = 60 + 90 = 150

आवश्यक अनुपात = 180 : 150 = 6 : 5

54. C

Sol. मार्च में AC का वास्तविक उत्पादन = 100

5 महीने की अवधि में AC का औसत लक्ष्य उत्पादन = $\frac{60 + 30 + 80 + 90 + 100}{5} = \frac{360}{5} = 72$

आवश्यक प्रतिशत = $\frac{100 - 72}{72} \times 100 = \frac{28}{72} \times 100 = 38.88\% \approx 39\%$

55. B

Sol. समान लंबाई की दो ट्रेनें समान दिशा में समांतर पटरियों पर 44 किमी/घंटा और 32 किमी/घंटा की गति से चल रही हैं। यदि तेज गति वाली ट्रेन दूसरी ट्रेन को 72 सेकंड में पार करती है।

तो इन दोनों ट्रेनों की सापेक्ष गति $44 - 32 = 12$ किमी/घंटा

तेज ट्रेन दूसरी ट्रेन को 72 सेकंड में पार करती है।

माना प्रत्येक ट्रेन की लंबाई (मीटर में) = x मीटर

हम जानते हैं कि गति = कुल दूरी/लिया गया कुल समय

$$\Rightarrow 12 \times \frac{5}{18} = \frac{x + x}{72}$$

$$\Rightarrow 2x = 240 \text{ meter}$$

$$\Rightarrow x = 120 \text{ meter}$$

अतः प्रत्येक ट्रेन की लंबाई (मीटर में) = 120 मीटर

56. D

Sol. लम्ब वृत्तीय बेलन के वक्र पृष्ठ का क्षेत्रफल = 19.5 मीटर²

$$\Rightarrow 2\pi rh = 19.5 \text{ मीटर}^2 \dots\dots\dots(1)$$

$$\text{बेलन का आयतन} = 39 \text{ m}^3$$

$$\Rightarrow \pi r^2 h = 39 \text{ m}^3 \dots\dots\dots(2)$$

(2) को 1 से विभाजित करने पर

$$\Rightarrow \frac{\pi r^2 h}{2\pi rh} = \frac{39}{19.5}$$

$$\Rightarrow \frac{r}{2} = 2$$

$$\Rightarrow r = 4$$

अतः इसके आधार की त्रिज्या (मीटर में) = 4 मीटर

57. B

Sol. एक हवाई जहाज एक निश्चित दूरी को 190 किमी/घंटा की गति से 7 घंटे में तय करता है।

$$\text{हवाई जहाज द्वारा तय की गई दूरी} = 190 \times 7 = 1330 \text{ meter}$$

$$\text{इस दूरी को } 4 \frac{3}{4} \text{ घंटे में तय करने के लिए हवाई जहाज की गति} = \frac{1330}{\frac{19}{4}} = 280 \text{ km/hr}$$

58. B

$$\text{Sol. } \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{21}{10} + \frac{13}{5} \right] + \left[\frac{1}{10} \times \frac{10}{47} - \frac{6}{47} \right]$$

BODMAS का प्रयोग करने पर:

$$\Rightarrow \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{47}{10} \right] + \left[\frac{1}{47} - \frac{6}{47} \right]$$

$$\Rightarrow \frac{7}{10} \div \frac{7}{5} \text{ of } \left[\frac{47}{10} \right] + \left[-\frac{5}{47} \right]$$

$$\Rightarrow \frac{7}{10} \div \frac{7 \times 47}{50} - \frac{5}{47} = \frac{7}{10} \times \frac{50}{7 \times 47} - \frac{5}{47} = \frac{5}{47} - \frac{5}{47} = 0$$

59. B

Sol. एक परीक्षा में, उत्तीर्ण और अनुत्तीर्ण होने वाले उम्मीदवारों की संख्या का अनुपात 5: 2 था।

माना परीक्षा उत्तीर्ण करने वाले उम्मीदवारों की संख्या = $5x$

परीक्षा में अनुत्तीर्ण होने वाले उम्मीदवारों की संख्या = $2x$

यदि अनुत्तीर्ण होने वालों की संख्या 14 अधिक होती तो यह अनुपात 4:3 होता।

$$\Rightarrow \frac{5x - 14}{2x + 14} = \frac{4}{3}$$

$$\Rightarrow 15x - 42 = 8x + 56$$

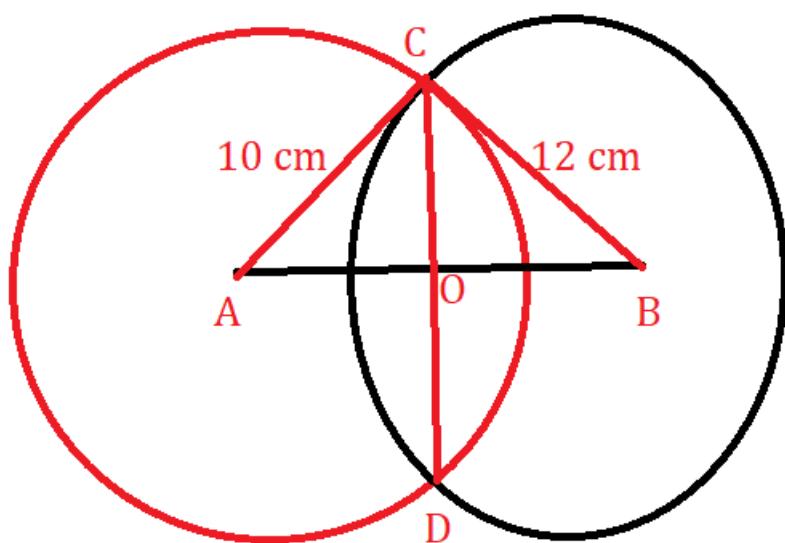
$$\Rightarrow 7x = 98$$

$$\Rightarrow x = 14$$

अब, परीक्षा में बैठने वाले उम्मीदवारों की संख्या = $5x + 2x = 7x = 7 \times 14 = 98$

60. B

Sol. 10 सेमी और 12 सेमी त्रिज्या वाले दो वृत्त एक दूसरे को प्रतिच्छेद करते हैं और उनकी उभयनिष्ठ जीवा की लंबाई 16 सेमी है।



हम जानते हैं कि उभयनिष्ठ जीवा दो वृत्तों के केंद्रों को मिलाने वाली रेखा से द्विभाजित होती है।

$$\text{इसलिए, } CO = \frac{16}{2} = 8 \text{ सेमी}$$

साथ ही, उभयनिष्ठ जीवा दो वृत्तों के केंद्रों को मिलाने वाली रेखा के लंबवत होगी।

समकोण त्रिभुज में AOC :

$$\Rightarrow AO = \sqrt{(10)^2 - (8)^2} = \sqrt{100 - 64} = 6 \text{ सेमी}$$

समकोण त्रिभुज BOC में:

$$\Rightarrow BO = \sqrt{(12)^2 - (8)^2} = \sqrt{144 - 64} = \sqrt{80} = 4\sqrt{5} \text{ सेमी}$$

$$\text{अब, उनके केंद्रों के बीच की दूरी (सेमी में) = } AO + BO = (6 + 4\sqrt{5}) \text{ cm}$$

61. C

Sol. $x : y : z = 1 : 2 : 3$

माना $x = k$, $y = 2k$ और $z = 3k$

$$\text{अब, } \left(\frac{x^2 + 2y^2 + z^2}{3x^2 - 2y^2 + 4z^2} \right) = \frac{(k)^2 + 2(2k)^2 + (3k)^2}{3(k)^2 - 2(2k)^2 + 4(3k)^2} = \frac{1+8+9}{3-8+36} = \frac{18}{31}$$

62. B

Sol. आवश्यक संख्या = $(2036 - 12)$ और $(233 - 13)$ का म.स. = 2024 और 220 का म.स.

$$2024 = 2 \times 2 \times 2 \times 11 \times 23$$

$$220 = 2 \times 2 \times 5 \times 11$$

$$\text{अतः, आवश्यक संख्या = 2024 और 220 का म.स. = } 2 \times 2 \times 11 = 44$$

63. B

Sol. A और B की आय का अनुपात 1:2 है और उनके व्यय का 2:3 है।

माना A की आय = x रुपये

B की आय = $2x$ रुपये

साथ ही, माना A का व्यय = 2 रुपये

B का व्यय = 3 रुपये

यदि B के व्यय का 80% A की आय के बराबर है

$$\Rightarrow \frac{80}{100}(3y) = x$$

$$\Rightarrow x = \frac{12}{5}y$$

$$A \text{ की बचत} = x - 2y = \frac{12}{5}y - 2y = \frac{2}{5}y$$

$$B \text{ की बचत} = 2x - 3y = 2\left(\frac{12}{5}y\right) - 3y = \frac{9}{5}y$$

$$\text{अब, } A \text{ और } B \text{ की बचत का अनुपात} = \frac{2}{5}y : \frac{9}{5}y = 2 : 9$$

64. A

Sol. एक परिवार का औसत मासिक खर्च पहले तीन महीनों के दौरान 10,000 रुपये, अगले चार महीनों के दौरान 12,500 रुपये और वर्ष के आखिरी पांच महीनों के दौरान 13,500 रुपये था।

परिवार का कुल खर्च =

$$3 \times 10000 + 4 \times 12500 + 5 \times 13500 = 30000 + 50000 + 67500 = \text{Rs. 147500}$$

वर्ष के दौरान कुल बचत = 32500 रुपये

कुल आय = 147500 रुपये + 32500 रुपये = 180000 रुपये

$$\text{परिवार की औसत मासिक आय (रुपये में)} = \frac{180000}{12} = \text{Rs. 15000}$$

65. B

Sol. जब चीनी की कीमत 30% बढ़ जाती है, तो एक व्यक्ति चीनी पर अपने खर्च में केवल 12% की वृद्धि करता है।

माना चीनी का प्रारंभिक मूल्य = 100x

$$\text{वृद्धि के बाद चीनी की कीमत} = 100x \times \frac{130}{100} = 130x$$

चीनी का प्रारंभिक व्यय = $100y$

$$\text{वृद्धि के बाद व्यय} = 100y \times \frac{112}{100} = 112y$$

जैसा कि हम जानते हैं, व्यय = मूल्य × खपत

$$\text{प्रारंभिक खपत} = \frac{100y}{100x} = \frac{y}{x}$$

$$\text{अंतिम खपत} = \frac{112y}{130x}$$

$$\text{आवश्यक \%} = \frac{\frac{y}{x} - \frac{112y}{130x}}{\frac{y}{x}} \times 100 = \left(1 - \frac{112}{130}\right) \times 100 = \frac{130 - 112}{130} \times 100 = 13.85\%$$

66. A

Sol. 'A' अकेले किसी काम को 10 दिनों में कर सकता है और 'B' अकेले उसे 15 दिनों में कर सकता है।

'C' की सहायता से उन्होंने इस कार्य को 5 दिनों में पूरा किया।

माना कुल कार्य = (10, 15, 5) ल.स. = 30 इकाई

$$A \text{ की दक्षता} = \frac{30}{10} = 3 \text{ unit/day}$$

$$B \text{ की दक्षता} = \frac{30}{15} = 2 \text{ unit/day}$$

$$A, B \text{ और } C \text{ की दक्षता} = \frac{30}{5} = 6 \text{ unit/day}$$

$$C \text{ की दक्षता} = 6 - 3 - 2 = 1 \text{ इकाई / दिन}$$

पूरे काम के लिए कुल राशि = 42000 रुपए

$$C \text{ को भुगतान की गई राशि} = \frac{1}{6} \times 42000 = \text{Rs. } 7000$$

67. A

Sol. माना A के लिए वस्तु का क्रय मूल्य = $100x$

A एक वस्तु B को 12% लाभ पर बेचता है।

$$A \text{ के लिए वस्तु का विक्रय मूल्य} = 100x \times \frac{112}{100} = 112x$$

$$B \text{ के लिए वस्तु का क्रय मूल्य} = 112x$$

B इसे 9% हानि पर C को बेचता है।

$$B \text{ के लिए वस्तु का विक्रय मूल्य} = 112x \times \frac{91}{100} = 101.92x$$

$$C \text{ के लिए वस्तु का क्रय मूल्य} = 101.92x$$

प्रश्न के अनुसार:

$$\Rightarrow 101.92x = 15288 \text{ रुपये}$$

$$\Rightarrow x = 150 \text{ रुपये}$$

$$\Rightarrow 100x = 15000 \text{ रुपये}$$

$$A \text{ के लिए वस्तु का क्रय मूल्य} = 15000 \text{ रुपये}$$

68. C

Sol. एक सप्ताह में चाय के एक बैग का वजन 350 किलो, 280 किलो, 340 किलो, 270 किलो, 360 किलो, 310 किलो, 300 किलो था।

$$\text{रेज} = \text{उच्चतम भार} - \text{न्यूनतम भार} = 360 - 270 = 90 \text{ किलो}$$

69. A

Sol. समलम्ब चतुर्भुज की समानांतर भुजाएँ 25 सेमी और 19 सेमी लंबी हैं, और उनके बीच की दूरी 15 सेमी है

समलम्ब का क्षेत्रफल (वर्ग सेमी में) =

$$\frac{1}{2} (\text{Sum of parallel sides}) \times \text{distance between them} = \frac{1}{2} \times (25+19) \times 15 = 330 \text{ सेमी}^2$$

70. D

Sol. एक वस्तु का विक्रय मूल्य क्रय मूल्य का $\frac{7}{6}$ गुना है।

माना वस्तु का क्रय मूल्य = x

$$\text{वस्तु का विक्रय मूल्य} = \left(\frac{7}{6}x\right) \text{रुपये}$$

$$\text{लाभ \%} = \frac{\frac{7}{6}x - x}{x} \times 100 = \frac{x}{6x} \times 100 = 16.67\%$$

71. D

Sol. एक किसान ने अपने खेत में खेती करने के लिए एक साहूकार से 1,32,000 रुपये उधार लिए। ब्याज की दर 12.5% प्रतिवर्ष चक्रवृद्धि है।

समय = 2 वर्ष

$$\text{राशि} = P \left(1 + \frac{\text{Rate}}{100}\right)^{\text{time}} = 132000 \left(1 + \frac{12.5}{100}\right)^2 = 132000 \times \frac{9}{8} \times \frac{9}{8} = \text{Rs. } 167062.5$$

दो वर्षों के अंत में, उसने 1,0762.50 रुपये और अपने स्कूटर का भुगतान करके अपना कर्ज चुका दिया।

स्कूटर की लागत (रुपये में) = 167062.5 रुपये – 107062.5 रुपये = 60000 रुपये

72. C

Sol. माना वस्तु का अंकित मूल्य = x रुपये

छूट = 10%

वस्तु का विक्रय मूल्य = 450 रुपये

प्रश्न के अनुसार:

$$\Rightarrow x \times \frac{90}{100} = \text{Rs. } 450$$

$$\Rightarrow x = \frac{45000}{90} = \text{Rs. } 500$$

यदि छूट न दी गई होती तो लाभ 25% होता।

यदि कोई छूट नहीं है तो वस्तु का विक्रय मूल्य = अंकित मूल्य = 500 रुपये

$$\text{वस्तु का क्रय मूल्य (रुपये में)} = 500 \times \frac{100}{125} = \text{Rs. } 400$$

73. C

Sol. एक कक्षा में 100 छात्र हैं, जिनमें 70% लड़कियां हैं और अन्य लड़के हैं।

$$\text{लड़कियों की संख्या} = 100 \times \frac{70}{100} = 70$$

$$\text{लड़कों की संख्या} = 100 - 70 = 30$$

$$\text{माना लड़कियों का औसत अंक} = x$$

$$\text{लड़कों का औसत स्कोर} = y$$

एक परीक्षा में लड़कियों का औसत अंक लड़कों की तुलना में 20% अधिक है।

$$x = y + \frac{20}{100}y = \frac{6y}{5} \dots\dots\dots(1)$$

सभी छातरों का औसत स्कोर 57 है।

$$\Rightarrow \frac{70x + 30y}{100} = 57$$

$$\Rightarrow 70x + 30y = 5700$$

$$\Rightarrow 7\left(\frac{6y}{5}\right) + 3y = 570$$

$$\Rightarrow \frac{57y}{5} = 570$$

$$\Rightarrow 57y = 2850$$

$$\Rightarrow y = 50$$

अतः लड़कों का औसत अंक = 50

74. A

Sol. $\left\{ \left(4 - \frac{2}{1 + \frac{2}{1 - \frac{1}{2 + \frac{3}{4}}}} \right) \div 1 \frac{5}{12} \text{ of } \frac{72}{145} - (4 + 3 \div 0.5 - 1) \right\}$

BODMAS का प्रयोग करने पर

$$\Rightarrow \left\{ \left(4 - \frac{2}{1 + \frac{2}{1 - \frac{4}{11}}} \right) \div \frac{17}{12} \text{ of } \frac{72}{145} - (4 + 6 - 1) \right\}$$

$$\Rightarrow \left\{ \left(4 - \frac{2}{1 + \frac{22}{7}} \right) \div \frac{17}{12} \times \frac{72}{145} - (9) \right\}$$

$$\Rightarrow \left(4 - \frac{14}{29} \right) \div \left(\frac{6 \times 17}{145} \right) - 9$$

$$\Rightarrow \left(\frac{102}{29} \right) \times \left(\frac{145}{6 \times 17} \right) - 9$$

$$\Rightarrow \frac{5 \times 6}{6} - 9 = -4$$

75. B

Sol. माना एक पुस्तक की आठ प्रतियों में से प्रत्येक का क्रय मूल्य = 1 रुपये

एक किताब की आठ प्रतियों के लिए कुल राशि = 8 रुपये

मूलधन = 8 रुपये

एक किताब की 10 प्रतियों के लिए कुल पैसा = 10 रुपये

अतः ब्याज = 10 रुपये - 8 रुपये = 2 रुपये

$$\text{Simple Interest} = \frac{\text{Principal} \times \text{Rate} \times \text{time}}{100}$$

$$\Rightarrow 2 = \frac{8 \times \text{Rate} \times 1}{100}$$

$$\Rightarrow \text{Rate} = \frac{200}{8}\% = 25\%$$

76. A

Sol. * गोदावरी गंगा के बाद भारत की दूसरी सबसे लंबी नदी है।

* इसका उद्गम त्रयंबकेश्वर, नासिक, महाराष्ट्र में होता है।

* गोदावरी नदी की प्रमुख सहायक नदियाँ प्रवर, पूर्णा, मंजरा, पेंगंगा, वर्धा, वैनगंगा प्राणहिता (वैनगंगा, पेंगंगा, वर्धा का संयुक्त प्रवाह), इंद्रावती, मनेर और साबरी हैं।

* वर्धा नदी मध्य प्रदेश के बैतूल ज़िले के पास सतपुड़ा शरणी में निकलती है।

77. D

Sol. * भारत की स्टैच्यू ऑफ यूनिटी को शंघाई सहयोग संगठन (SCO) के आठ अजूबों की सूची में शामिल किया गया है।

* यह स्टैच्यू, गुजरात में केवड़िया कॉलोनी में नर्मदा नदी पर सरदार सरोवर बांध के पास स्थित है।

* स्टैच्यू ॲफ यूनिटी 182 मीटर (597 फीट) ऊंची विश्व की सबसे ऊंची प्रतिमा है।

* स्टैच्यू ॲफ यूनिटी के अलावा SCO के अन्य सात अजूबों में चीन में डैमिंग पैलेस, ताजिकिस्तान में नवरुज पैलेस, पाकिस्तान में मुगलों की विरासत, कजाकिस्तान में तामगली गॉर्ज, उज्बेकिस्तान में पो-ए-कलां कॉम्प्लेक्स रूस और लाहौर की गोल्डन रिंग, पाकिस्तान में मुगलों की विरासत शामिल हैं।

* SCO यूरेशिया से आठ सदस्यीय गठबंधन है जिसमें भारत, चीन, पाकिस्तान, कजाकिस्तान, किर्गिस्तान, रूस, ताजिकिस्तान और उज्बेकिस्तान शामिल हैं।

78. C

Sol. * देवराय की लड़ाई (12-14 अप्रैल, 1659) मुगल सम्राट औरंगजेब और उनके भाई दारा शिकोह के बीच लड़ी गई थी।

* इस युद्ध में औरंगजेब ने दारा शिकोह को हराया था।

* यह लड़ाई पूर्वोत्तर भारत के देवराई में लड़ी गई थी।

79. D

Sol. * क्वारंटिन आमतौर पर दिसंबर के अंत और जनवरी के दूसरे सप्ताह के बीच सक्रिय होते हैं।

* क्वारंटिन, क्षुद्रग्रह 2003 EH1 से संबंधित हैं।

* क्षुद्रग्रह को सूर्य के चारों ओर परिक्रमा करने में लगभग 5.5 वर्ष लगते हैं।

* क्वारंटिन अपने चमकीले आग के गोले के उल्काओं के लिए भी जाने जाते हैं।

* क्वारंटिन को उत्तरी गोलार्ध में सबसे अच्छी तरह से देखा जाता है।

80. B

Sol. * भारतीय संविधान का अनुच्छेद 320 भारत में संघ और राज्य लोक सेवा आयोगों के कर्तव्यों और कार्यों से संबंधित है।

* भारत के संविधान के अनुच्छेद 312 के अनुसार, संसद को संघ और राज्यों के लिए एक या अधिक अखिल भारतीय सेवाएं (एक अखिल भारतीय न्यायिक सेवा सहित) बनाने का अधिकार है।

* भारतीय संविधान का अनुच्छेद 316 लोक सेवा आयोग के सदस्यों की नियुक्ति और कार्यकाल से संबंधित है।

81. C

Sol. * काला अजार लीशमैनिया प्रजाति के प्रोटोजोआ परजीवी के कारण होता है।

* काला अजार (काला बुखार) को विसरल लीशमैनियासिस के नाम से भी जाना जाता है।

* यह मादा फ्लेबोटोमाइन सैंडफ्लाइज़ के काटने से होता है।

82. B

Sol. * आर्टेमिस कार्यक्रम एक मानव अंतरिक्ष उड़ान कार्यक्रम है।

* यह चंद्रमा के दक्षिणी ध्रुव (2025 तक) पर पहली महिला अंतरिक्ष यात्री और पहली अंतरिक्ष यात्री को लैंड कराने के लक्ष्य के साथ नासा द्वारा संचालित एक सतत अंतरिक्ष मिशन है।

* यह 1972 में अपोलो 17 के बाद से अमेरिकी अंतरिक्ष एजेंसी का पहला क्रू मून मिशन है।

* आर्टेमिस चंद्रमा की पौराणिक ग्रीक देवी और अपोलो की जुड़वां बहन है।

83. D

Sol. * राज्यसभा में दिल्ली और पुडुचेरी का प्रतिनिधित्व है।

* उत्तर प्रदेश (31) में राज्यसभा में सबसे अधिक सदस्य हैं।

* राज्य सभा (राज्यों की परिषद) भारत की द्विसदनीय संसद का ऊपरी सदन है।

* 2021 तक इसकी अधिकतम सदस्यता 245 है।

* राज्यसभा भंग नहीं होती है।

* भारत का उपराष्ट्रपति राज्यसभा का पदेन सभापति होता है।

84. D

Sol. * "प्रत्येक से उसकी क्षमता के अनुसार, प्रत्येक को उसकी आवश्यकता के अनुसार" कार्ल मार्क्स द्वारा लोकप्रिय नारा है।

* यह नारा कार्ल मार्क्स ने 1875 में दिया था।

* यह सिद्धांत माल, पूँजी और सेवाओं तक मुफ्त पहुंच और वितरण को संदर्भित करता है।

* कार्ल मार्क्स एक जर्मन दार्शनिक और अर्थशास्त्री थे।

* उन्हें "द कम्युनिस्ट मेनिफेस्टो" और "दास कैपिटल" के लिए सबसे ज्यादा जाना जाता है।

85. D

Sol. * ब्रह्मानंदम "ब्रह्म" कांचीभोटला एक भारतीय-अमेरिकी पत्रकार थे।

* उन्हें संयुक्त राज्य अमेरिका में तेलुगु समुदाय के विकास पर उनके व्यापक लेखन के लिए जाना जाता था।

* 6 अप्रैल 2020 को अमेरिका के न्यूयॉर्क में उनका निधन हो गया।

86. C

Sol. * "न्यू लैम्स फॉर ओल्ड" नामक पुस्तक श्री अरबिंदो द्वारा लिखी गई थी।

* यह पुस्तक 1893 में प्रकाशित हुई थी।

* श्री अरबिंदो एक भारतीय दार्शनिक, योग गुरु, कवि और भारतीय राष्ट्रवादी थे।

* वह ब्रिटिश औपनिवेशिक शासन से स्वतंत्रता के लिए भारतीय आंदोलन में शामिल हो गए।

87. B

Sol. * सुषमा स्वराज को 21 दिसंबर 2009 को लाल कृष्ण आडवाणी के स्थान पर 15 वीं लोकसभा में विपक्ष के नेता के रूप में नियुक्त किया गया था।

* उन्होंने मई 2014 तक इस पद को बरकरार रखा।

* उन्होंने पहली नरेंद्र मोदी सरकार (2014-2019) में भारत के विदेश मंत्री के रूप में कार्य किया।

* वह सात बार संसद सदस्य और तीन बार विधान सभा सदस्य के रूप में चुनी गई।

88. A

Sol. * कृषि, सहकारिता और किसान कल्याण विभाग द्वारा जून 2020 में 'बागवानी उत्पादन 2019-20 का दूसरा अग्रिम अनुमान' प्रकाशित किया गया।

* इस रिपोर्ट के अनुसार, 2019-20 में कुल बागवानी उत्पादन 2018-19 की तुलना में लगभग 3.13% अधिक होने का अनुमान लगाया गया।

* कृषि, सहकारिता और किसान कल्याण विभाग (DAC & FW) कृषि और किसान कल्याण मंत्रालय का घटक विभाग है।

* विभाग का नेतृत्व कृषि और किसान कल्याण मंत्री करते हैं।

89. A

Sol. * लिरिड्स उल्का बौछार प्रतिवर्ष 16 से 25 अप्रैल के बीच दिखाई देती है।

* उल्का बौछार का स्रोत लंबी अवधि के धूमकेतु C/1861 G1 थैंचर द्वारा बहाए गए धूल के कण होते हैं।

* धूमकेतु को सूर्य की परिक्रमा करने में लगभग 415 वर्ष लगते हैं।

* इसकी खोज ए.ई. थैंचर ने की थी।

90. B

Sol. * ओडिया (2014) शास्त्रीय भाषा नामित होने वाली छठी भारतीय भाषा है।

* यह ओडिशा की आधिकारिक भाषा और झारखण्ड की दूसरी आधिकारिक भाषा है।

* भारत में छह भाषाओं तमिल, तेलुगु, संस्कृत, कन्नड़, मलयालम और उड़िया को शास्त्रीय भाषा का दर्जा दिया गया।

91. B

Sol. * क्रू इरेन अंतरिक्ष यान को स्पेस X द्वारा अंतर्राष्ट्रीय अंतरिक्ष स्टेशन के लिए नासा के मानवयुक्त मिशन हेतु विकसित किया गया है।

* इसकी प्राथमिक भूमिका नासा के वाणिज्यिक क्रू कार्यक्रम के तहत आईएसएस से और उसके लिए कर्मचारियों को परिवहन करना है।

* यह 7 यात्रियों को पृथ्वी की कक्षा में और उससे आगे तक ले जाने में सक्षम है।

* स्पेस एक्सप्लोरेशन टेक्नोलॉजीज कार्पोरेशन (स्पेसएक्स) एक अमेरिकी एयरोस्पेस निर्माता है।

* इसकी स्थापना 2002 में एलन मस्क ने की थी।

* इसका मुख्यालय हॉथोर्न, कैलिफोर्निया, यूएसए में है।

92. D

Sol. * बेन स्टोक्स एक इंगिलिश क्रिकेटर हैं।

* वह इंग्लैंड टेस्ट टीम के वर्तमान उप-कप्तान हैं।

* उन्होंने 2011 में अपना ODI और T20I डेब्यू किया और 2013 में टेस्ट डेब्यू किया।

* वह 2019 क्रिकेट विश्व कप जीतने वाली इंग्लैंड टीम का हिस्सा थे।

* उन्हें 2019 और 2020 में विजडन लीडिंग क्रिकेटर इन द वर्ल्ड नामित किया गया था।

* उन्होंने 2019 में सर्वश्रेष्ठ पुरुष क्रिकेटर का ICC पुरस्कार जीता।

93. A

Sol. * जोफ्रा आर्चर, पैट क्यूमिंस, एलिसे पेरी, साइमन हार्मर और मार्नस लैब्सचगने को विजडन अल्मनैक के 2020 संस्करण द्वारा विजडन फाइव क्रिकेटर्स ऑफ द ईयर नामित किया गया था।

* एलिसे पेरी यह पुरस्कार जीतने वाली पहली विदेशी महिला हैं।

* आंदरे रसेल को 2019 में अग्रणी T20 क्रिकेटर नामित किया गया था।

* 2019 में विजडन फाइव क्रिकेटर्स ऑफ द ईयर रोरी बर्न्स, टैमी ब्यूमोंट, जोस बटलर, विराट कोहली और सैम कुरेन थे।

* डोम सिबली, जाक क्रॉली, जेसन होल्डर, मोहम्मद रिजवान और डैरेन स्टीवंस को विजडन अल्मनैक के 2021 संस्करण में विजडन क्रिकेटर्स ऑफ द ईयर चुना गया है।

94. B

Sol. * स्वयं सहायता समूह (SHG) एक वित्तीय मध्यस्थ समिति है।

* यह आमतौर पर 18 से 50 वर्ष की आयु के बीच 12 से 25 स्थानीय महिलाओं से बना होता है।

* स्वयं सहायता समूह (SHG) उधारकर्ताओं को संपादित की कमी की समस्या को दूर करने में मदद करता है।

95. C

Sol. * 'चू-फाट' ('Chu-Faat') नृत्य सिक्किम का एक सुंदर लोक नृत्य है।

* लेपचा जनजाति इस नृत्य को पांग ल्हाबसोल (Pang Lhabsol) उत्सव के दौरान करती है।

* यह बौद्ध कैलेंडर में सातवें महीने के पंद्रहवें दिन किया जाता है।

96. C

Sol. * WIPO की वर्ष 2019 की वार्षिक रिपोर्ट के अनुसार, चीन विश्व भर में अंतर्राष्ट्रीय पेटेंट दाखिल करने में पहले स्थान पर है।

* इस रिपोर्ट में चीन सबसे ऊपर है, उसके बाद अमेरिका, जापान, जर्मनी, कोरिया गणराज्य, फ्रांस, यूनाइटेड किंगडम, स्विट्जरलैंड, स्वीडन और नीदरलैंड हैं।

* 2018 में अमेरिका इस सूची में सबसे ऊपर था।

* विश्व बौद्धिक संपदा संगठन (WIPO) संयुक्त राष्ट्र (UN) की विशेष एजेंसी है।

* इसे विश्व भर में बौद्धिक संपदा (IP) को बढ़ावा देने और उसकी रक्षा करने के लिए बनाया गया था।

* इसका गठन 14 जुलाई 1967 को हुआ था।

* इसका मुख्यालय जिनेवा, स्विट्जरलैंड में है।

97. D

Sol. * सीरम इंस्टीट्यूट ऑफ इंडिया (SII) एक भारतीय जैव प्रौद्योगिकी और बायोफर्मासिटिकल कंपनी है।

* इसका मुख्यालय पुणे, महाराष्ट्र में है।

* यह वैक्सीन का विश्व का सबसे बड़ा निर्माता है।

* यह साइरस पूनावाला समूह का हिस्सा है।

* इसकी स्थापना 1966 में साइरस पूनावाला ने की थी।

98. C

Sol. * श्रीविल्लीपुथुर हाथी अभ्यारण्य (पेरियार हाथी अभ्यारण्य) तमில்நாடு में स्थित है।

* इसे गिरजल्ड गिलहरी वन्यजीव अभ्यारण्य के रूप में भी जाना जाता है।

* इसे दिसंबर 1989 में एक अभ्यारण्य के रूप में घोषित किया गया था।

99. D

Sol. * किशनगंगा नदी (नीलम नदी) झेलम की सबसे बड़ी सहायक नदी है।

* इसका उद्गम भारतीय जम्मू और कश्मीर के उत्तर में होता है।

* यह पाकिस्तान अधिकृत कश्मीर (पीओके) के नीलम जिले से होकर बहती है और फिर पीओके के मुजफ्फराबाद शहर के पास झेलम नदी में मिल जाती है।

* 1956 में पाकिस्तान में नदी का नाम बदलकर नीलम नदी कर दिया गया।

100. B

Sol. * आदिकवि पम्पा कन्नड़ भाषा के जैन कवि थे।

* वह चालुक्य राजा अरिकेसरी ॥ के दरबारी कवि थे।

* वह अपने महाकाव्य विक्रमार्जुन विजया या पम्पा भरत और आदि पुराण के लिए सबसे ज्यादा जाने जाते हैं।

* विक्रमार्जुन विजया व्यास के महाभारत का कन्नड़ संस्करण है।