



SSC MTS 2020 Tier I : 6

Oct S1

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

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

EFFICIENT

- | | |
|-----------|-----------|
| A. expert | B. common |
| C. idle | D. clever |

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

Close to one's heart

- | | |
|------------------------------|----------------------------------|
| A. One who is being followed | B. One who treats heart problems |
| C. One who is very emotional | D. Dear and important to oneself |

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

A place for keeping birds

- | | |
|-----------|-----------|
| A. Aviary | B. Apiary |
| C. Barn | D. Shed |

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

DELICATE

- | | |
|----------|-----------|
| A. brisk | B. robust |
| C. frail | D. Hearty |

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

The farmer is cutting the corn which has ripen in the fields.

- | | |
|------------------|---------------------|
| A. in the fields | B. which has ripen |
| C. The farmer is | D. cutting the corn |

6. Select the **INCORRECTLY** spelt word.

- | | |
|------------|-------------|
| A. Poletry | B. Symmetry |
| C. Sultry | D. Gentry |

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

Go bonkers

A. Become crazy

C. Become selfish

B. Become wealthy

D. Become greedy

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

I paid the plumber for repair the pipes.

A. for repair

B. the pipes

C. I paid

D. the plumber

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

The task has been _____ to the juniors.

A. assigned

B. attached

C. hired

D. elected

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

The strong wind blow off all the candles.

A. No substitution required

B. blew out

C. blow up

D. blowing away

11. 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.'

There are very little peoples in this world who are bold enough to defy social customs.

A. very few people

B. too much people

C. very much peoples

D. No substitution required

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

I visit my grandparents _____.

A. continuously

B. unevenly

C. regularly

D. finally

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

A person who pretends to be someone else to deceive others

- A. Actor
- B. Imposter
- C. Mentor
- D. Gangster

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

The children jumped at joy when they saw the slides in the park.

- A. when they saw
- B. at joy
- C. in the park
- D. The children jumped

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

He got away from punishment as there was not enough evidence against him.

- A. was getting away from
- B. No substitution required
- C. gets away from
- D. got out with

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

BAFFLE

- A. clarify
- B. perplex
- C. comfort
- D. Soothe

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

This lesson is _____ than the previous one.

- A. easiest
- B. more easier
- C. much easier
- D. Easy

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

STABLE

- A. steady
- B. shaky
- C. stout
- D. Safe

19. Select the INCORRECTLY spelt word.

- A. Tourist
- B. Chemist
- C. Cyclist
- D. Flowerist

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

is the reason for this chaos?

- A. Why
 - B. Whom
 - C. What
 - D. When

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

The judge, in a solemn manner, declared (###Q1###) there was enough evidence to (###Q2###) that Max had indeed (###Q3###) his neighbour's cat. This was a (###Q4###) crime and deserved an (###Q5###) punishment.

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

- A. that
 - B. what
 - C. so
 - D. Which

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

- | | |
|-----------|----------|
| A. result | B. test |
| C. check | D. Prove |

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

- A. stolen
 - B. stealing
 - C. stole
 - D. Steal

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

- | | |
|----------|------------|
| A. stern | B. serious |
| C. sober | D. Steady |

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

- A. invisible
 - B. improper
 - C. appropriate
 - D. Anxious

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

11, 13, 16, 26, 41, 67, 102, ?

27. Six students are sitting on a bench facing the interactive board in the classroom. A is sitting second to the right of B, while F is second to the right of E. If C is second right of A, then what is the sitting position of D

in respect of F?

- A. Immediate left
 - B. Second right
 - C. Third right
 - D. Second left

28. Select the correct alternative to indicate the sequential order of the following terms as they appear in a dictionary.

- 1). Dreamlike

- ## 2). Dreamer

- 3). Dreamy

- #### 4). Dreamland

- ### 5). Dreamtime

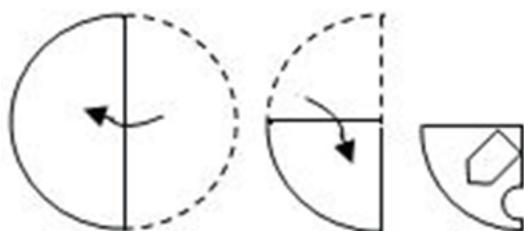
- A. 4 - 1 - 2 - 3 - 5

- B. 1 - 4 - 2 - 5 - 3

- C. 2 - 4 - 1 - 5 - 3

- D. 2 - 4 - 1 - 3 - 5

29. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?





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

RLKQSN

- A. NSQKLR
C. ΒΓΚΩΣΗ

- B. RLKQSN
D. NSQKLR

31. Select the correct sequence of mathematical signs to replace the * signs so as to balance the given equation.

$$92*4*36*13*9=104$$

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

32. Select the option word that is related to the third word in the same way as the second word is related to the first word.

Tuesday : Saturday :: May : _____.

- A. September
C. October
B. April
D. August

33. If in a coding system STAMINA is coded as 74 and OCTOBER is coded as 75, then how will IMPOSING be coded in the same coding system?

- A. 117
C. 114
B. 99
D. 102

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

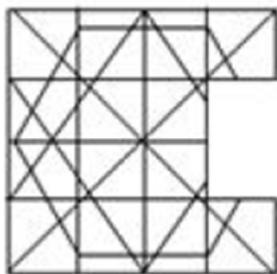
4, 6, 9, 14, 23, 40, ?

- A. 72
C. 71
B. 73
D. 74

35. If - is interchanged with ÷ and + is interchanged with ×, then which of the following equations is correct?

- A. $32 \times 21 + 9 \div 184 - 8 = 198$ B. $32 + 21 - 9 \times 184 \div 8 = 198$
C. $32 \div 21 + 9 - 184 \times 8 = 198$ D. $32 + 21 \times 9 - 184 \div 8 = 198$

36. Identify the option figure that completes the following pattern.



- The figure shows four options (A, B, C, D) for shading a 3x3 grid. Each grid has 9 squares. The shaded regions are as follows:

 - A.** Shaded in a checkerboard pattern: top-left, bottom-right, top-right, bottom-left.
 - B.** Shaded in a cross pattern: center square and all four corner squares.
 - C.** Shaded in a zigzag pattern: top-left, middle-right, bottom-left, middle-right.
 - D.** Shaded in a diagonal pattern: top-left, middle-center, bottom-right, top-center, middle-left, bottom-left, middle-right, bottom-right.

37. Select the Venn diagram that best illustrates the relationship between the following classes:
Playground, Stadium, Goalpost

-

38. In a row of 47 persons, X is 14th from the front while Y is 17th from the back. If they exchange their location, Y becomes 34th from the back, then what will be the position of X from the front?

C. 30

D. 29

39. Three statements are given, followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some advocates are doctors.

Some doctors are players.

All players are engineers.

Conclusions:

I. Some players are doctors.

II. Some engineers are advocates.

III. All advocates are engineers.

IV. Some engineers are doctors.

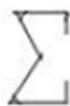
A. Both conclusions I and II follow

C. Both conclusions I and III follow

B. Both conclusions I and IV follow

D. Both conclusions II and IV follow

40. Identify the option in which following figure is embedded (rotation is NOT applicable).

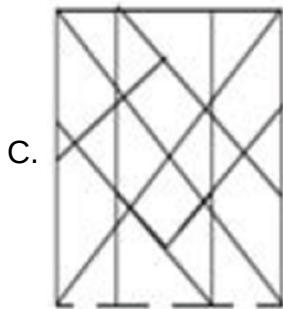


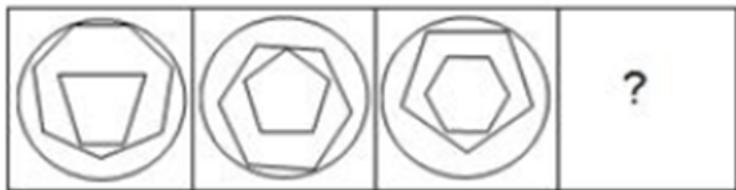
A.



B.









Statements:

All trees are plants.

Some plants are climbers.

Conclusions:

I. Some plants are trees.

II. Some trees are climbers.

- A. Neither conclusion I nor II follows.

B. Only conclusion II follows.

C. Both conclusions I and II follow.

D. Only conclusion I follows.

47. Select the option in which the numbers are related in the same way as the numbers of the following set.

46 : 82 : 154

A. 10.4

B. 11.2

C. 10.8

D. 11.4

56. The perimeter of rectangular field to 386 m and the difference between its two adjacent sides is 95 m. The side of a square field, having the same area as that of the rectangle, is:

A. 64 m

B. 84 m

C. 74 m

D. 82 m

57. If the mean of $x + 1$, $x + 12$, $2x + 3$ and $3x + 5$ is 21, then the value of x is:

A. 12

B. 10

C. 8

D. 9

58. 14 men complete a work in 18 days. If 21 men are employed, then the time required to complete the same work will be:

A. 14 days

B. 10 days

C. 15 days

D. 12 days

59. The value of $\frac{2 - \left(\frac{6}{7} \text{ of } 21 + 5.25\right)}{\frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39}$ is:

A. $\frac{11}{5}$

B. -1

C. $\frac{17}{5}$

D. 1

60. Ramesh invested 30% more than Suresh, Suresh invested 40% less than Arun, who invested Rs. 8,000.

The total amount invested by all of them together is:

A. Rs. 19,020

B. Rs. 18,020

C. Rs. 19,040

D. Rs. 19,080

61. A labourer was engaged for a certain number of days for Rs. 8,500, but due to his absence for some days he was paid Rs. 6,050 only. Find the number of days that he was absent.

A. 49

B. 45

C. 44

D. 42

62. If the radius of a cylinder is decreased by 40% and the height is increased by 60% to form a new cylinder, then the volume will be decreased by:

A. 41.5%

B. 32.4%

C. 40.5%

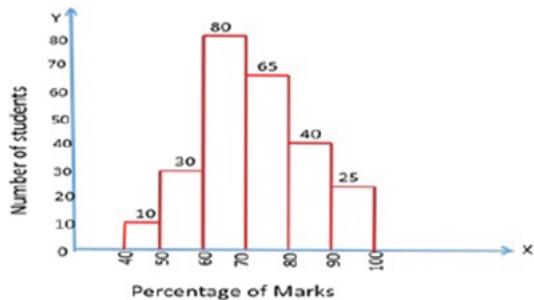
D. 42.4%

63. Three numbers are in the ratio 2 : 3 : 4 . The sum of their squares is 2349 . Find the average of these

three numbers.

The given graph represents the percentage of marks scored by students in class X Board Examination in 2018 in a school.

Total number of students = 250



The ratio of the number of students who scored marks less than 60% to the number of students who scored marks 80% and above is:

C. 24%

D. 22%

76. _____ is a palace in Jaipur, built by Sawai Pratap Singh.

A. Lalgarh Palace

B. Umaid Bhavan

C. Hawa Mahal

D. Sajjangarh Palace

77. The river Indus was called _____ by the Iranians and the Greeks about 2500 years ago.

A. Vitasta

B. Karnali

C. Vipasa

D. Hindos

78. Which of the following fall under Phylum Cnidarian of the animal kingdom?

A. Sea urchins

B. Earthworms

C. Snails

D. Corals

79. Which Indian finance minister was India's delegate to the World Monetary Conference at Bretton Woods in 1944?

A. KC Neogy

B. CD Deshmukh

C. John Mathai

D. RK Shanmukham Chetty

80. Which of the following is a book by former Prime Minister of India, Indira Gandhi?

A. Discovery of India

B. Wings of Fire

C. My Experiments with Truth

D. My Truth

81. Which of the following statements about tides is INCORRECT?

A. High tides occur when the moon is in its first and last quarter.

B. Low tides are also called neap tides.

C. Tides are caused by the gravitational pull exerted by the sun and the moon on Earth's surface.

D. Spring tides occur on the full moon and new moon days.

82. 'Microliths' were _____ used by early humans.

A. Coins

B. Stone tools

C. Clothes

D. Earthen pots

83. Starch and sugar in our food are forms of _____.

A. proteins

B. fats

C. vitamins

D. Carbohydrates

84. _____ is a dance that combines speech, mime and pure dance.

A. Kathakali

B. Bharatanatyam

C. Mohiniattam

D. Kuchipudi

85. Which of the following statements about Bryophytes is not true?
- A. They are called amphibians of plant species.
B. The presence of a special tissue is found in these for the flow of water and other substances from one part of the plant body to another.
C. Their body is usually differentiated by taking the form of stem and leaf-like structures.
D. Moss (Funaria) and Marchantia are examples of bryophytes.
86. Which of the following badminton players has NEVER won an Arjuna Award?
- A. PV Sindhu
B. Neha Pandit
C. Parul Parmar
D. Ashwini Ponnappa
87. Which of the following persons was not a part of the Committee of Administrators(CoA) appointed by the Supreme Court of India in 2017, to oversee the implementation of the Lodha reforms in the Board of Control for Cricket in India (BCCI)?
- A. Vinod Rai
B. Mahim Verma
C. Vikram Limaye
D. Ramachandra Guha
88. As per a report of the Ministry of Statistics and Programme Implementation(Government of India), India recorded an Infant Mortality Rate (IMR) of _____ to 1000 live births in the year 2016.
- A. 68
B. 55
C. 34
D. 47
89. Which of the following Indian states was one of the worst affected by the tsunami on 26th December 2004?
- A. Bihar
B. Maharashtra
C. Tamil Nadu
D. Uttar Pradesh
90. Mechanical energy is the sum of potential energy and _____ energy.
- A. Kinetic
B. Heat
C. Electrical
D. Chemical
91. The Indian Super League (ISL) is a _____ championship.
- A. cricket
B. kabaddi
C. kho-kho
D. Football
92. Article _____ of the Constitution of India deals with the freedom to manage religious affairs.
- A. 21
B. 26
C. 51
D. 56
93. A wooden bat can be classified as a/an _____ object.

Solutions

1. C

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

Efficient = doing something in a good, careful and complete way with no waste of time, money or energy.

E.g.: Our organisation is offering a fast, friendly and efficient service.

Expert = done with having or involving great knowledge or skill.

Common = happening often.

Idle = with no particular purpose or effect OR not serious.

E.g.: The parliamentarian remarked that he was just an idle threat.

Clever = quick at learning and understanding things.

Hence, option C is the correct answer.

2. D

Sol. The idiom "close to one's heart" means having a lot of importance and interest for someone/something.

Example: The issue of women empowerment is very close to my heart.

Hence, option D is the correct answer.

3. A

Sol. Aviary: a large cage or building for keeping birds.

Apiary: a place where bees are kept.

Barn: a large farm building for storing grain or keeping animals in.

Shed: a small simple building usually built of wood or metal and used for keeping things in.

Hence, option A is the correct answer.

4. C

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

Delicate = easily damaged or broken.

E.g.: We must maintain the delicate ecological balance of the forests.

Brisk = quick; busy.

Robust = strong and healthy.

Frail = physically weak and thin.

E.g.: My friend is becoming too frail to live alone.

Hearty = showing friendly feelings for someone.

Hence, option C is the correct answer.

5. B

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

- “Which” as a relative pronoun is used for animals and things.
- Whereas “that” as a relative pronoun is used for persons, animals and things.
- Interestingly, “That” as a relative pronoun is used when the noun it refers is made specific by adding article “the” before it.

For example:

It is one of the few teams that relies on home-grown talent in the field of martial arts.

- In the given sentence, article “the” is added before the noun “corn”. This way “corn” is made a specific noun. Thus, relative pronoun “that” should be used in place of “which”.
- Also, in present perfect form of verb “has + third form of verb”, we need third form of verb after “has”. Thus, correct third form of verb “ripened” should be used in place of “ripen” (first form of verb).
- Note: Usage of “that” is preferred over “which” if noun is made specific. Main error in the sentence lies in the usage of incorrect “form of verb”.
- Hence, “that has ripened” is the correct substitution.

Thus, the correct sentence will be:

The farmer is cutting the corn that has ripened in the fields.

6. A

Sol. Option A has incorrectly spelt word.

“Poultry” is the correct spelling of the incorrect word “Polettry”. It means birds, for example chickens, ducks, etc. that are kept for their eggs or their meat.

The meaning of other words are:

Symmetry: the exact match in size and shape between two halves, parts or sides of something.

Sultry: very hot and uncomfortable

Gentry: people belonging to a high social class.

7. A

Sol. The idiom "Go bonkers" means to become completely crazy and silly.

Example: We went a bit bonkers when she told us the news.

Hence, option A is the correct answer.

8. A

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

- “Pay” verb takes “to” with it to show the purpose or intention of paying someone.
- Though, “for” as a preposition also shows the purpose but it takes the complete noun phrase after it. Here in the given sentence, using “to” as a preposition also works like an “infinitive marker” because verb “repair” is also written there.

For example:

They pay someone to do the cleaning.

You paid less for the store band.

- Hence, “to repair” is the correct substitution.

Thus, the correct sentence will be:

I paid the plumber to repair the pipes.

9. A

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

- Assigned = to provide a person for a particular task
- Attached = joined to something
- Hired = to give someone a job
- Elected = to choose someone to do a particular job by voting for them.

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

- “Attached” is used in context of “joining something” Thus, option B is incorrect.
- “Hired” is used in context of “give job to someone”. Thus, option C is incorrect.
- “Elected” is used in context of “choose someone via voting”. Thus, option D is incorrect.
- “Assigned” is used in context of “allocate a task to someone”. Here in the given sentence, it is used to show that juniors has been allotted/mark for a particular task.

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

The correct sentence will be: The task has been assigned to the juniors.

10. B

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

- Underlined part needs correction in phrasal verb.
- “Blow out” as a phrasal verb means if a flame etc. blows out, it put out by the wind etc.

For example:

He opened the door and the candle blew out.

- “Blow something off” as a phrasal verb means to deliberately not to do something that you said you would.

For example:

She always looks for an excuse to blow off the work.

- “Blow something up” as a phrasal verb means to explode.

For example:

A woman was killed when the car blew up.

- In the underlined sentence, we need the sense of “putting out by the wind” which is reflected in the usage of preposition “out”. Thus, it is appropriate to use preposition “out” in place of preposition “off”.
- Hence, “blew out” is the correct substitution.

Thus, the correct sentence will be:

The strong wind blew out all the candles.

Hence, option B is the correct answer.

11. A

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

- Underlined part needs correction in adjective/determiner.
- “Few” as a determiner is used with plural nouns (countable) and a plural verb to mean “a small number”, “some”.

For example:

We need a few things from the store.

- “Little” as a determiner is used with uncountable nouns to mean “a small amount”, “some”.

For example:

Unfortunately, any little noise can set off the alarm.

- In the underlined sentence, we have “people” as noun which is countable in nature. We need a determiner (adjective) which can be used to quantify the countable noun. Thus, determiner “few” should be used in place of determiner “little”.
- Hence, “very few people” is the correct substitution.

Thus, the correct sentence will be:

There are very few people in this world who are bold enough to defy social customs.

Hence, option A is the correct answer.

12. C

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

- Continuously = in a way that happens or exists for a period of time without being interrupted.
- Unevenly = not following a regular pattern.
- Regularly = often
- Finally = after a long time, esp. when there has been some difficulty or delay

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

- “Continuously” is used in context of “without interruption” Thus, option A is incorrect.
- “Unevenly” is used in context of “irregular pattern”. Thus, option B is incorrect.
- “Finally” is used in context of “eventually”. Thus, option D is incorrect.
- “Regularly” is used in context of “often”. Here in the given sentence, it used to show that the grandparents visit “I” often i.e. many times.

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

Thus the correct sentence will be:

I visit my grandparents regularly.

13. B

Sol. Actor: a person who performs on the stage, on television or in films especially as a profession.
Imposter: a person who pretends to be someone else in order to trick people
Mentor: an experienced person who advises and helps someone with less experience over a period of time.
Gangster: a member of group of violent criminals.
Hence, option B is the correct answer.

14. B

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

- “Jump with something” means to be filled with and energized by some positive emotion.

For example:

The kids were jumping with excitement when they saw the balloons in the party.

- “Jump at somebody” means to criticize someone.
- In the given sentence, sentence demands the sense of filling with excitement within the children on seeing the slides in the park. Thus, preposition “with” should be used in place of “at”.
- Hence, “with joy” is the correct substitution.

Thus, the correct sentence will be:

The children jumped with joy when they saw the slides in the park.
Hence, option B is the correct answer.

15. B

Sol. The underlined part of the sentence is grammatically correct.

Hence, option B is the correct answer.

16. B

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

Baffle = to confuse someone completely.

E.g.: We are baffled why he has not called.

Clarify = to make something clearer or easier to understand

Perplex = make someone confused or worried.

E.g.: We are perplexed by his response at the meeting.

Comfort = to make someone who is worried or unhappy feel better by being kind and showing sympathy to them

Soothe = to make someone who is anxious, upset etc. feel calmer.

Hence, option B is the correct answer.

17. C

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

- Easiest = superlative degree of “easy” (adjective)
- More easier = “Easier” is the comparative degree of “easy”. “More” is also used to show comparison.
- Much easier = “Much” is an adverb and it means “to a great degree”
- Easy = (adjective) not difficult; done or obtained without a lot of effort or problems.

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

- “Easiest” is the superlative degree of “easy” (adjective). Thus, option A is incorrect.
- “More easier” is superfluous in nature because two words shows the same meaning of comparative degree. Thus, option B is incorrect.
- “Easy” is the positive degree but we need comparative degree in the filler. Thus, option D is incorrect.

- "Much easier" is used in context of "to a great degree". Here in the given sentence, it used to show the great degree of "easiness" of lesson that was taught later.

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

Thus the correct sentence will be: This lesson is much easier than the previous one.

18. B

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

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

E.g.: The situation in our locality has remained relatively stable for a few years now.

Steady = developing gradually and in an even and regular way.

Shaky = shaking and feeling weak because you are ill, emotional or old.

E.g.: The old woman was very shaky on her feet.

Stout = (of a person) rather fat

Safe = protected from any danger, harm or loss.

Hence, option B is the correct answer.

19. D

Sol. Option D has incorrectly spelt word.

"Floweriest" is the correct spelling of the incorrect word "Flowerist". It means covered or decorated with flowers.

The meaning of other words are:

Tourist: a person who is travelling or visiting a place for pleasure

Chemist: a person whose job is to prepare and sell medicines, and who works in a shop

Cyclist: a person who rides a bicycle.

20. C

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

- Why = used in questions to ask the purpose of something
- Whom = is the objective form of “who”. It is used to show which person or people you mean.
- What = used in questions to ask for particular information about someone/something.
- When = used in questions to ask on what occasion.

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

- “Why” is used in context of “asking purpose” Thus, option A is incorrect.
- “Whom” is used in context of “person or people”. Thus, option B is incorrect.
- “When” is used in context of “occasion”. Thus, option D is incorrect.
- “What” is used in context of “asking particular information”. Here in the given sentence, it is used for asking the reason for the chaos.

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

The correct sentence will be: What is the reason for this chaos?

21. A

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

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

“So” as an adverb is used to show to such a great degree. Thus, option C is wrong.

“Which” as a relative pronoun is used for thing or an idea (abstract noun). Thus, option d is wrong.

“That” as a conjunction is used after verbs, adjectives and nouns to introduce a new part of the sentence. Here it is used after the verb “declared” to introduce the new part “there was enough evidence...”

Hence, option A is the correct answer.

22. D

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Result” means to make something happen. Thus, option A is wrong.

“Test” means to find out how much someone knows. Thus, option B is wrong.

“Check” means to examine something to see if it is correct, safe or acceptable. Thus, option C is wrong.

“Prove” means to use facts, evidence etc. to show that something is true.

In the given sentence, it is used to mention that there was enough evidence to show that Max was involved in stealing his neighbour’s cat.

Hence, option D is the correct answer.

23. A

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Stealing” is the “-ing” form of the verb. Thus, option B is wrong.

“Stole” is the second form of verb. Thus, option C is wrong.

“Steal” is the first form of verb. Thus, option D is wrong.

“Stolen” is the third form of verb. Here it is used, in the past perfect form: “had + third form of verb”.

Hence, option A is the correct answer.

24. B

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Stern” means strict. Thus, option A is wrong.

“Sober” means not drunk. Thus, option C is wrong.

“Steady” means developing, growing etc. gradually and in an even and regular way. Thus, option D is wrong.

“Serious” means bad or dangerous.

In the given sentence, it is used to mention that crime committed by Max was bad/dangerous.

Hence, option B is the correct answer.

25. C

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Invisible” means something that cannot be seen. Thus, option A is wrong.

“Improper” means dishonest. Thus, option B is wrong.

“Anxious” means feeling worried or nervous. Thus, option D is wrong.

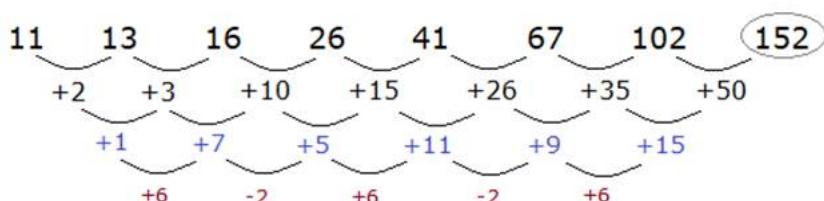
“Appropriate” means suitable, acceptable or correct for the particular circumstances.

In the given sentence, it is used to mention that Max deserves a suitable/correct punishment for the crime committed by him.

Hence, option C is the correct answer.

26. C

Sol. The pattern is as follows:



Hence, option C is the correct answer.

27. B

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



Hence, option B is the correct answer.

28. C

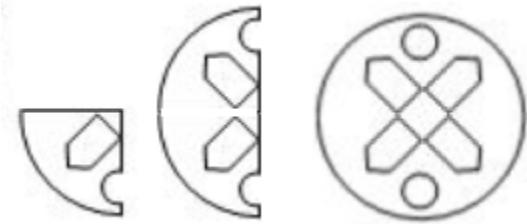
Sol. Here the first four letters ‘Drea’ are fixed and rest of the letters are arranged as per their Alphabetical order as shown below:

2. Dreamer, 4. Dreamland, 1. Dreamlike, 5. Dreamtime, 3. Dreamy

Hence, option C is the correct answer.

29. A

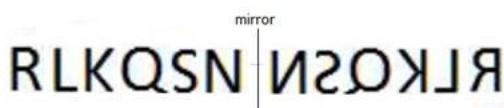
Sol. When the given piece of paper is unfolded it will appear as shown below:



Hence, option A is the correct answer.

30. B

Sol. The correct mirror image of the given figure will be as shown below:



Hence, option B is the correct answer.

31. A

Sol. After replacing '*' with the signs given in option (A) we get;

$$92 \div 4 - 36 + 13 \times 9 = 104$$

On solving L.H.S we get;

$$\rightarrow 23 - 36 + 117$$

$$\rightarrow 104$$

$$= \text{R.H.S}$$

Hence, option A is the correct answer.

32. A

Sol. Saturday comes after 3 days from Tuesday. Similarly, September comes after 3 months from May.

Hence, option A is the correct answer.

33. B

Sol. The pattern is as follows:

$$\text{STAMINA} \rightarrow 19+20+1+13+9+14+1 = 77 - 3 = 74$$

OCTOBER -> $15+3+20+15+2+5+18 = 78 - 3 = 75$

Similarly,

IMPOSING -> $9+13+16+15+19+9+14+7 = 102 - 3 = 99$

Hence, option B is the correct answer.

34. B

Sol. The pattern is as follows:

$$4 \times 2 - 2 = 6$$

$$6 \times 2 - 3 = 9$$

$$9 \times 2 - 4 = 14$$

$$14 \times 2 - 5 = 23$$

$$23 \times 2 - 6 = 40$$

$$40 \times 2 - 7 = 73$$

Hence, option B is the correct answer.

35. A

Sol. If we replace the signs of equation given in option(A) with the given signs we get;

$$A). 32 + 21 \times 9 - 184 \div 8 = 198$$

On solving L.H.S we get;

$$\rightarrow 32 + 189 - 23$$

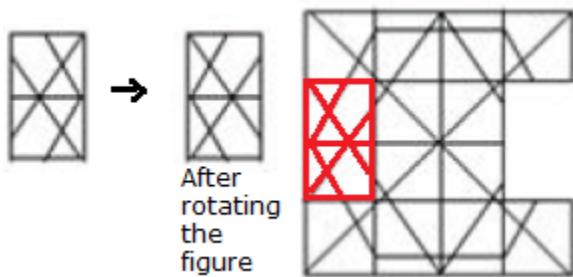
$$\rightarrow 221 - 23 = 198$$

=R.H.S

Hence, option A is the correct answer.

36. C

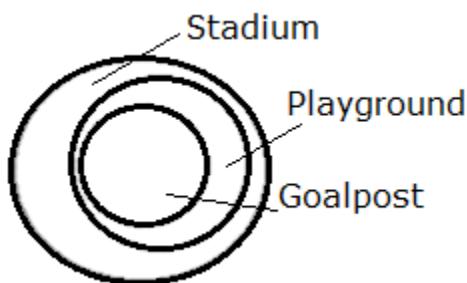
Sol. The option figure (C) perfectly embedded in the given figure after it is rotated as shown below:



Hence, option C is the correct answer.

37. B

Sol. A stadium has playground and a goalpost is in playground.



Hence, option B is the correct answer.

38. A

Sol. As per the given information:

Y's position from the back is 17

Y's position from the back when it interchanges with X is 34

That means Y must have moved to $(34 - 17) = 17$ positions to front.

Also, X's position from the front is 14

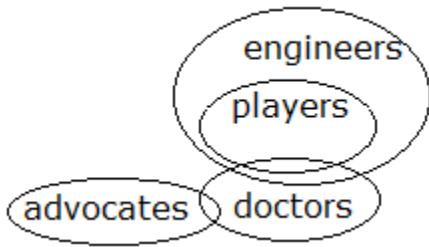
So, X's position from the back when it interchanges with Y will be;

$$14 + 17 = 31$$

Hence, option A is the correct answer.

39. B

Sol. The least possible Venn-diagram will be:



Conclusions:

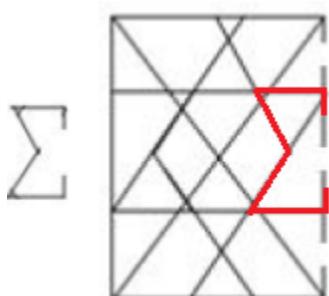
- I. Some players are doctors - It is a definite case, hence true.
- II. Some engineers are advocates – It is not a definite case, hence false.
- III. All advocates are engineers - It is not a definite case, hence false.
- IV. Some engineers are doctors – It is a definite case, hence true.

Thus, only I and IV follows.

Hence, option B is the correct answer.

40. B

Sol. The given figure is perfectly embedded in the option figure (B) as shown below:



Hence, option B is the correct answer.

41. B

Sol. The pattern is as follows;

$$168 \div 1 = 168$$

$$168 \div 2 = 84$$

$$84 \div 3 = 28$$

$$28 \div 4 = 7$$

Hence, option B is the correct answer.

42. B

Sol. The pattern is as follows: first the letters are re-arranged as per their position as in Alphabetical order. Then add (+1) get the code letter.

So, CONCEPT -> CCENOPT

C	C	E	N	O	P	T
+1	+1	+1	+1	+1	+1	+1
↓	↓	↓	↓	↓	↓	↓
D	D	F	O	P	Q	U

Similarly,

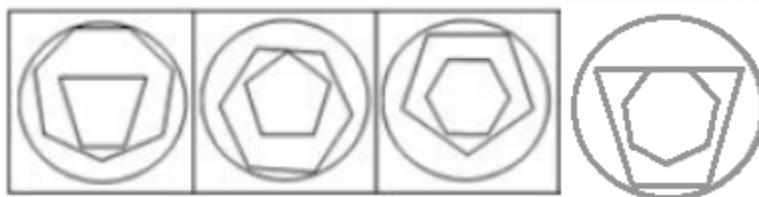
NARROWS -> ANORRSW

A	N	O	R	R	S	W
+1	+1	+1	+1	+1	+1	+1
↓	↓	↓	↓	↓	↓	↓
B	O	P	S	S	T	X

Hence, option B is the correct answer.

43. D

Sol. Logic: Here the outer figure is reducing by one line such that the figure formed as Heptagon (7 sides), Hexagon (6 sides), Pentagon (5 sides), therefore the next figure should be a Rectangle (4 sides). Also the inner figure is gaining one line such that the figure formed as Rectangle (4 sides), Pentagon (5 sides), Hexagon (6 sides) thus the next figure should be Heptagon (7 sides).



Hence, option D is the correct answer.

44. A

Sol. The pattern is as follows: Here each letter is coded with a number as shown below;

L	E	A	R	N	I	N	G
8	2	4	6	3	7	3	9

Also,

M	O	B	I	L	E
5	1	0	7	8	2

Therefore, the following letters are coded as:

I	M	A	G	I	N	E
7	5	4	9	7	3	2

Hence, option A is the correct answer.

45. B

Sol. The pattern is as follows; here the letters are re-arranged as per their order in Alphabetical order so,

GLAMOUR -> AGLMORU

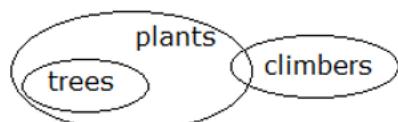
Similarly,

RUTTING -> GINRTTU

Hence, option B is the correct answer.

46. D

Sol. The least possible Venn-diagram will be;



Conclusions:

I. Some plants are trees – It is a definite case, hence true.

II. Some trees are climbers – It is not a definite case, hence false.

Thus, only I follow.

Hence, option D is the correct answer.

47. B

Sol. The pattern is as follows:

In (46 : 82 : 154)

$$46 + (9 \times 4) = 46 + 36 = 82$$

$$82 + (9 \times 8) = 82 + 72 = 154$$

Similarly,

In (62 : 116 : 224)

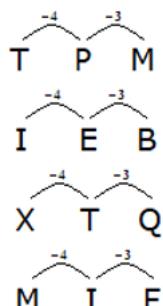
$$62 + (9 \times 6) = 62 + 54 = 116$$

$$116 + (9 \times 12) = 116 + 108 = 224$$

Hence, option B is the correct answer.

48. A

Sol. The pattern is as follows;



Also, M(13) \rightarrow (-4) \rightarrow I(9)

B(28) \rightarrow (-4) \rightarrow X(24)

Q(17) \rightarrow (-4) \rightarrow M(13)

Hence, option A is the correct answer.

49. C

Sol. The pattern is as follows;

I	R	O	N	I	N	G
+6	+5	+4	+3	+2	+1	+0
O	W	S	Q	K	O	G

Similarly,

S	H	E	R	I	F	F
+6	+5	+4	+3	+2	+1	+0
Y	M	I	U	K	G	F

Hence, option C is the correct answer.

50. A

Sol. A Truck runs on road, likewise a tram runs on rails laid on a public road.

Hence, option A is the correct answer.

51. D

Sol. Let the sum = P Rs.

We know that:

$$P \xrightarrow[4 \text{ years}]{3 \text{ times}} 3P \xrightarrow[4 \text{ years}]{3 \text{ times}} 9P$$

Therefore, it becomes 9 times in 8 years

Hence, option D is correct.

52. D

Sol. We know that:

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

$$= \frac{275}{\left(\frac{5}{2}\right)}$$

$$= \frac{275 \times 2}{5}$$

$$= 110 \text{ km/hr}$$

Therefore, required time to cover 440km with the same speed = $\frac{440}{110} = 4 \text{ hrs}$

Hence, option D is correct.

53. B

Sol. Let the cost prices of two articles are $4x$ and $5x$

$$\text{Selling price of first article} = \text{cost price} \times \frac{(100 + \text{profit}\%)}{100} = (4x) \times \frac{110}{100} = 4.4x$$

$$\text{Selling price of second article} = (5x) \times \frac{(100 + 20)}{100} = (5x) \times \frac{120}{100} = 6x$$

According to the question,

$$\Rightarrow 6x - 4.4x = 480$$

$$\Rightarrow 1.6x = 480$$

$$\Rightarrow x = 300 \text{ Rs.}$$

Therefore, the total of cost price of both the articles $= 4x + 5x = 9x = 9 \times 300 = 2700 \text{ Rs.}$

Hence, option B is correct.

54. C

Sol. Let the money lent at 8% of rate $= x \text{ Rs.}$

Money lent at 10% of rate $= 17200 - x \text{ Rs.}$

According to the question,

$$\text{Simple interest} = \frac{P \times R \times T}{100}$$

$$\Rightarrow 3008 = \frac{(x) \times 8 \times 2}{100} + \frac{(17200 - x) \times 10 \times 2}{100}$$

$$\Rightarrow 3008 = \frac{4x}{25} + \frac{(17200 - x)}{5}$$

$$\Rightarrow 3008 = \frac{4x + 86000 - 5x}{25}$$

$$\Rightarrow 75200 = 86000 - x$$

$$\Rightarrow x = 86000 - 75200$$

$$\Rightarrow x = 10800$$

Therefore, the money lent at 8% rate $= 10800 \text{ Rs.}$

Hence, option C is correct.

55. A

Sol. We know that:

$$\text{Volume of a frustum} = \frac{1}{3}\pi(R^2 + r^2 + Rr)h$$

$$= \frac{1}{3} \times \frac{22}{7} \times [(20)^2 + (13)^2 + (20 \times 13)] \times 12$$

$$= \frac{1}{3} \times \frac{22}{7} \times [400 + 169 + 260] \times 12$$

$$= \frac{1}{3} \times \frac{22}{7} \times 829 \times 12$$

$$= 10421.71 \text{ cm}^3$$

$$(1 \text{ liter} = 1000 \text{ cm}^3)$$

$$= \frac{10421.71}{1000} \text{ liters}$$

$$= 10.4 \text{ liters}$$

Therefore, the capacity of the frustum = 10.4 liters

Hence, option A is correct.

56. B

Sol. Let the length and the breadth of the rectangular field are x meter and y meter

We know that:

The perimeter of the rectangle = 2(length + breadth)

$$\Rightarrow 386 = 2(x + y)$$

$$\Rightarrow x + y = 193 \dots \text{eq1}$$

Difference between two adjacent sides = 95

$$x - y = 95 \dots \text{eq2}$$

By adding eq1 and eq2

$$\Rightarrow 2x = 288$$

$$\Rightarrow x = 144 \text{ m}$$

By putting value of x in eq1

$$\Rightarrow 144 + y = 193$$

$$\Rightarrow y = 49 \text{ m}$$

Area of the rectangular field = area of the square field

$$\Rightarrow 144 \times 49 = (\text{side})^2$$

⇒ Side = 84 m

Therefore, the side of the square field = 84m

Hence, option B is correct.

57. D

Sol. We know that:

$$\text{Mean} = \frac{\text{sum of all observations}}{\text{Number of observations}}$$

$$\Rightarrow 21 = \frac{(x+1) + (x+12) + (2x+3) + (3x+5)}{4}$$

$$\Rightarrow 84 = 7x + 21$$

$$\Rightarrow 7x = 84 - 21$$

$$\Rightarrow x = \frac{63}{7}$$

$$\Rightarrow x = 9$$

Hence, option D is correct.

58. D

Sol. Let the time required to complete the same work = x

We know that:

$$W = MDH$$

According to question,

Work = work

$$\Rightarrow 14 \times 18 = 21 \times (x)$$

$$\Rightarrow x = \frac{14 \times 18}{21}$$

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

Therefore, the time required to complete the same work = 12 days

Hence, option D is correct.

59. B

Sol.

$$2 - \left(\frac{6}{7} \text{ of } 21 + 5.25 \right)$$

$$\text{The value of } \frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39$$

By using BODMAS rules -

$$\begin{aligned} & \frac{2 - \left(\frac{6}{7} \times 21 + 5.25 \right)}{\frac{3}{4} \times 12.4 + 11.95} \\ = & \frac{2 - (18 + 5.25)}{9.3 + 11.95} \\ = & \frac{2 - 23.25}{21.25} \\ = & \frac{-21.25}{21.25} \\ = & -1 \end{aligned}$$

Hence, option B is correct.

60. C

Sol. Given:

Amount invested by Arun = 8000 Rs.

$$\text{Amount invested by Suresh} = 8000 \times \frac{(100 - 40)}{100} = 8000 \times \frac{60}{100} = 4800 \text{ Rs.}$$

$$\text{Amount invested by Ramesh} = 4800 \times \frac{(100 + 30)}{100} = 48 \times 130 = 6240 \text{ Rs.}$$

Therefore, total amount invested by all of them = $8000 + 4800 + 6240 = 19040$ Rs.

Hence, option C is correct.

61. A

Sol. Ratio of his wages = $8500 : 6050 = 170 : 121$

Ratio of his actual days and working days = $170 : 121$

Therefore, he was absent = $170 - 121 = 49$ days

Hence, option A is correct.

62. D

Sol. Let the radius of cylinder = r and height of the cylinder = h

We know that:

Volume of a cylinder = $\pi r^2 h$

$$\begin{aligned}
 \text{Volume of a new cylinder} &= \pi \left(r \times \frac{(100 - 40)}{100} \right)^2 \times \left(h \times \frac{(100 + 60)}{100} \right) \\
 &= \pi \left(\frac{3r}{5} \right)^2 \times \frac{(8h)}{5} \\
 &= \left(\frac{72\pi r^2 h}{125} \right)
 \end{aligned}$$

$$\text{Therefore, required percentage} = \frac{\left(\pi r^2 h - \left(\frac{72\pi r^2 h}{125} \right) \right)}{\pi r^2 h} \times 100$$

$$\begin{aligned}
 &= \frac{\left(\frac{125\pi r^2 h - 72\pi r^2 h}{125} \right)}{\pi r^2 h} \times 100 \\
 &= \frac{53\pi r^2 h}{125\pi r^2 h} \times 100 \\
 &= 42.4 \%
 \end{aligned}$$

Hence, option D is correct.

63. A

Sol. Let the numbers are $2x$, $3x$ and $4x$

According to question,

$$\begin{aligned}
 \Rightarrow (2x)^2 + (3x)^2 + (4x)^2 &= 2349 \\
 \Rightarrow 4x^2 + 9x^2 + 16x^2 &= 2349 \\
 \Rightarrow 29x^2 &= 2349 \\
 \Rightarrow x^2 &= 81 \\
 \Rightarrow x &= 9
 \end{aligned}$$

$$\text{Therefore, the average of three numbers} = \frac{2x + 3x + 4x}{3} = \frac{9 \times 9}{3} = 27$$

Hence, option A is correct.

64. C

Sol. Let x males and x females are recruited

According to question,

$$\Rightarrow \frac{70+x}{100+x} = \frac{3}{4}$$

$$\Rightarrow 280 + 4x = 300 + 3x$$

$$\Rightarrow x = 20$$

Therefore, total number of people working in the firm after recruitment = $(100 + 20) + (70 + 20)$
 $= 210$

Hence, option C is correct.

65. C

Sol. Let the price of sugar = x per kg

According to question,

$$\Rightarrow \frac{\frac{272}{\left(x \times \frac{85}{100}\right)} - \frac{272}{x}}{6} = 6$$

$$\Rightarrow \frac{\frac{272 \times 20}{17x} - \frac{272}{x}}{6} = 6$$

$$\Rightarrow \frac{\frac{320}{x} - \frac{272}{x}}{6} = 6$$

$$\Rightarrow \frac{\frac{320 - 272}{x}}{6} = 6$$

$$\Rightarrow x = \frac{48}{6}$$

$$\Rightarrow x = 8$$

Therefore, reduced price of sugar = $8 \times \frac{85}{100} = 6.80$ Rs.

Hence, option C is correct.

66. D

Sol. Let the speed of the B = x km/hr

The speed of A = x + 20 km/hr

We know that,

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

According to question,

$$\Rightarrow \frac{240}{x} - \frac{300}{(x+20)} = 2$$

$$\Rightarrow \frac{240x + 4800 - 300x}{(x)(x+20)} = 2$$

$$\Rightarrow 4800 - 60x = 2x^2 + 40x$$

$$\Rightarrow 2x^2 + 100x - 4800 = 0$$

$$\Rightarrow x^2 + 50x - 2400 = 0$$

$$\Rightarrow x^2 + 80x - 30x - 2400 = 0$$

$$\Rightarrow x(x+80) - 30(x+80) = 0$$

$$\Rightarrow (x-30)(x+80) = 0$$

$$\Rightarrow x = 30, -80$$

Therefore, the speed of A = x + 20 = 30 + 20 = 50 km/hr

Hence, option D is correct.

67. B

Sol. The value of B = C × $\frac{65}{100}$ = $\frac{65C}{100}$

The value of A = B × $\frac{120}{100}$ = $\frac{13C}{20} \times \frac{120}{100}$ = $\frac{78C}{100}$

According to question,

$$\Rightarrow A + B + C = 121\frac{1}{2}$$

$$\Rightarrow \frac{78C}{100} + \frac{65C}{100} + C = \frac{243}{2}$$

$$\Rightarrow \frac{78C + 65C + 100C}{100} = \frac{243}{2}$$

$$\Rightarrow \frac{243C}{100} = \frac{243}{2}$$

$$\Rightarrow C = 50$$

$$A = \frac{78C}{100} = \frac{78 \times 50}{100} = 39$$

$$B = \frac{65C}{100} = \frac{65 \times 50}{100} = 32.5$$

Therefore, required value of $2C - 4B + A$

$$= 2 \times 50 - 4 \times 32.5 + 39$$

$$= 100 - 130 + 39$$

$$= 9$$

Hence, option B is correct.

68. C

Sol. Given:

Ratio of the income = 2 : 5

Income in the second year = 75000 Rs.

$$\text{Income in the first year} = \frac{75000}{5} \times 2 = 30000 \text{ Rs.}$$

Ratio of expenditure = 4 : 7

Expenditure in first year = 20000 Rs.

$$\text{Expenditure in second year} = \frac{20000}{4} \times 7 = 35000 \text{ Rs.}$$

Savings in first year = income – expenditure = $30000 - 20000 = 10000$

Savings in second year = $75000 - 35000 = 40000$

Therefore, total savings = $10000 + 40000 = 50000$ Rs.

Hence, option C is correct.

69. A

Sol. Let the eight consecutive numbers are $(x - 4), (x - 3), (x - 2), (x - 1), (x), (x + 1), (x + 2), (x + 3)$

According to question,

$$\Rightarrow \frac{(x - 4) + (x - 3) + (x - 2) + (x - 1) + (x) + (x + 1) + (x + 2) + (x + 3)}{8} = 10.5$$

$$\Rightarrow 8x - 4 = 84$$

$$\Rightarrow 8x = 88$$

$$\Rightarrow x = 11$$

Therefore, the largest number = $x + 3 = 11 + 3 = 14$

Hence, option A is correct.

70. C

Sol. We know that:

Profit = selling price – cost price

$$\Rightarrow 25 \times S.P - 25 \times C.P = 5 \times S.P$$

$$\Rightarrow 25 \times S.P - 5 \times S.P = 25 \times C.P$$

$$\Rightarrow 20 \times S.P = 25 \times C.P$$

$$\Rightarrow C.P : S.P = 20 : 25$$

$$\text{Therefore, profit percent} = \frac{(Selling\ price - Cost\ price)}{Cost\ price} \times 100$$

$$= \frac{(25 - 20)}{20} \times 100$$

$$= \frac{500}{20}$$

$$= 25\%$$

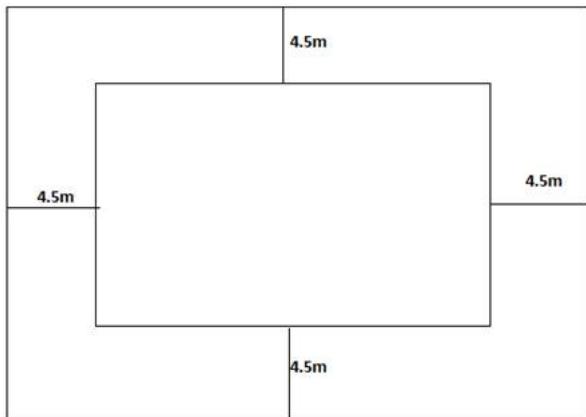
Therefore, his profit percent = 25%

Hence, option C is correct.

71. A

Sol. Let the length of the side of the field = x cm

The length of the outer field = $x + 9$ cm



We know that:

Area of the square = (side) 2

According to question,

$$\Rightarrow (x + 9)^2 - x^2 = 252$$

$$\Rightarrow x^2 + 81 + 18x - x^2 = 252$$

$$\Rightarrow 18x = 252 - 81$$

$$\Rightarrow 18x = 171$$

$$\Rightarrow x = 9.5 \text{ m}$$

Therefore, the length of the side of the field = 9.5 m

Hence, option A is correct.

72. D

Sol.

$$\text{Work done by A in 1 day} = \frac{1}{60}$$

$$\text{Work done by A in 15 days} = \frac{1}{60} \times 15 = \frac{1}{4}$$

$$\text{Remaining work} = 1 - \frac{1}{4} = \frac{3}{4}$$

$$\text{B can complete } \frac{3}{4} \text{ th of the work} = 30 \text{ days}$$

$$\text{B can complete whole work} = \frac{30}{\frac{3}{4}} = 40 \text{ days}$$

Required, time taken by A and B to complete the whole work-

$$\Rightarrow \frac{1}{(A+B)} = \frac{1}{A} + \frac{1}{B}$$

$$\Rightarrow \frac{1}{(A+B)} = \frac{1}{60} + \frac{1}{40}$$

$$\Rightarrow \frac{1}{(A+B)} = \frac{2+3}{120}$$

$$\Rightarrow \frac{1}{(A+B)} = \frac{5}{120}$$

$$\Rightarrow (A+B) = 24 \text{ Days}$$

Therefore, A and B working together can finish the whole work in 24 days.

Hence, option D is correct.

73. B

Sol. The number of students who scored marks less than 60% = 10 + 30 = 40

The number of students who scored marks 80% and above = 40 + 25 = 65

Therefore, required ratio = 40 : 65 = 8 : 13

Hence, option B is correct.

74. C

Sol. The number of students who scored less than 60% marks = $10 + 30 = 40$

The number of students who scored 70% and above = $65 + 40 + 25 = 130$

$$\text{Therefore, required percentage} = \frac{(130 - 40)}{130} \times 100 = \frac{90}{130} \times 100 = 69.23\%$$

Hence, option C is correct.

75. D

Sol. The percentage of students who scored less than 70% marks = $\frac{120}{250} \times 100 = 48\%$

The percentage of students who scored 80% and above = $\frac{65}{250} \times 100 = 26\%$

Therefore, required difference = $48\% - 26\% = 22\%$

Hence, option D is correct.

76. C

Sol. • **Hawa Mahal is a palace in Jaipur, built by Sawai Pratap Singh.**

• It was built from red & pink sandstone and It was designed by Lal Chand Ustad.

• **Lalgarh Palace** is a palace and heritage hotel in Bikaner.

• It was built between 1902 and 1926 in the Indo-Saracenic style.

• **Umaid Bhawan Palace** is one of the world's largest private residences and the foundation stone was laid in 1929.

• **Sajjangarh Palace** is a hilltop palatial residence in the city of Udaipur, Rajasthan.

• It is popularly known as Monsoon Palace and It provides a beautiful view of the sunset.

77. D

Sol. • **The river Indus was called Hindos by the Iranians and the Greeks about 2500 years ago.**

• It is a transboundary river of Asia and a trans-Himalayan river of South & Central Asia.

• It has a total drainage area exceeding 1,165,000 km².

• It is one of the few rivers in the world to exhibit a tidal bore.

- It is one of the longest rivers in the world, with a length of 3200 km approximately.
- Vipasa is the ancient name of the Beas river rises in the Himalayas in central Himachal Pradesh.

78. D

- Sol.
- Corals fall under Phylum Cnidarian of the animal kingdom.
 - They are marine invertebrates within the class Anthozoa of the phylum Cnidaria.
 - They typically form compact colonies of many identical individual polyps.
 - Snail is a small mollusc with a spiral-shaped shell and they are famous for moving very slowly and for leaving a trail of slime behind them.
 - The earthworm is a terrestrial invertebrate that belongs to the phylum Annelida.
 - Sea urchins are spiny, globular echinoderms in the class Echinoidea.

79. D

- Sol.
- RK Shanmukham Chetty was India's delegate to the World Monetary Conference at Bretton Woods in 1944.
 - He served as independent India's first finance minister from 1947 to 1948.
 - John Mathai served as India's first Railway Minister and He was the first Chairman of the State Bank of India.
 - CD Deshmukh was the first Indian to be appointed the Governor of the Reserve Bank of India in 1943.
 - Kshitish Chandra Neogy was the chairman of the first Finance Commission of India.

80. D

- Sol.
- My Truth is a book by former Prime Minister of India, Indira Gandhi.
 - It depicts the unexplored aspects of Indira Gandhi's life.
 - Indira Gandhi was the 3rd prime minister of India and 1st female prime minister of India.

- **Discovery of India** is a **book written by the first Prime Minister of India, Jawaharlal Nehru.**
- **My Experiments with Truth** is the **autobiography of Mahatma Gandhi.**
- **Wings of Fire** is an **autobiography of APJ Abdul Kalam** written by Dr. Abdul Kalam and Arun Tiwari.

81. A

- Sol.
- **High tides occur when the moon is in its first and last quarter** is incorrect about tides.
 - **Tides are the rise & fall of sea levels caused by the combined effects of the gravitational forces exerted by the Moon & the Sun and the rotation of the Earth.**
 - **High tides** are created by **the gravitational pull of the moon which pulls water toward it.**
 - **Low tide** is the time when the **sea is at its lowest level because the tide is out.**
 - **Springtide** is an **unusually high tide that happens at the time of a new moon or a full moon.**

82. B

- Sol.
- **'Microliths'** were **stone tools used by early humans.**
 - It is a **small stone tool usually made of flint or chert** and they were **used in spear points and arrowheads.**
 - They were **made by humans from around 35,000 to 3,000 years ago** across **Europe, Africa, Asia and Australia.**
 - There are two types of microlith:
 - a) **Laminar**
 - b) **Non-geometric**
 - They were **used to form the points of hunting weapons such as spears and arrows.**
 - **Earthen pots** are **sustainable as the material decomposes back to nature without polluting the environment.**

83. D

- Sol.
- Starch and sugar in our food are forms of Carbohydrates.
 - Carbohydrates are the main source of energy for the body and these are also called simple sugars.
 - Vitamins are substances that your body needs to grow and develop normally.
 - They are organic substances present in minute amounts in natural foodstuffs.
 - Proteins are large, complex molecules that play many critical roles in the body.
 - They are made up of many different amino acids linked together.
 - Fat is a source of essential fatty acids that the body cannot make itself.

84. D

- Sol.
- Kuchipudi is a dance that combines speech, mime and pure dance.
 - It is indigenous to the state of Andhra Pradesh and is one of the eight major Indian classical dances.
 - Mohiniyattam is an Indian classical dance form that evolved in the state of Kerala.
 - Bharatanatyam is a major Hindu form of Indian classical dance that originated in the modern-day region of Tamil Nadu.
 - It was also known as the dance of the devadasi clan to entice the royals in the olden days.
 - Kathakali is a classical Indian dance form which is a story play genre of art is the folk dance form of Kerala.

85. B

- Sol.
- The presence of a special tissue is found in these for the flow of water and other substances from one part of the plant body to another about Bryophytes is not true.
 - They are small, non-vascular plants, such as mosses, liverworts, and hornworts.
 - They do not have seeds or flowers and there are around 20,000 species of Bryophytes.
 - They are the plants that are found growing in moist and shady places and they are also called the amphibians of the plant kingdom.
 - They are dependent on water for the reproduction process.

- They play an important role in plant succession on bare rocks.

86. B

Sol. • Neha Pandit has never won an Arjuna Award.

- PV Sindhu is considered one of India's most successful sportspersons.
- She has been honoured with Arjuna Award in 2013.
- She is the first and only Indian to become the Badminton World Champion.
- Parul Parmar is an Indian para-badminton player and he was awarded the Arjuna Award in 2009.
- Ashwini Ponnappa was awarded the Arjuna award in 2012 and she is the second overall to win a medal at the World Championships.

87. B

Sol. • Mahim Verma was not a part of the Committee of Administrators(CoA) appointed by the Supreme Court of India in 2017, to oversee the implementation of the Lodha reforms in the Board of Control for Cricket in India (BCCI).

- The Board of Control for Cricket in India is the governing body for cricket in India.
- It is under the jurisdiction of the Ministry of Youth Affairs and Sports, Government of India.
- It is the richest cricket board in the world and its headquarters is at Wankhede Stadium, Mumbai.
- Ramachandra Guha is an important authority on the history of modern India.
- Vikram Limaye is the Managing Director and CEO of the National Stock Exchange of India.

88. C

Sol. • India recorded an Infant Mortality Rate (IMR) of 34 to 1000 live births in the year 2016 as per a report of the Ministry of Statistics and Programme Implementation.

- The infant mortality rate is the **number of deaths per 1,000 live births of children under one year of age.**
- **Ministry of Statistics and Programme Implementation** is a **ministry of the Government of India concerned with coverage and quality aspects of statistics released.**
- The Ministry has two wings:
 - a) **Statistics**
 - b) **Programme Implementation**
- It attaches **considerable importance to coverage and quality aspects of statistics released in the country.**

89. C

- Sol.
- **Tamil Nadu was one of the worst affected by the tsunami on 26th December 2004.**
 - It has faced the **loss of 7993 lives** and the **destruction of about 123,105 houses**.
 - The **2004 Indian Ocean earthquake** and tsunami occurred at 07:58:53 local time on **26th December 2004**.
 - It is **one of the deadliest natural disasters in recorded history**.
 - It was an **undersea megathrust earthquake** that registered a magnitude of **9.1–9.3 Mw**.
 - The **earthquake** was the **third-largest ever recorded** and the **largest in the 21st century**.

90. A

- Sol.
- **Mechanical energy is the sum of potential energy and kinetic energy.**
 - It is the **energy that is possessed by an object due to its motion or due to its position**.
 - **The kinetic energy** of an object is the **energy that it possesses due to its motion**.
 - The standard unit of kinetic energy is the **joule**.
 - **Electrical energy** is **energy derived** as a result of **the movement of electrically charged particles**.
 - **Chemical energy** is the **energy of chemical substances** that are released when they undergo a **chemical reaction**.

91. D

- Sol.
- **The Indian Super League (ISL) is a Football championship.**
 - It is a men's professional football league and It was founded on 21 October 2013.
 - It was founded to grow the sport of football in India and increase its exposure in the country.
 - It is organized by the All India Football Federation and their commercial partners Football Sports Development Limited.
 - Football is a team sport played with a spherical ball between two teams of 11 players.
 - It is governed internationally by the International Federation of Association Football.

92. B

- Sol.
- **Article 26 of the Constitution of India deals with the freedom to manage religious affairs.**
 - This right has to be exercised in a manner that conforms with public order, morality and health.
 - **Article 21** is the heart of the Indian Constitution.
 - It is the most organic and progressive provision in our Indian Constitution.
 - **Article 51** of the constitution of India deals with the Promotion of international peace and security.
 - **Article 56** is related to the term of office of the President.

93. B

- Sol.
- **A wooden bat can be classified as an opaque object.**
 - Willow is the most preferred wood for the production of cricket bats.
 - **An opaque object** is an object which does not allow light to pass through it.
 - **Lustrous objects** are those objects that have shiny surfaces.
 - **Transparent objects** are objects which allow light to pass through them completely.
 - **Translucent objects** are those which allow some light to travel through them.

94. C

- Sol. • **Part 2 of the Constitution of India deals with citizenship.**
• **Citizenship** is the **status of a person recognized under law as being a legal member of a sovereign state or belonging to a nation.**
• **Part 5** of the Constitution of India deals with **the Union**.
• **Part 6** of the Constitution of India deals with **the States**.
• **Part 4** of the **Indian Constitution deals with the Directive Principles of our State Policy**.
• **Part 3** of the Indian Constitution talks about **Fundamental Rights**.

95. B

- Sol. • **We celebrate 'Samvidhan Divas' on 26th November every year, to commemorate the adoption of the Constitution of India.**
• It is also known as **National Law Day**.
• **26th January** is celebrated as **Republic Day** and It is a **public holiday in India**.
• **15 September** is celebrated every year as **Engineer's Day in India**.
• It is celebrated to **mark the tribute to the Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya**.
• **International Day of Democracy** is observed on **15 September** to remind people that **democracy is about people**.

96. D

- Sol. • **Nirmala has been written by Munshi Premchand.**
• It is a **story of a female from her mid-teenage to her early twenties**.
• **Munshi Premchand** was a **pioneer of Hindi & Urdu social fiction**.
• He is **one of the most celebrated writers of the Indian subcontinent**.
• He is **regarded as one of the foremost Hindi writers of the early twentieth century**.
• **Chokher Bali** was directed by **Rituparno Ghosh** and written by **Rabindranath Tagore**.
• **Gitanjali** is a **collection of poems by the Bengali poet Rabindranath Tagore**.

97. C

Sol. • **Ghaghra is a tributary of the river Ganga.**

- It is a perennial transboundary river originating on the Tibetan Plateau near Lake Manasarovar.
- it is the **longest river in Nepal** and It is a **major left-bank tributary of the Ganges**.
- It is the **largest tributary of the Ganges by volume** and the **second-longest tributary of the Ganges by length**.
- **Mahi River** is **one of the major interstate west-flowing rivers** and the **total length of Mahi** is **583 km**.
- **Sabarmati river** is **one of the major west-flowing rivers in India** and **originates in the Aravalli Range of the Udaipur District of Rajasthan**.
- **Bhima River** is a **major river in Western India and South India**.

98. A

Sol. • **Basel III norms belong Banking sector of the economy.**

- It is a **global, voluntary regulatory framework** on bank capital adequacy, stress testing and **market liquidity risk**.
- It is a **set of international banking regulations developed by the Bank for International Settlements**.
- It **promotes stability in the international financial system**.
- It is **designed to decrease damage done to the economy by banks that take on too much risk**.
- **Banking** is defined as the **business activity of accepting and safeguarding money owned by other individuals and entities**.

99. A

Sol. • **The tenth day after Sharad Navratri is celebrated as Dussehra or Vijayadashami.**

- **Sharad Navratri** commences **on the first** and ends **on the tenth day of the bright half of the lunar month, Ashwin**.

- It is **celebrated with utmost reverence** and is **one of the earliest festivals** dating back to the immemorial eras.
- It is **widely celebrated in India** and **other parts of the world** over nine consecutive days and **nights**.
- **Sharad Navratri 2022** is **starting from October 7** and will **continue till October 15**.
- **Chaitra Navratri 2022** is **starting from April 2** and will **continue till April 11, 2022**.

100. A

- Sol.
- **Rulers of mahajanapadas in ancient India collected a tax called 'Bhaga' from the Farmers in their region.**
 - **Bhaga** was levied on agricultural produce and cattle at the rate of one-sixth whereas **Bali** was a religious tribute.
 - The **Brahmins, women, children, armourers, sons** and the king's men were exempted from paying tax.
 - It was the **next source of revenue in ancient Indian society**.
 - **Herders** used to pay tax in the form of animals and animal produce.
 - **Hunters and gatherers** used to pay in the form of forest produce.
 - **Craftspersons** had to pay taxes in the form of free labour.

Mock Test Solutions in Hindi

Questions

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

EFFICIENT

- | | |
|-----------|-----------|
| A. expert | B. common |
| C. idle | D. clever |

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

Close to one's heart

- | | |
|------------------------------|----------------------------------|
| A. One who is being followed | B. One who treats heart problems |
| C. One who is very emotional | D. Dear and important to oneself |

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

A place for keeping birds

- | | |
|-----------|-----------|
| A. Aviary | B. Apiary |
| C. Barn | D. Shed |

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

DELICATE

- | | |
|----------|-----------|
| A. brisk | B. robust |
| C. frail | D. Hearty |

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

The farmer is cutting the corn which has ripen in the fields.

- | | |
|------------------|---------------------|
| A. in the fields | B. which has ripen |
| C. The farmer is | D. cutting the corn |

6. Select the INCORRECTLY spelt word.

- | | |
|------------|-------------|
| A. Poletry | B. Symmetry |
| C. Sultry | D. Gentry |

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

Go bonkers

A. Become crazy

C. Become selfish

B. Become wealthy

D. Become greedy

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

I paid the plumber for repair the pipes.

A. for repair

B. the pipes

C. I paid

D. the plumber

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

The task has been _____ to the juniors.

A. assigned

B. attached

C. hired

D. elected

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

The strong wind blow off all the candles.

A. No substitution required

B. blew out

C. blow up

D. blowing away

11. 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.'

There are very little peoples in this world who are bold enough to defy social customs.

A. very few people

B. too much people

C. very much peoples

D. No substitution required

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

I visit my grandparents _____.

A. continuously

B. unevenly

C. regularly

D. finally

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

A person who pretends to be someone else to deceive others

- A. Actor
- B. Imposter
- C. Mentor
- D. Gangster

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

The children jumped at joy when they saw the slides in the park.

- A. when they saw
- B. at joy
- C. in the park
- D. The children jumped

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

He got away from punishment as there was not enough evidence against him.

- A. was getting away from
- B. No substitution required
- C. gets away from
- D. got out with

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

BAFFLE

- A. clarify
- B. perplex
- C. comfort
- D. Soothe

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

This lesson is _____ than the previous one.

- A. easiest
- B. more easier
- C. much easier
- D. Easy

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

STABLE

- A. steady
- B. shaky
- C. stout
- D. Safe

19. Select the INCORRECTLY spelt word.

- A. Tourist
- B. Chemist
- C. Cyclist
- D. Flowerist

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

is the reason for this chaos?

- A. Why
 - B. Whom
 - C. What
 - D. When

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

The judge, in a solemn manner, declared (###Q1###) there was enough evidence to (###Q2###) that Max had indeed (###Q3###) his neighbour's cat. This was a (###Q4###) crime and deserved an (###Q5###) punishment.

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

- A. that
 - B. what
 - C. so
 - D. Which

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

- | | |
|-----------|----------|
| A. result | B. test |
| C. check | D. Prove |

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

- | | |
|-----------|-------------|
| A. stolen | B. stealing |
| C. stole | D. Steal |

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

- | | |
|----------|------------|
| A. stern | B. serious |
| C. sober | D. Steady |

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

- A. invisible
 - B. improper
 - C. appropriate
 - D. Anxious

26. निम्नलिखित शब्दख्ला में कौन सी संख्या प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगी?

11, 13, 16, 26, 41, 67, 102, ?

- | | |
|--------|--------|
| A. 251 | B. 215 |
| C. 152 | D. 125 |

27. कक्षा में इंटरेक्टिव बोर्ड की ओर मुख करके छह छात्र एक बैंच पर बैठे हैं। A, B की दाईं ओर से दूसरे स्थान पर बैठा है, जबकि F, E की दाईं ओर से दूसरे स्थान पर बैठा है। यदि C, A की दाईं ओर से दूसरे स्थान पर है, तो F के संदर्भ में D की बैठने की स्थिति क्या है?

A. ठीक बाई ओर

C. दाई ओर से तीसरा

B. दाई ओर से दूसरा

D. बाई ओर से दूसरा

28. निम्नलिखित शब्दों के अनुक्रमिक क्रम को इंगित करने के लिए सही विकल्प का चयन करें जैसे वे एक शब्दकोश में दिखाई देते हैं।

1). Dreamlike

2). Dreamer

3). Dreamy

4). Dreamland

5). Dreamtime

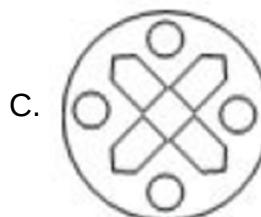
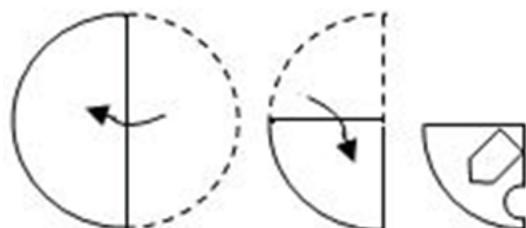
A. 4 - 1 - 2 - 3 - 5

B. 1 - 4 - 2 - 5 - 3

C. 2 - 4 - 1 - 5 - 3

D. 2 - 4 - 1 - 3 - 5

29. एक कागज को निम्नलिखित आकृतियों में दर्शाए अनुसार मोड़ा और काटा जाता है कागज खोले जाने पर कैसा दिखाई देगा?



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

RLKQSN
A. NSQKLR
C. БГКОСИ

B. RLKQSN
D. NSQKLR

31. दिए गए समीकरण को संतुलित करने के लिए * प्रतीकों को प्रतिस्थापित करने हेतु गणितीय प्रतीकों के सही अनुक्रम का चयन करें।

$$92*4*36*13*9=104$$

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

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

मंगलवार : शनिवार :: मई : _____.

- A. सितम्बर
B. अप्रैल
C. अक्टूबर
D. अगस्त

33. यदि एक कोडिंग सिस्टम में STAMINA को 74 और OCTOBER को 75 के रूप में कूटबद्ध किया जाता है, तो उसी कोडिंग सिस्टम में IMPOSING को कैसे कूटबद्ध किया जाएगा?

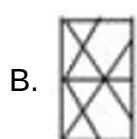
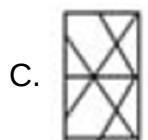
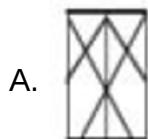
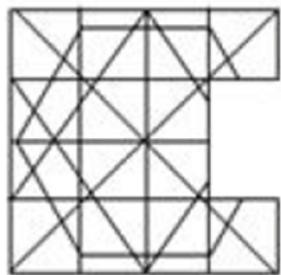
- A. 117
B. 99
C. 114
D. 102

34. निम्नलिखित संख्या शूरूंखला में कौन सी संख्या प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगी?

- 4, 6, 9, 14, 23, 40, ?
A. 72
B. 73
C. 71
D. 74

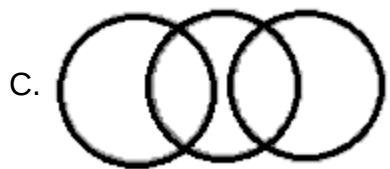
35. यदि - को \div से बदल दिया जाए और + को \times से बदल दिया जाए, तो निम्न में से कौन सा समीकरण सही है?
A. $32 \times 21 + 9 \div 184 - 8 = 198$
B. $32 + 21 - 9 \times 184 \div 8 = 198$
C. $32 \div 21 + 9 - 184 \times 8 = 198$
D. $32 + 21 \times 9 - 184 \div 8 = 198$

36. उस विकल्प आकृति को पहचानें जो निम्नलिखित पैटर्न को पूरा करती है।



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

खेल का मैदान, स्टेडियम, गोलपोस्ट



38. 47 व्यक्तियों की एक पंक्ति में, X आगे से 14वें स्थान पर है जबकि Y पीछे से 17वें स्थान पर है। यदि वे अपना स्थान बदल लेते हैं, तो Y पीछे से 34वें स्थान पर आ जाता है, सामने से X का स्थान क्या होगा?

A. 31

B. 32

C. 30

D. 29

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

कथन:

कुछ वकील, चिकित्सक हैं।

कुछ चिकित्सक, खिलाड़ी हैं।

सभी खिलाड़ी, अभियंता हैं।

निष्कर्ष:

I. कुछ खिलाड़ी, चिकित्सक हैं।

II. कुछ अभियंता, वकील हैं।

III. सभी वकील, अभियंता हैं।

IV. कुछ अभियंता, चिकित्सक हैं।

A. दोनों निष्कर्ष I और II अनुसरण करते हैं।

C. दोनों निष्कर्ष I और III अनुसरण करते हैं।

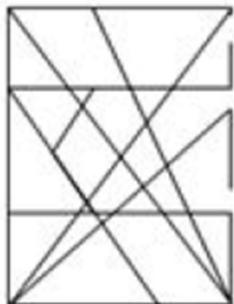
B. दोनों निष्कर्ष I और IV अनुसरण करते हैं।

D. दोनों निष्कर्ष II और IV अनुसरण करते हैं।

40. उस विकल्प की पहचान करें जिसमें निम्नलिखित आकृति अंतर्निहित है (रोटेशन की अनुमति नहीं है)।

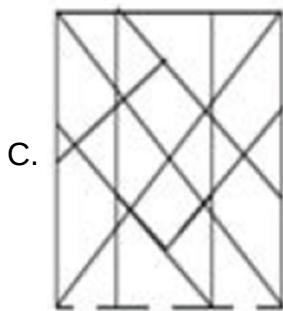
\sum

A.



B.





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

168, 168, 84, 28, ?

A. 4

B. 7

C. 12

D. 14

42. 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।

CONCEPT : DDFOPQU :: NARROWS : _____.

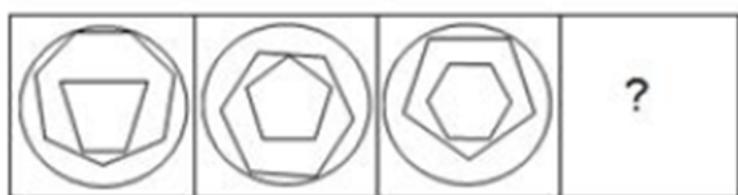
A. OBSSPXT

B. BOPSSTX

C. WSRRONA

D. XTSPOBS

43. उस विकल्प आकृति का चयन करें जो निम्नलिखित आकृति शृंखला में प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगी।





कथनः

सभी पेड़, पौधे हैं।

कुछ पौधे, क्लाइंबर हैं।

निष्कर्षः

I. कुछ पौधे, पेड़ हैं ।

॥. कुछ पेड़, क्लाइंबर हैं ।

A. न तो निष्कर्ष । न ही ॥ अनुसरण करता है

B. केवल निष्कर्ष ॥ अनुसरण करता है

D. केवल निष्कर्ष | अनुसरण करता है

47. उस विकल्प का चयन करें जिसमें संख्याएं उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित सेट की संख्याएं संबंधित हैं।

46 : 82 : 154

A. 70 : 133 : 258

B. 62 : 116 : 224

C. 86 : 159 : 303

D. 78 : 141 : 276

48. निम्नलिखित अक्षर शरंखला में कौन सा अक्षर सम्भव परश्नवाचक चिनह (?) को प्रतिस्थापित करेगा?

क्षेत्रफल आयत के क्षेत्रफल के बराबर है, है:

- A. 64 मी
B. 84 मी
C. 74 मी
D. 82 मी
57. $x + 1, x + 12, 2x + 3$ तथा $3x + 5$ का माध्य 21 है, तो x का मान ज्ञात कीजिए?
A. 12
B. 10
C. 8
D. 9
58. 14 आदमी एक काम को 18 दिनों में पूरा करते हैं। यदि 21 पुरुष कार्यरत हैं, तो उसी कार्य को पूरा करने में कितना समय लगेगा?
A. 14 दिन
B. 10 दिन
C. 15 दिन
D. 12 दिन
59. $\frac{2 - \left(\frac{6}{7} \text{ of } 21 + 5.25\right)}{\frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39}$ का मान ज्ञात कीजिए?
A. $\frac{11}{5}$
B. -1
C. $\frac{17}{5}$
D. 1
60. रमेश ने सुरेश से 30% अधिक निवेश किया, सुरेश ने अरुण, जिसने 8,000 रुपये का निवेश किया है, से 40% कम निवेश किया। उन सभी द्वारा एक साथ निवेश की गई कुल राशि है:
A. 19,020 रु.
B. 18,020 रु.
C. 19,040 रु.
D. 19,080 रु.
61. एक मजदूर को कुछ दिनों के लिए 8,500 रुपये में कार्य पर लगाया गया था, लेकिन कुछ दिनों के लिए उसकी अनुपस्थिति के कारण उसे केवल 6,050 रुपये का भुगतान किया गया था। ज्ञात कीजिए कि वह कितने दिनों तक अनुपस्थित रहा।
A. 49
B. 45
C. 44
D. 42
62. एक नया बेलन बनाने के लिए यदि एक बेलन की तिऱज्या 40% कम कर दी जाए और ऊंचाई 60% बढ़ा दी जाए, तो आयतन में कितनी कमी होगी?
A. 41.5%
B. 32.4%
C. 40.5%
D. 42.4%
63. तीन संख्याएँ 2:3:4 के अनुपात में हैं। उनके वर्गों का योग 2349 है। इन तीनों संख्याओं का औसत ज्ञात कीजिए।
A. 27
B. 29
C. 24
D. 25
64. एक फर्म में 70 पुरुष और 100 महिलाएं काम कर रही हैं। एक सामूहिक भर्ती अभियान के दौरान समान संख्या में पुरुषों और महिलाओं की भर्ती की जाती है और उनका अनुपात 3 : 4 हो जाता है। भर्ती के बाद फर्म में काम करने वाले लोगों की कुल संख्या है:
A. 240
B. 200

C. 210

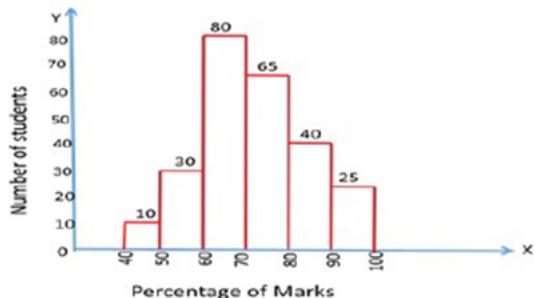
D. 220

65. चीनी की कीमत में 15% की कमी से अरुणा राय को 272 रुपये में 6 किलो अधिक चीनी खरीदने में मदद मिलती है। प्रति किलो चीनी की घटी हुई कीमत है:
- A. 7.80 ₹.
B. 6 ₹.
C. 6.80 ₹.
D. 6.50 ₹.
66. A की गति, B की गति से 20 किमी/घंटा अधिक है। A को 300 किमी की दूरी तय करने में लगने वाला समय B द्वारा 240 किमी की दूरी तय करने में लगने वाले समय से 2 घंटे कम है। A की गति (किमी/घंटा में) क्या है?
- A. 30
B. 40
C. 45
D. 50
67. A, B का 120% है और B, C का 65% है। यदि A, B और C का योग $\frac{1}{2} 121$ है, तो $2C - 4B + A$ का मान है:
- A. 15
B. 9
C. 10
D. 12
68. लगातार दो वर्षों के बीच, मेरी आय 2 : 5 के अनुपात में है और व्यय 4 : 7 के अनुपात में हैं। यदि दूसरे वर्ष में मेरी आय 75,000 रुपये है और पहले वर्ष में मेरा खर्च 20,000 रुपये है, तो मेरी कुल दो वर्षों में संयुक्त बचत हैं:
- A. 55,000 ₹.
B. 60,000 ₹.
C. 50,000 ₹.
D. 40,000 ₹.
69. आठ क्रमागत संख्याओं का औसत 10.5 है। सबसे बड़ी संख्या ज्ञात कीजिए?
- A. 14
B. 15
C. 18
D. 16
70. एक दुकानदार ने 25 वस्तुओं को इस प्रकार बेचा कि उसे 5 वस्तुओं के विक्रय मूल्य के बराबर लाभ होता है। उसका लाभ प्रतिशत ज्ञात कीजिये?
- A. 20%
B. 30%
C. 25%
D. 15%
71. यदि एक वर्गाकार मैदान के चारों ओर पथ की चौड़ाई 4.5 मीटर है और पथ का क्षेत्रफल 252 मीटर है, तो मैदान की भुजा की लंबाई ज्ञात कीजिए?
- A. 9.5 मी
B. 9 मी
C. 8 मी
D. 8.5 मी
72. A एक काम को 60 दिनों में कर सकता है। वह इस पर 15 दिनों तक कार्य करता है और फिर B अकेला शेष कार्य को 30 दिनों में पूरा करता है। A और B एक साथ काम करके उसी काम को कितने दिनों में पूरा कर सकते हैं?
- A. 22 दिन
B. 22 दिन
C. 20 दिन
D. 24 दिन

73. **निर्देश:** आयत चित्र का अध्ययन कीजिए और नीचे दिए गए प्रश्न का उत्तर दीजिए।

दिया गया ग्राफ एक स्कूल में 2018 में दसवीं कक्षा की बोर्ड परीक्षा में छातरों द्वारा प्राप्त अंकों के प्रतिशत का प्रतिनिधित्व करता है।

छात्रों की कुल संख्या = 250



60% से कम अंक प्राप्त करने वाले छात्रों की संख्या का 80% और उससे अधिक अंक प्राप्त करने वाले छात्रों की संख्या से अनुपात है:

C. घोंघे

D. कोरल

79. 1944 में ब्रेटन वुड्स में विश्व मुद्रा सम्मेलन में भारत के कौन से वित्तमंत्री भारत के प्रतिनिधि थे?

A. केसी नियोगी

B. सीडी देशमुख

C. जॉन मथार्ड

D. आरके शनमुखम चेटटी

80. निम्नलिखित में से कौन भारत की पूर्व प्रधानमंत्री इंदिरा गांधी की पुस्तक है?

A. डिस्कवरी ऑफ इंडिया

B. विंग्स ऑफ फायर

C. माय एक्सपेरिमेंट्स विद ट्रुथ

D. माय ट्रुथ

81. ज्वार के संदर्भ में निम्नलिखित में से कौन सा कथन गलत है?

A. उच्च ज्वार तब आते हैं जब चंद्रमा अपनी पहली और आखिरी तिमाही में होता है।

C. ज्वार-भाटा पृथ्वी की सतह पर सूर्य और चंद्रमा द्वारा लगाए गए गुरुत्वाकर्षण दबाव के कारण होता है।

B. निम्न ज्वार को नीप ज्वार भी कहा जाता है।

D. वसंत ज्वार पूर्णिमा और अमावस्या के दिनों में आता है।

82. प्रारंभिक मानव द्वारा उपयोग किए जाने वाले 'माइक्रोलिथ' _____ थे।

A. सिक्के

B. पत्थर के औजार

C. कपड़े

D. मिट्टी के बर्तन

83. हमारे भोजन में स्टार्च और चीनी _____ के रूप हैं।

A. प्रोटीन

B. वसा

C. विटामिन

D. कार्बोहाइड्रेट

84. _____ एक ऐसा नृत्य है जो बोल, माइम और शुद्ध नृत्य का संयोजन है।

A. कथकली

B. भरतनाट्यम

C. मोहिनीअट्टम

D. कुचिपुड़ी

85. ब्रायोफाइट्स के संदर्भ में निम्नलिखित में से कौन सा कथन सत्य नहीं है?

A. उन्हें पौधों की प्रजातियों का उभयचर कहा जाता है।

B. इनमें पौधे के शरीर के एक हिस्से से दूसरे हिस्से में पानी और अन्य पदार्थों के प्रवाह के लिए एक विशेष ऊतक की उपस्थिति पाई जाती है।

C. उनके शरीर को आमतौर पर तने और पत्ती जैसी संरचनाओं के रूप में विभेदित किया जाता है।

D. मॉस (फनेरिया) और मर्चेटिया ब्रायोफाइट्स के उदाहरण हैं।

86. निम्नलिखित में से किस बैडमिटन खिलाड़ी ने कभी अर्जुन पुरस्कार नहीं जीता?

A. पीवी सिंधु

B. नेहा पंडित

C. पारुल परमार

D. अश्विनी पोनपा

87. निम्नलिखित में से कौन सा व्यक्ति भारतीय क्रिकेट कंट्रोल बोर्ड (BCCI) में लोढ़ा सुधारों के कार्यान्वयन की देखरेख के लिए 2017 में

भारत के सर्वोच्च न्यायालय द्वारा नियुक्त प्रशासकों की समिति (CoA) का हिस्सा नहीं था?

88. सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय (भारत सरकार) की एक रिपोर्ट के अनुसार, भारत ने वर्ष 2016 में शिशु मृत्यु दर (IMR) से 1000 जीवित जन्म दर्ज किया।

89. निम्नलिखित में से कौन सा भारतीय राज्य 26 दिसंबर 2004 को आई सनामी से सबसे बड़ी तरह प्रभावित था?

90. यांत्रिक ऊर्जा, स्थितिज ऊर्जा और ऊर्जा का योग है।

91. इंडियन सुपर लीग (ISL) एक _____ चैंपियनशिप है।

92. भारत के संविधान का अनुच्छेद धार्मिक मामलों के प्रबंधन की स्वतंत्रता से संबंधित है।

वस्त के रूप में वर्गीकृत किया जा सकता है।

94. भारत के संविधान का कौन सा भाग नागरिकता से संबंधित है?

95. हम भारत के संविधान को अपनाने के उपलक्ष्य में प्रत्येक वर्ष को 'संविधान दिवस' मनाते हैं।

96. निम्नलिखित में से कौन सी पस्तक मंशी परेमचंद द्वारा लिखी गई है?

97. निम्नलिखित में से कौन सी गंगा नदी की सहायक नदी है?

A. साबरमती B. माही
C. घाघरा D. भीमा

98. बेसल III मानदंड अर्थव्यवस्था के निम्नलिखित में से किस क्षेत्र से संबंधित हैं?

A. बैंकिंग B. पूँजी बाजार
C. ऑटोमोबाइल D. विमानन

99. _____ नवरात्रि के दसवें दिन को दशहरा या विजयदशमी के रूप में मनाया जाता है।

A. शरद B. आषाढ़ गुप्त
C. चैत्र D. माघ गुप्त

100. प्राचीन भारत में महाजनपदों के शासकों ने अपने क्षेत्र में _____ से 'भगा' नामक कर एकत्र किया।

A. किसानों B. चरखाहों
C. शिल्पकारों D. शिकारियों और संग्रहकर्ताओं

Solutions

1. C

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

Efficient = doing something in a good, careful and complete way with no waste of time, money or energy.

E.g.: Our organisation is offering a fast, friendly and efficient service.

Expert = done with having or involving great knowledge or skill.

Common = happening often.

Idle = with no particular purpose or effect OR not serious.

E.g.: The parliamentarian remarked that he was just an idle threat.

Clever = quick at learning and understanding things.

Hence, option C is the correct answer.

2. D

Sol. The idiom "close to one's heart" means having a lot of importance and interest for someone/something.

Example: The issue of women empowerment is very close to my heart.

Hence, option D is the correct answer.

3. A

Sol. Aviary: a large cage or building for keeping birds.

Apiary: a place where bees are kept.

Barn: a large farm building for storing grain or keeping animals in.

Shed: a small simple building usually built of wood or metal and used for keeping things in.

Hence, option A is the correct answer.

4. C

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

Delicate = easily damaged or broken.

E.g.: We must maintain the delicate ecological balance of the forests.

Brisk = quick; busy.

Robust = strong and healthy.

Frail = physically weak and thin.

E.g.: My friend is becoming too frail to live alone.

Hearty = showing friendly feelings for someone.

Hence, option C is the correct answer.

5. B

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

- “Which” as a relative pronoun is used for animals and things.
- Whereas “that” as a relative pronoun is used for persons, animals and things.
- Interestingly, “That” as a relative pronoun is used when the noun it refers is made specific by adding article “the” before it.

For example:

It is one of the few teams that relies on home-grown talent in the field of martial arts.

- In the given sentence, article “the” is added before the noun “corn”. This way “corn” is made a specific noun. Thus, relative pronoun “that” should be used in place of “which”.
- Also, in present perfect form of verb “has + third form of verb”, we need third form of verb after “has”. Thus, correct third form of verb “ripened” should be used in place of “ripen” (first form of verb).
- Note: Usage of “that” is preferred over “which” if noun is made specific. Main error in the sentence lies in the usage of incorrect “form of verb”.
- Hence, “that has ripened” is the correct substitution.

Thus, the correct sentence will be:

The farmer is cutting the corn that has ripened in the fields.

6. A

Sol. Option A has incorrectly spelt word.

“Poultry” is the correct spelling of the incorrect word “Polettry”. It means birds, for example chickens, ducks, etc. that are kept for their eggs or their meat.

The meaning of other words are:

Symmetry: the exact match in size and shape between two halves, parts or sides of something.

Sultry: very hot and uncomfortable

Gentry: people belonging to a high social class.

7. A

Sol. The idiom "Go bonkers" means to become completely crazy and silly.

Example: We went a bit bonkers when she told us the news.

Hence, option A is the correct answer.

8. A

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

- “Pay” verb takes “to” with it to show the purpose or intention of paying someone.
- Though, “for” as a preposition also shows the purpose but it takes the complete noun phrase after it. Here in the given sentence, using “to” as a preposition also works like an “infinitive marker” because verb “repair” is also written there.

For example:

They pay someone to do the cleaning.

You paid less for the store band.

- Hence, “to repair” is the correct substitution.

Thus, the correct sentence will be:

I paid the plumber to repair the pipes.

9. A

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

- Assigned = to provide a person for a particular task
- Attached = joined to something
- Hired = to give someone a job
- Elected = to choose someone to do a particular job by voting for them.

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

- “Attached” is used in context of “joining something” Thus, option B is incorrect.
- “Hired” is used in context of “give job to someone”. Thus, option C is incorrect.
- “Elected” is used in context of “choose someone via voting”. Thus, option D is incorrect.
- “Assigned” is used in context of “allocate a task to someone”. Here in the given sentence, it is used to show that juniors has been allotted/mark for a particular task.

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

The correct sentence will be: The task has been assigned to the juniors.

10. B

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

- Underlined part needs correction in phrasal verb.
- “Blow out” as a phrasal verb means if a flame etc. blows out, it put out by the wind etc.

For example:

He opened the door and the candle blew out.

- “Blow something off” as a phrasal verb means to deliberately not to do something that you said you would.

For example:

She always looks for an excuse to blow off the work.

- “Blow something up” as a phrasal verb means to explode.

For example:

A woman was killed when the car blew up.

- In the underlined sentence, we need the sense of “putting out by the wind” which is reflected in the usage of preposition “out”. Thus, it is appropriate to use preposition “out” in place of preposition “off”.
- Hence, “blew out” is the correct substitution.

Thus, the correct sentence will be:

The strong wind blew out all the candles.

Hence, option B is the correct answer.

11. A

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

- Underlined part needs correction in adjective/determiner.
- “Few” as a determiner is used with plural nouns (countable) and a plural verb to mean “a small number”, “some”.

For example:

We need a few things from the store.

- “Little” as a determiner is used with uncountable nouns to mean “a small amount”, “some”.

For example:

Unfortunately, any little noise can set off the alarm.

- In the underlined sentence, we have “people” as noun which is countable in nature. We need a determiner (adjective) which can be used to quantify the countable noun. Thus, determiner “few” should be used in place of determiner “little”.
- Hence, “very few people” is the correct substitution.

Thus, the correct sentence will be:

There are very few people in this world who are bold enough to defy social customs.

Hence, option A is the correct answer.

12. C

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

- Continuously = in a way that happens or exists for a period of time without being interrupted.
- Unevenly = not following a regular pattern.
- Regularly = often
- Finally = after a long time, esp. when there has been some difficulty or delay

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

- “Continuously” is used in context of “without interruption” Thus, option A is incorrect.
- “Unevenly” is used in context of “irregular pattern”. Thus, option B is incorrect.
- “Finally” is used in context of “eventually”. Thus, option D is incorrect.
- “Regularly” is used in context of “often”. Here in the given sentence, it used to show that the grandparents visit “I” often i.e. many times.

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

Thus the correct sentence will be:

I visit my grandparents regularly.

13. B

Sol. Actor: a person who performs on the stage, on television or in films especially as a profession.

Imposter: a person who pretends to be someone else in order to trick people

Mentor: an experienced person who advises and helps someone with less experience over a period of time.

Gangster: a member of group of violent criminals.

Hence, option B is the correct answer.

14. B

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

• “Jump with something” means to be filled with and energized by some positive emotion.

For example:

The kids were jumping with excitement when they saw the balloons in the party.

• “Jump at somebody” means to criticize someone.

• In the given sentence, sentence demands the sense of filling with excitement within the children on seeing the slides in the park. Thus, preposition “with” should be used in place of “at”.

• Hence, “with joy” is the correct substitution.

Thus, the correct sentence will be:

The children jumped with joy when they saw the slides in the park.

Hence, option B is the correct answer.

15. B

Sol. The underlined part of the sentence is grammatically correct.

Hence, option B is the correct answer.

16. B

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

Baffle = to confuse someone completely.

E.g.: We are baffled why he has not called.

Clarify = to make something clearer or easier to understand

Perplex = make someone confused or worried.

E.g.: We are perplexed by his response at the meeting.

Comfort = to make someone who is worried or unhappy feel better by being kind and showing sympathy to them

Soothe = to make someone who is anxious, upset etc. feel calmer.

Hence, option B is the correct answer.

17. C

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

- Easiest = superlative degree of “easy” (adjective)
- More easier = “Easier” is the comparative degree of “easy”. “More” is also used to show comparison.
- Much easier = “Much” is an adverb and it means “to a great degree”
- Easy = (adjective) not difficult; done or obtained without a lot of effort or problems.

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

- “Easiest” is the superlative degree of “easy” (adjective). Thus, option A is incorrect.
- “More easier” is superfluous in nature because two words shows the same meaning of comparative degree. Thus, option B is incorrect.
- “Easy” is the positive degree but we need comparative degree in the filler. Thus, option D is incorrect.

- "Much easier" is used in context of "to a great degree". Here in the given sentence, it used to show the great degree of "easiness" of lesson that was taught later.

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

Thus the correct sentence will be: This lesson is much easier than the previous one.

18. B

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

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

E.g.: The situation in our locality has remained relatively stable for a few years now.

Steady = developing gradually and in an even and regular way.

Shaky = shaking and feeling weak because you are ill, emotional or old.

E.g.: The old woman was very shaky on her feet.

Stout = (of a person) rather fat

Safe = protected from any danger, harm or loss.

Hence, option B is the correct answer.

19. D

Sol. Option D has incorrectly spelt word.

"Floweriest" is the correct spelling of the incorrect word "Flowerist". It means covered or decorated with flowers.

The meaning of other words are:

Tourist: a person who is travelling or visiting a place for pleasure

Chemist: a person whose job is to prepare and sell medicines, and who works in a shop

Cyclist: a person who rides a bicycle.

20. C

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

- Why = used in questions to ask the purpose of something
- Whom = is the objective form of “who”. It is used to show which person or people you mean.
- What = used in questions to ask for particular information about someone/something.
- When = used in questions to ask on what occasion.

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

- “Why” is used in context of “asking purpose” Thus, option A is incorrect.
- “Whom” is used in context of “person or people”. Thus, option B is incorrect.
- “When” is used in context of “occasion”. Thus, option D is incorrect.
- “What” is used in context of “asking particular information”. Here in the given sentence, it is used for asking the reason for the chaos.

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

The correct sentence will be: What is the reason for this chaos?

21. A

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

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

“So” as an adverb is used to show to such a great degree. Thus, option C is wrong.

“Which” as a relative pronoun is used for thing or an idea (abstract noun). Thus, option d is wrong.

“That” as a conjunction is used after verbs, adjectives and nouns to introduce a new part of the sentence. Here it is used after the verb “declared” to introduce the new part “there was enough evidence...”

Hence, option A is the correct answer.

22. D

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Result” means to make something happen. Thus, option A is wrong.

“Test” means to find out how much someone knows. Thus, option B is wrong.

“Check” means to examine something to see if it is correct, safe or acceptable. Thus, option C is wrong.

“Prove” means to use facts, evidence etc. to show that something is true.

In the given sentence, it is used to mention that there was enough evidence to show that Max was involved in stealing his neighbour’s cat.

Hence, option D is the correct answer.

23. A

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Stealing” is the “-ing” form of the verb. Thus, option B is wrong.

“Stole” is the second form of verb. Thus, option C is wrong.

“Steal” is the first form of verb. Thus, option D is wrong.

“Stolen” is the third form of verb. Here it is used, in the past perfect form: “had + third form of verb”.

Hence, option A is the correct answer.

24. B

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Stern” means strict. Thus, option A is wrong.

“Sober” means not drunk. Thus, option C is wrong.

“Steady” means developing, growing etc. gradually and in an even and regular way. Thus, option D is wrong.

“Serious” means bad or dangerous.

In the given sentence, it is used to mention that crime committed by Max was bad/dangerous.

Hence, option B is the correct answer.

25. C

Sol. The given passage is about “Judge’s remarks on Max’s crime”.

“Invisible” means something that cannot be seen. Thus, option A is wrong.

“Improper” means dishonest. Thus, option B is wrong.

“Anxious” means feeling worried or nervous. Thus, option D is wrong.

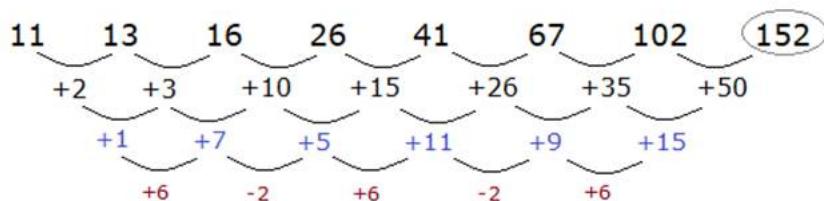
“Appropriate” means suitable, acceptable or correct for the particular circumstances.

In the given sentence, it is used to mention that Max deserves a suitable/correct punishment for the crime committed by him.

Hence, option C is the correct answer.

26. C

Sol. पैटर्न इस प्रकार है:



इसलिए, विकल्प C सही उत्तर है।

27. B

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



इसलिए, विकल्प B सही उत्तर है।

28. C

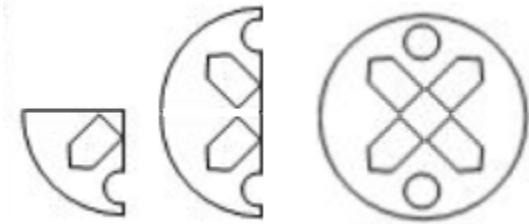
Sol. यहां पहले चार अक्षर 'Drea' स्थिर हैं और शेष अक्षरों को उनके वर्णानुक्रम के अनुसार व्यवस्थित किया गया है जैसा कि नीचे दिखाया गया है:

2. Dreamer, 4. Dreamland, 1. Dreamlike, 5. Dreamtime, 3. Dreamy

इसलिए, विकल्प C सही उत्तर है।

29. A

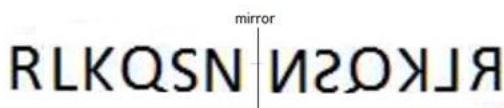
Sol. जब कागज के दिए गए टुकड़े को खोला जाता है तो यह नीचे दर्शाए अनुसार दिखाई देगा:



इसलिए, विकल्प A सही उत्तर है।

30. B

Sol. दी गई आकृति का सही दर्पण प्रतिबिम्ब नीचे दिखाए अनुसार होगा:



इसलिए, विकल्प B सही उत्तर है।

31. A

Sol. '*' को विकल्प (A) में दिए गए प्रतीकों से प्रतिस्थापित करने पर हमें प्राप्त होता है;

$$92 \div 4 - 36 + 13 \times 9 = 104$$

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

$$\rightarrow 23 - 36 + 117$$

$$\rightarrow 104$$

= दाईं ओर से

इसलिए, विकल्प A सही उत्तर है।

32. A

Sol. मंगलवार से 3 दिन बाद शनिवार आता है। इसी तरह, मई से 3 महीने बाद सितंबर आता है।

इसलिए, विकल्प A सही उत्तर है।

33. B

Sol. पैटर्न इस प्रकार है:

STAMINA -> $19+20+1+13+9+14+1 = 77 - 3 = 74$

OCTOBER -> $15+3+20+15+2+5+18 = 78 - 3 = 75$

इसी तरह,

IMPOSING -> $9+13+16+15+19+9+14+7 = 102 - 3 = 99$

इसलिए, विकल्प B सही उत्तर है।

34. B

Sol. पैटर्न इस प्रकार है:

$$4 \times 2 - 2 = 6$$

$$6 \times 2 - 3 = 9$$

$$9 \times 2 - 4 = 14$$

$$14 \times 2 - 5 = 23$$

$$23 \times 2 - 6 = 40$$

$$40 \times 2 - 7 = 73$$

इसलिए, विकल्प B सही उत्तर है।

35. A

Sol. यदि हम विकल्प (A) में दिए गए समीकरण के प्रतीकों को दिए गए प्रतीकों से प्रतिस्थापित करते हैं, तो हमें प्राप्त होता है;

A). $32 + 21 \times 9 - 184 \div 8 = 198$

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

$$\rightarrow 32 + 189 - 23$$

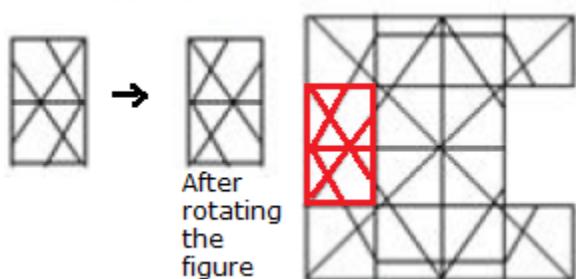
$$\rightarrow 221 - 23 = 198$$

=दाईं ओर से

इसलिए, विकल्प A सही उत्तर है।

36. C

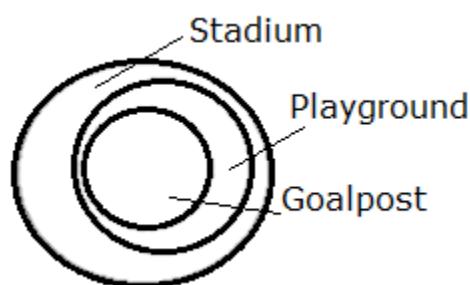
Sol. नीचे दिखाए अनुसार घुमाए जाने के बाद विकल्प आकृति (C) दी गई आकृति में पूरी तरह से अंतर्निहित है:



इसलिए, विकल्प C सही उत्तर है।

37. B

Sol. एक स्टेडियम में खेल का मैदान है और खेल के मैदान में एक गोलपोस्ट है।



इसलिए, विकल्प B सही उत्तर है।

38. A

Sol. दी गई जानकारी के अनुसार:

पीछे से Y का स्थान 17वां है

जब Y, X के साथ अदला-बदली करता है तो पीछे से उसका स्थान 34वां होता है

इसका अर्थ है कि $Y - X = 34 - 17 = 17$ वें स्थान पर होगा।

साथ ही, आगे से X का स्थान 14वां है

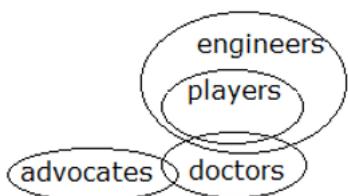
तो, जब X, Y के साथ अदला-बदली करता है, तो पीछे से उसकी स्थिति होगी;

$$14 + 17 = 31$$

इसलिए, विकल्प A सही उत्तर है।

39. B

Sol. न्यूनतम संभावित वेन-आरेख होगा:



निष्कर्षः

I. कुछ खिलाड़ी, चिकित्सक हैं – यह एक निश्चित मामला है, इसलिए सही है।

II. कुछ अभियंता, वकील हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

III. सभी वकील, अभियंता हैं - यह एक निश्चित मामला नहीं है, इसलिए गलत है।

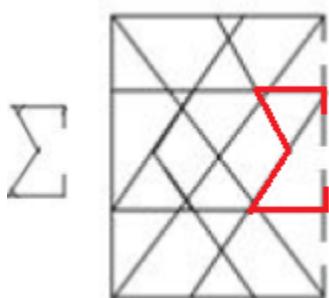
IV. कुछ अभियंता, चिकित्सक हैं – यह एक निश्चित मामला है, इसलिए सही है।

इस प्रकार, केवल I और IV अनुसरण करते हैं।

इसलिए, विकल्प B सही उत्तर है।

40. B

Sol. दी गई आकृति विकल्प आकृति (B) में पूरी तरह से अंतर्निहित है जैसा कि नीचे दिखाया गया है:



इसलिए, विकल्प B सही उत्तर है।

41. B

Sol. पैटर्न इस प्रकार है;

$$168 \div 1 = 168$$

$$168 \div 2 = 84$$

$$84 \div 3 = 28$$

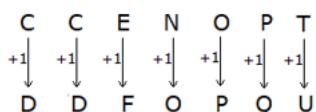
$$28 \div 4 = 7$$

इसलिए, विकल्प B सही उत्तर है।

42. B

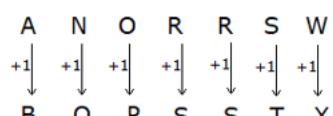
Sol. पैटर्न इस प्रकार है: पहले अक्षरों को उनकी स्थिति के अनुसार वर्णनुक्रम में फिर से व्यवस्थित किया जाता है। फिर कूट अक्षर प्राप्त करने के लिए जोड़ें (+1)।

अतः, CONCEPT -> CCENOPT



इसी प्रकार,

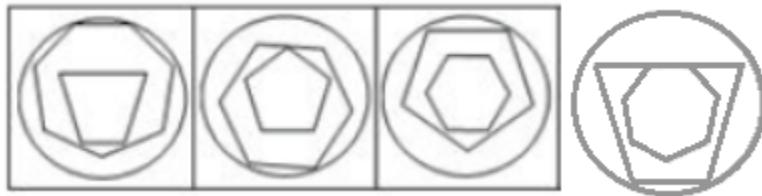
NARROWS -> ANORRSW



इसलिए, विकल्प B सही उत्तर है।

43. D

Sol. तर्क: यहां बाहरी आकृति एक रेखा से कम होती है जैसे कि आकृति सप्तभुज (7 भुजाएं), षट्भुज (6 भुजाएं), पंचभुज (5 भुजाएं) के रूप में बनती है, इसलिए अगली आकृति एक आयत (4 भुजाएं) होनी चाहिए। साथ ही आंतरिक आकृति एक रेखा से बढ़ती है जैसे कि आयत (4 भुजाएं), पंचभुज (5 भुजाएं), षट्भुज (6 भुजाएं) के रूप में बनी आकृति इस प्रकार अगली आकृति सप्तभुज (7 भुजाएं) होनी चाहिए।



इसलिए, विकल्प D सही उत्तर है।

44. A

Sol. पैटर्न इस प्रकार है: यहां प्रत्येक अक्षर को एक संख्या के साथ कूटबद्ध किया गया है जैसा कि नीचे दिखाया गया है;

L	E	A	R	N	I	N	G
8	2	4	6	3	7	3	9

इसके अलावा,

M	O	B	I	L	E
5	1	0	7	8	2

इसलिए, निम्नलिखित अक्षरों को इस प्रकार कूटबद्ध किया गया है:

I	M	A	G	I	N	E
7	5	4	9	7	3	2

इसलिए, विकल्प A सही उत्तर है।

45. B

Sol. पैटर्न इस प्रकार है; यहां अक्षरों को उनके क्रम के अनुसार वर्णानुक्रम में पुनः व्यवस्थित किया गया है,

GLAMOUR -> AGLMORU

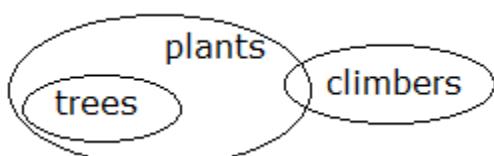
इसी तरह,

RUTTING -> GINRTTU

इसलिए, विकल्प B सही उत्तर है।

46. D

Sol. न्यूनतम संभावित वेन-आरेख होगा;



निष्कर्ष:

- I. कुछ पौधे, पेड़ हैं – यह एक निश्चित मामला है, इसलिए सही है।
II. कुछ पेड़, क्लाइंबर हैं – यह एक निश्चित मामला नहीं है, इसलिए गलत है।

इस प्रकार, केवल I अनुसरण करता है।

इसलिए, विकल्प D सही उत्तर है।

47. B

Sol. पैटर्न इस प्रकार है:

(46 : 82 : 154) में

$$46 + (9 \times 4) = 46 + 36 = 82$$

$$82 + (9 \times 8) = 82 + 72 = 154$$

इसी तरह,

(62 : 116 : 224) में

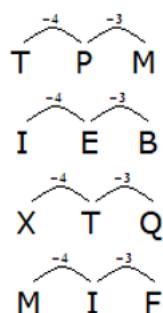
$$62 + (9 \times 6) = 62 + 54 = 116$$

$$116 + (9 \times 12) = 116 + 108 = 224$$

इसलिए, विकल्प B सही उत्तर है।

48. A

Sol. पैटर्न इस प्रकार है:



इसके अलावा, M(13) \rightarrow (-4) \rightarrow I(9)

B(28) \rightarrow (-4) \rightarrow X(24)

Q(17) \rightarrow (-4) \rightarrow M(13)

इसलिए, विकल्प A सही उत्तर है।

49. C

Sol. पैटर्न इस प्रकार है;

I	R	O	N	I	N	G
+6	+5	+4	+3	+2	+1	+0
O	W	S	Q	K	O	G

इसी तरह,

S	H	E	R	I	F	F
+6	+5	+4	+3	+2	+1	+0
Y	M	I	U	K	G	F

इसलिए, विकल्प C सही उत्तर है।

50. A

Sol. ट्रक सड़क पर चलता है, वैसे ही ट्राम सार्वजनिक सड़क पर बिछाई गई पटरियों पर चलती है।

इसलिए, विकल्प A सही उत्तर है।

51. D

Sol. माना राशि = P रु.

हम जानते हैं कि:

$$P \xrightarrow[4 \text{ years}]{3 \text{ times}} 3P \xrightarrow[4 \text{ years}]{3 \text{ times}} 9P$$

अतः यह 8 वर्ष में 9 गुना हो जाता है।

अतः विकल्प D सही है।

52. D

Sol. हम जानते हैं कि:

$$\text{चाल} = \frac{\text{दूरी}}{\text{समय}}$$

$$= \frac{275}{\left(\frac{5}{2}\right)}$$

$$= \frac{275 \times 2}{5}$$

$$= 110 \text{ किमी/घंटा}$$

इसलिए, समान चाल से 440 किमी की दूरी तय करने में लगा अभीष्ट समय = $\frac{440}{110} = 4 \text{ घंटे}$

अतः, विकल्प D सही है।

53. B

Sol. माना दो वस्तुओं का क्रय मूल्य $4x$ और $5x$ है।

$$\text{प्रथम वस्तु का विक्रय मूल्य} = \text{क्रय मूल्य} \times \frac{(100+\text{लाभ \%})}{100} = (4x) \times \frac{110}{100} = 4.4x$$

$$\text{दूसरी वस्तु का विक्रय मूल्य} = (5x) \times \frac{(100+20)}{100} = (5x) \times \frac{120}{100} = 6x$$

प्रश्नानुसार,

$$\Rightarrow 6x - 4.4x = 480$$

$$\Rightarrow 1.6x = 480$$

$$\Rightarrow x = 300 \text{ रु.}$$

अतः दोनों वस्तुओं के क्रय मूल्य का कुल योग = $4x + 5x = 9x = 9 \times 300 = 2700 \text{ रु.}$

अतः, विकल्प B सही है

54. C

Sol. माना कि 8% की दर से पैसा ऋण दिया गया = x रु

10% की दर से ऋण दिया गया धन = $17200 - x$ रु.

प्रश्नानुसार,

$$\text{साधारण ब्याज} = \frac{P \times R \times T}{100}$$

$$\Rightarrow 3008 = \frac{(x) \times 8 \times 2}{100} + \frac{(17200 - x) \times 10 \times 2}{100}$$

$$\Rightarrow 3008 = \frac{4x}{25} + \frac{(17200 - x)}{5}$$

$$\Rightarrow 3008 = \frac{4x + 86000 - 5x}{25}$$

$$\Rightarrow 75200 = 86000 - x$$

$$\Rightarrow x = 86000 - 75200$$

$$\Rightarrow x = 10800$$

अतः 8% की दर से ऋण दिया गया धन = 10800 रु.

अतः विकल्प C सही है।

55. A

Sol. हम जानते हैं कि:

$$\begin{aligned} \text{छिन्नक का आयतन} &= \frac{1}{3}\pi(R^2 + r^2 + Rr)h \\ &= \frac{1}{3} \times \frac{22}{7} \times [(20)^2 + (13)^2 + (20 \times 13)] \times 12 \\ &= \frac{1}{3} \times \frac{22}{7} \times [400 + 169 + 260] \times 12 \\ &= \frac{1}{3} \times \frac{22}{7} \times 829 \times 12 \\ &= 10421.71 \text{ सेमी}^3 \end{aligned}$$

(1 लीटर = 1000 सेमी³)

$$= \frac{10421.71}{1000} \text{ लीटर}$$

$$= 10.4 \text{ लीटर}$$

इसलिए, छिन्नक की क्षमता = 10.4 लीटर

अतः विकल्प A सही है।

56. B

Sol. माना आयताकार खेत की लंबाई और चौड़ाई क्रमशः x मीटर और y मीटर है।

हम जानते हैं कि:

$$\text{आयत का परिमाप} = 2(\text{लंबाई} + \text{चौड़ाई})$$

$$\Rightarrow 386 = 2(x + y)$$

$$\Rightarrow x + y = 193 \dots \text{समी 1}$$

दो आसन्न भुजाओं के बीच का अंतर = 95

$$x - y = 95 \dots \text{समी 2}$$

समी 1 और समी 2 को जोड़ने पर

$$\Rightarrow 2x = 288$$

$$\Rightarrow x = 144 \text{ मी}$$

x का मान समी 1 में रखने पर

$$\Rightarrow 144 + y = 193$$

$$\Rightarrow y = 49 \text{ मी}$$

आयताकार खेत का क्षेत्रफल = वर्गाकार खेत का क्षेत्रफल

$$\Rightarrow 144 \times 49 = (\text{भुजा})^2$$

$$\Rightarrow \text{Side} = 84 \text{ मी}$$

इसलिए वर्गाकार खेत की भुजा = 84 मी

अतः विकल्प B सही है।

57. D

Sol. हम जानते हैं कि:

$$\text{माध्य} = \frac{\text{सभी अवलोकनों का योग}}{\text{अवलोकनों की संख्या}}$$

$$\Rightarrow 21 = \frac{(x+1)+(x+12)+(2x+3)+(3x+5)}{4}$$

$$\Rightarrow 84 = 7x + 21$$

$$\Rightarrow 7x = 84 - 21$$

$$\Rightarrow x = \frac{63}{7}$$

$$\Rightarrow x = 9$$

अतः, विकल्प D सही है

58. D

Sol. माना समान कार्य को पूरा करने के लिए अभीष्ट समय = x

हम जानते हैं कि:

$$W = MDH$$

प्रश्नानुसार,

कार्य = कार्य

$$\Rightarrow 14 \times 18 = 21 \times (x)$$

$$\Rightarrow x = \frac{14 \times 18}{21}$$

$$\Rightarrow x = 12 \text{ दिन}$$

इसलिए, उसी कार्य को पूरा करने में लगा अभीष्ट समय = 12 दिन

अतः, विकल्प D सही है।

59. B

Sol. $\frac{\frac{6}{7} \text{ of } 21 + 5.25}{\frac{3}{4} \text{ of } (15.8 - 3.4) + 5 \times 2.39}$ का मान

BODMAS के नियम का प्रयोग करने पर -

$$= \frac{2 - \left(\frac{6}{7} \times 21 + 5.25 \right)}{\frac{3}{4} \times 12.4 + 11.95}$$

$$= \frac{2 - (18 + 5.25)}{9.3 + 11.95}$$

$$= \frac{2 - 23.25}{21.25}$$

$$= \frac{-21.25}{21.25}$$

$$= -1$$

अतः, विकल्प B सही है।

60. C

Sol. दिया है:

अरुण द्वारा निवेश की गई राशि = 8000 रु.

$$\text{सुरेश द्वारा निवेश की गई राशि} = 8000 \times \frac{(100-40)}{100} = 8000 \times \frac{60}{100} = 4800 \text{ रु.}$$

$$\text{रमेश द्वारा निवेश की गई राशि} = 4800 \times \frac{(100+30)}{100} = 48 \times 130 = 6240 \text{ रु.}$$

इसलिए, उन सभी द्वारा निवेश की गई कुल राशि = $8000 + 4800 + 6240 = 19040$ रु.

अतः, विकल्प C सही है

61. A

Sol. उसकी मजदूरी का अनुपात = $8500 : 6050 = 170 : 121$

उसके वास्तविक दिनों और कार्य दिवसों का अनुपात = $170 : 121$

इसलिए, वह अनुपस्थित था = $170 - 121 = 49$ दिन

अतः, विकल्प A सही है

62. D

Sol. माना बेलन की त्रिज्या = r और बेलन की ऊँचाई = h

हम जानते हैं कि:

बेलन का आयतन = $\pi r^2 h$

$$\text{नये बेलन का आयतन} = \pi \left(r \times \frac{(100-40)}{100} \right)^2 \times \left(h \times \frac{(100+60)}{100} \right)$$

$$= \pi \left(\frac{3r}{5} \right)^2 \times \frac{(8h)}{5}$$

$$= \left(\frac{72\pi r^2 h}{125} \right)$$

$$\text{इसलिए, अभीष्ट प्रतिशत} = \frac{\left(\pi r^2 h - \left(\frac{72\pi r^2 h}{125} \right) \right)}{\pi r^2 h} \times 100$$

$$= \frac{\left(\frac{125\pi r^2 h - 72\pi r^2 h}{125} \right)}{\pi r^2 h} \times 100$$

$$= \frac{53\pi r^2 h}{125\pi r^2 h} \times 100$$

$$= 42.4 \%$$

अतः, विकल्प D सही है

63. A

Sol. माना कि संख्याएँ $2x$, $3x$ और $4x$ हैं

प्रश्नानुसार,

$$\Rightarrow (2x)^2 + (3x)^2 + (4x)^2 = 2349$$

$$\Rightarrow 4x^2 + 9x^2 + 16x^2 = 2349$$

$$\Rightarrow 29x^2 = 2349$$

$$\Rightarrow x^2 = 81$$

$$\Rightarrow x = 9$$

$$\text{इसलिए, तीन संख्याओं का औसत} = \frac{2x+3x+4x}{3} = \frac{9x}{3} = 27$$

अतः, विकल्प A सही है।

64. C

Sol. माना x पुरुषों और x महिलाओं की भर्ती की जाती है।

प्रश्नानुसार,

$$\Rightarrow \frac{70+x}{100+x} = \frac{3}{4}$$

$$\Rightarrow 280 + 4x = 300 + 3x$$

$$\Rightarrow x = 20$$

इसलिए, भर्ती के बाद फर्म में काम करने वाले लोगों की कुल संख्या = $(100 + 20) + (70 + 20) = 210$

अतः, विकल्प C सही है।

65. C

Sol. माना चीनी की कीमत = x प्रति किग्रा

प्रश्नानुसार,

$$\Rightarrow \frac{272}{\left(x \times \frac{85}{100}\right)} - \frac{272}{x} = 6$$

$$\Rightarrow \frac{272 \times 20}{17x} - \frac{272}{x} = 6$$

$$\Rightarrow \frac{320}{x} - \frac{272}{x} = 6$$

$$\Rightarrow \frac{320 - 272}{x} = 6$$

$$\Rightarrow x = \frac{48}{6}$$

$$\Rightarrow x = 8$$

इसलिए, चीनी के दाम में कमी = $8 \times \frac{85}{100} = 6.80$ रु.

अतः, विकल्प C सही है

66. D

Sol. माना B की गति = x किमी/घंटा

A की गति = $x + 20$ किमी/घंटा

हम जानते हैं कि,

$$\text{गति} = \frac{\text{दूरी}}{\text{समय}}$$

प्रश्नानुसार,

$$\Rightarrow \frac{240}{x} - \frac{300}{(x + 20)} = 2$$

$$\Rightarrow \frac{240x + 4800 - 300x}{(x)(x + 20)} = 2$$

$$\Rightarrow 4800 - 60x = 2x^2 + 40x$$

$$\Rightarrow 2x^2 + 100x - 4800 = 0$$

$$\Rightarrow x^2 + 50x - 2400 = 0$$

$$\Rightarrow x^2 + 80x - 30x - 2400 = 0$$

$$\Rightarrow x(x + 80) - 30(x + 80) = 0$$

$$\Rightarrow (x - 30)(x + 80) = 0$$

$$\Rightarrow x = 30, -80$$

इसलिए, A की गति = $x + 20 = 30 + 20 = 50$ किमी/घंटा

अतः, विकल्प D सही है

67. B

Sol. B का मान = $C \times \frac{65}{100} = \frac{65C}{100}$

$$A \text{ का मान} = B \times \frac{120}{100} = \frac{13C}{20} \times \frac{120}{100} = \frac{78C}{100}$$

प्रश्नानुसार,

$$\Rightarrow A + B + C = 121\frac{1}{2}$$

$$\Rightarrow \frac{78C}{100} + \frac{65C}{100} + C = \frac{243}{2}$$

$$\Rightarrow \frac{78C + 65C + 100C}{100} = \frac{243}{2}$$

$$\Rightarrow \frac{243C}{100} = \frac{243}{2}$$

$$\Rightarrow C = 50$$

$$A = \frac{78C}{100} = \frac{78 \times 50}{100} = 39$$

$$B = \frac{65C}{100} = \frac{65 \times 50}{100} = 32.5$$

इसलिए, $2C - 4B + A$ का अभीष्ट मान

$$= 2 \times 50 - 4 \times 32.5 + 39$$

$$= 100 - 130 + 39$$

$$= 9$$

अतः, विकल्प B सही है

68. C

Sol. दिया है:

आय का अनुपात = 2 : 5

द्वितीय वर्ष में आय = 75000 रु.

प्रथम वर्ष में आय = $\frac{75000}{5} \times 2 = 30000$ रु.

खर्च का अनुपात = 4 : 7

प्रथम वर्ष में खर्च = 20000 रु.

$$\text{द्वितीय वर्ष में खर्च} = \frac{20000}{4} \times 7 = 35000 \text{ रु.}$$

प्रथम वर्ष में बचत = आय - खर्च = 30000 - 20000 = 10000

द्वितीय वर्ष में बचत = 75000 - 35000 = 40000

इसलिए, कुल बचत = 10000 + 40000 = 50000 रु.

अतः, विकल्प C सही है।

69. A

Sol. माना आठ क्रमागत संख्याएँ हैं $(x - 4), (x - 3), (x - 2), (x - 1), (x), (x + 1), (x + 2), (x + 3)$

प्रश्नानुसार,

$$\Rightarrow \frac{(x - 4) + (x - 3) + (x - 2) + (x - 1) + (x) + (x + 1) + (x + 2) + (x + 3)}{8} = 10.5$$

$$\Rightarrow 8x - 4 = 84$$

$$\Rightarrow 8x = 88$$

$$\Rightarrow x = 11$$

इसलिए, सबसे बड़ी संख्या = $x + 3 = 11 + 3 = 14$

अतः, विकल्प A सही है।

70. C

Sol. हम जानते हैं कि:

लाभ = विक्रय मूल्य - क्रय मूल्य

$$\Rightarrow 25 \times S.P - 25 \times C.P = 5 \times S.P$$

$$\Rightarrow 25 \times S.P - 5 \times S.P = 25 \times C.P$$

$$\Rightarrow 20 \times S.P = 25 \times C.P$$

$$\Rightarrow C.P : S.P = 20 : 25$$

इसलिए, लाभ प्रतिशत = $\frac{(\text{विक्रय मूल्य} - \text{क्रय मूल्य})}{\text{क्रय मूल्य}} \times 100$

$$= \frac{(25-20)}{20} \times 100$$

$$= \frac{500}{20}$$

$$= 25\%$$

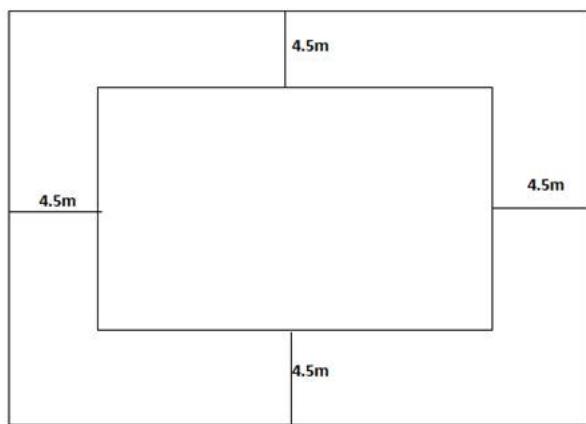
इसलिए, उसका लाभ प्रतिशत = 25%

अतः, विक्रय C सही है।

71. A

Sol. माना मैदान की भुजा की लंबाई = x सेमी

बाहरी क्षेत्र की लंबाई = x + 9 सेमी



हम जानते हैं कि:

$$\text{वर्ग का क्षेत्रफल} = (\text{भुजा})^2$$

प्रश्नानुसार,

$$\Rightarrow (x + 9)^2 - x^2 = 252$$

$$\Rightarrow x^2 + 81 + 18x - x^2 = 252$$

$$\Rightarrow 18x = 252 - 81$$

$$\Rightarrow 18x = 171$$

$$\Rightarrow x = 9.5 \text{ मी}$$

इसलिए, मैदान की भुजा की लंबाई = 9.5 मी

अतः, विकल्प A सही है

72. D

Sol. A द्वारा 1 दिन में किया गया कार्य = $\frac{1}{60}$

A द्वारा 15 दिनों में किया गया कार्य = $\frac{1}{60} \times 15 = \frac{1}{4}$

शेष कार्य = $1 - \frac{1}{4} = \frac{3}{4}$

B कार्य का $\frac{3}{4}$ भाग पूरा कर सकता है = 30 दिनों

B कार्य पूरा कर सकता है = $\frac{30}{3} \times 4 = 40$ दिनों

A और B द्वारा पूरा कार्य करने में लिया गया अभीष्ट समय: -

$$\Rightarrow \frac{1}{(A+B)} = \frac{1}{A} + \frac{1}{B}$$

$$\Rightarrow \frac{1}{(A+B)} = \frac{1}{60} + \frac{1}{40}$$

$$\Rightarrow \frac{1}{(A+B)} = \frac{2+3}{120}$$

$$\Rightarrow \frac{1}{(A + B)} = \frac{5}{120}$$

$$\Rightarrow (A + B) = 24 \text{ दिन}$$

अतः A और B एक साथ कार्य करते हुए पूरे कार्य को 24 दिनों में समाप्त कर सकते हैं।

अतः विकल्प D सही है।

73. B

Sol. 60% से कम अंक प्राप्त करने वाले छात्रों की संख्या = $10 + 30 = 40$

80% और उससे अधिक अंक प्राप्त करने वाले छात्रों की संख्या = $40 + 25 = 65$

इसलिए, अभीष्ट अनुपात = $40 : 65 = 8 : 13$

अतः, विकल्प B सही है।

74. C

Sol. 60% से कम अंक प्राप्त करने वाले छात्रों की संख्या = $10 + 30 = 40$

70% और उससे अधिक अंक प्राप्त करने वाले छात्रों की संख्या = $65 + 40 + 25 = 130$

इसलिए, अभीष्ट प्रतिशत = $\frac{(130-40)}{130} \times 100 = \frac{90}{130} \times 100 = 69.23\%$

अतः, विकल्प C सही है।

75. D

Sol. 70% से कम अंक प्राप्त करने वाले छात्रों का प्रतिशत = $\frac{120}{250} \times 100 = 48\%$

80% और उससे अधिक अंक प्राप्त करने वाले छात्रों का प्रतिशत = $\frac{65}{250} \times 100 = 26\%$

इसलिए अभीष्ट अंतर = $48\% - 26\% = 22\%$

अतः, विकल्प D सही है।

76. C

Sol. • हवा महल जयपुर का एक महल है, जिसे सवाई प्रताप सिंह ने बनवाया था।

• इसे लाल और गुलाबी बलुआ पत्थर से बनाया गया था और इसे लाल चंद उस्ताद ने डिजाइन किया था।

- लालगढ़ पैलेस बीकानेर में एक महल और विरासत होटल है।
- इसे 1902 और 1926 के बीच इंडो-सरसेनिक शैली में बनाया गया था।
- उम्मेद भवन पैलेस विश्व के सबसे बड़े निजी आवासों में से एक है और इसकी आधारशिला 1929 में रखी गई थी।
- सज्जनगढ़ पैलेस राजस्थान के उदयपुर शहर में एक पहाड़ी की चोटी पर स्थित महल है।
- यह लोकप्रिय रूप से मानसून पैलेस के रूप में जाना जाता है और यह सूर्यास्त का सुंदर दृश्य प्रदान करता है।

77. D

Sol. • लगभग 2500 वर्ष पूर्व सिंधु नदी को ईरानियों और यूनानियों द्वारा हिंदो (Hindos) कहा जाता था।

- यह एशिया की एक ट्रांसबांडरी नदी और दक्षिण और मध्य एशिया की एक ट्रांस-हिमालयी नदी है।
- इसका कुल जल निकासी क्षेत्र 1,165,000 किमी² से अधिक है।
- यह ज्वारीय बोर प्रदर्शित करने वाली विश्व की कुछ नदियों में से एक है।
- यह विश्व की सबसे लंबी नदियों में से एक है, जिसकी लंबाई लगभग 3200 किमी है।
- विपासा मध्य हिमाचल प्रदेश में हिमालय में ब्यास नदी के उदय का प्राचीन नाम है।

78. D

Sol. • कोरल जानवरों के साम्राज्य के फाइलम निडारियन के अंतर्गत आते हैं।

- ये फाइलम निडारिया के एंथोजोआ वर्ग के भीतर समुद्री अक्षेत्रकी हैं।
- वे आमतौर पर कई समान व्यक्तिगत पॉलीप्स की कॉम्पैक्ट कॉलोनियां बनाते हैं।
- घोंघा एक सर्पिल आकार का खोल वाला एक छोटा मोलस्क होता है और वे बहुत धीमी गति से चलने और अपने पीछे कीचड़ का निशान छोड़ने के लिए प्रसिद्ध हैं।
- केंचुआ एक स्थलीय अक्षेत्रकी है जो फ़ाइलम एनेलिडा से संबंधित है।
- समुद्री अर्चिन ईचिनोइडिया वर्ग के कॉटेदार, गोलाकार ईचिनोडर्म हैं।

79. D

Sol. • आरके शनमुखम चेटी 1944 में ब्रेटन वुड्स में विश्व मौद्रिक सम्मेलन में भारत के प्रतिनिधि थे।

- उन्होंने 1947 से 1948 तक स्वतंत्र भारत के पहले वित्तमंत्री के रूप में कार्य किया।
- जॉन मथाई ने भारत के पहले रेलमंत्री के रूप में कार्य किया और वे भारतीय स्टेट बैंक के पहले अध्यक्ष थे।
- सीडी देशमुख 1943 में भारतीय रिजर्व बैंक के गवर्नर नियुक्त होने वाले पहले भारतीय थे।
- क्षितिज चंद्र नियोगी भारत के पहले वित्त आयोग के अध्यक्ष थे।

80. D

Sol. • माई ट्रूथ भारत की पूर्व प्रधानमंत्री इंदिरा गांधी की पुस्तक है।

- इसमें इंदिरा गांधी के जीवन के अनछुए पहलुओं को दर्शाया गया है।
- इंदिरा गांधी भारत की तीसरी प्रधानमंत्री और भारत की पहली महिला प्रधानमंत्री थीं।
- डिस्कवरी ऑफ इंडिया भारत के पहले प्रधानमंत्री जवाहरलाल नेहरू द्वारा लिखित पुस्तक है।
- माई एक्सप्रेसिमेंट्स विद ट्रूथ महात्मा गांधी की आत्मकथा है।
- विंग्स ऑफ फायर डॉ अब्दुल कलाम और अरुण तिवारी द्वारा लिखित एपीजे अब्दुल कलाम की आत्मकथा है।

81. A

Sol. • उच्च ज्वार तब होता है जब चंद्रमा अपनी पहली और अंतिम तिमाही में ज्वार के संबंध में गलत होता है।

- ज्वार चंद्रमा और सूर्य द्वारा लगाए गए गुरुत्वाकर्षण बलों और पृथकी के घूर्णन के संयुक्त प्रभाव के कारण समुद्र के स्तर में वृद्धि और गिरावट है।
- उच्च ज्वार चंद्रमा के गुरुत्वाकर्षण दबाव से बनते हैं जो पानी को अपनी ओर खींचता है।
- कम ज्वार वह समय होता है जब समुद्र अपने सबसे निचले स्तर पर होता है क्योंकि ज्वार बाहर होता है।
- स्प्रिंगटाइड एक असामान्य रूप से उच्च ज्वार है जो अमावस्या या पूर्णिमा के समय होता है।

82. B

Sol. • 'माइक्रोलिथ' प्रारंभिक मनुष्यों द्वारा उपयोग किए जाने वाले पत्थर के औजार थे।

- यह एक छोटा पत्थर का उपकरण है जो आमतौर पर फिलंट या चर्ट से बना होता है और इनका उपयोग भाले के बिंदुओं और तीर के सिरों में किया जाता था।
- वे यूरोप, अफ्रीका, एशिया और ऑस्ट्रेलिया में लगभग 35,000 से 3,000 वर्ष पहले मनुष्यों द्वारा बनाए गए थे।

- माइक्रोलिथ दो प्रकार के होते हैं:

a) लेमिनार

b) गैर ज्यामितीय

- उनका उपयोग भाले और तीर जैसे शिकार के हथियार बनाने के लिए किया जाता था।
- मिट्टी के बर्तन टिकाऊ होते हैं क्योंकि इसकी सामग्री पर्यावरण को प्रदूषित किए बिना वापस प्रकृति में विघटित हो जाती है।

83. D

Sol. • हमारे भोजन में स्टार्च और चीनी कार्बोहाइड्रेट के रूप हैं।

- कार्बोहाइड्रेट शरीर के लिए ऊर्जा का मुख्य स्रोत हैं और इन्हें साधारण शर्करा भी कहा जाता है।
- विटामिन ऐसे पदार्थ हैं जिनकी आपके शरीर को सामान्य रूप से बढ़ने और विकसित होने की आवश्यकता होती है।
- वे प्राकृतिक खाद्य पदार्थों में कम मात्रा में मौजूद कार्बनिक पदार्थ हैं।
- प्रोटीन बड़े, जटिल अणु होते हैं जो शरीर में कई महत्वपूर्ण भूमिका निभाते हैं।
- वे एक साथ जुड़े कई अलग-अलग अमीनो एसिड से बने होते हैं।
- वसा आवश्यक फैटी एसिड का एक स्रोत है जिसे शरीर स्वयं नहीं बना सकता है।

84. D

Sol. • कुचिपुड़ी एक ऐसा नृत्य है जो भाषण, माझ्म और शुद्ध नृत्य का संयोजन है।

- यह आंध्र प्रदेश राज्य के लिए स्वदेशी है और आठ प्रमुख भारतीय शास्त्रीय नृत्यों में से एक है।
- मोहिनीअट्टम एक भारतीय शास्त्रीय नृत्य है जो केरल राज्य में विकसित हुआ।
- भरतनाट्यम भारतीय शास्त्रीय नृत्य का एक प्रमुख हिंदू रूप है जिसकी उत्पत्ति तमिलनाडु के आधुनिक क्षेत्र में हुई थी।
- पुराने दिनों में राजघरानों को लुभाने के लिए इसे देवदासी वंश के नृत्य के रूप में भी जाना जाता था।
- कथकली एक शास्त्रीय भारतीय नृत्यरूप है जो कला की एक कहानी नाटक शैली है जो केरल का लोक नृत्य है।

85. B

Sol. • इनमें ब्रायोफाइट्स के बारे में पौधे के शरीर के एक भाग से दूसरे भाग में पानी और अन्य पदार्थों के प्रवाह के लिए एक विशेष उत्तक की उपस्थिति पाई जाती है, यह सत्य नहीं है।

- वे छोटे गैर-संवहनी पौधे हैं जैसे काई, लिवरवॉट्स और हॉर्नवॉट्स।
- उनके पास बीज या फूल नहीं हैं और ब्रायोफाइट्स की लगभग 20,000 प्रजातियां हैं।
- वे ऐसे पौधे हैं जो नम और छायादार स्थानों में उगते हुए पाए जाते हैं और उन्हें पादप साम्राज्य का उभयचर भी कहा जाता है।
- वे प्रजनन प्रक्रिया के लिए पानी पर निर्भर हैं।
- वे अनावृत चट्टानों पर पौधों के उत्तर्वर्तन में महत्वपूर्ण भूमिका निभाते हैं।

86. B

Sol. • नेहा पंडित ने कभी अर्जुन पुरस्कार नहीं जीता।

- पीवी सिंधु को भारत की सबसे सफल खिलाड़ियों में से एक माना जाता है।
- उन्हें 2013 में अर्जुन पुरस्कार से सम्मानित किया जा चुका है।
- वह बैडमिंटन विश्व चैंपियन बनने वाली पहली और एकमात्र भारतीय हैं।
- पारुल परमार एक भारतीय पैरा-बैडमिंटन खिलाड़ी हैं और उन्हें 2009 में अर्जुन पुरस्कार से सम्मानित किया गया था।
- अश्विनी पोनप्पा को 2012 में अर्जुन पुरस्कार से सम्मानित किया गया था और वह विश्व चैंपियनशिप में पदक जीतने वाली दूसरी महिला हैं।

87. B

Sol. • महिम वर्मा भारतीय क्रिकेट कंट्रोल बोर्ड (BCCI) में लोढ़ा सुधारों के कार्यान्वयन की देखरेख के लिए 2017 में भारत के सर्वोच्च न्यायालय द्वारा नियुक्त प्रशासकों की समिति (CoA) का हिस्सा नहीं थे।

- भारतीय क्रिकेट कंट्रोल बोर्ड भारत में क्रिकेट के लिए शासी निकाय है।
- यह युवा मामले और खेल मंत्रालय, भारत सरकार के अधिकार क्षेत्र में है।
- यह विश्व का सबसे अमीर क्रिकेट बोर्ड है और इसका मुख्यालय वानखेड़े स्टेडियम, मुंबई में है।
- रामचंद्र गुहा आधुनिक भारत के इतिहास पर एक महत्वपूर्ण प्राधिकरण हैं।
- विक्रम लिमये नेशनल स्टॉक एक्सचेंज ऑफ इंडिया के प्रबंध निदेशक और सीईओ हैं।

88. C

Sol. • सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय की एक रिपोर्ट के अनुसार, भारत ने वर्ष 2016 में 34 से 1000 जीवित जन्मों की शिशु

मृत्यु दर (IMR) दर्ज की ।

- शिशु मृत्यु दर एक वर्ष से कम आयु के बच्चों के प्रति 1,000 जीवित जन्मों पर होने वाली मौतों की संख्या है ।
- सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय भारत सरकार का एक मंत्रालय है जो जारी किए गए आंकड़ों के कवरेज और गुणवत्ता पहलुओं से संबंधित है ।
- मंत्रालय के दो विंग हैं:

a) सांख्यिकी

b) कार्यक्रम कार्यान्वयन

- यह देश में जारी आंकड़ों के कवरेज और गुणवत्ता पहलुओं को काफी महत्व देता है ।

89. C

Sol. • तमिलनाडु 26 दिसंबर 2004 को सुनामी से सबसे बुरी तरह प्रभावित था ।

- इसने 7993 लोगों की जान गंवाई और लगभग 123,105 घरों को तबाह किया है ।
- 2004 में हिंद महासागर में आए भूकंप और सुनामी 26 दिसंबर 2004 को स्थानीय समयानुसार 07:58:53 बजे आए ।
- यह दर्ज इतिहास में सबसे धातक प्राकृतिक आपदाओं में से एक है ।
- यह समुद्र के नीचे का मेगाथ्रस्ट भूकंप था जिसकी तीव्रता 9.1–9.3 मेगावॉट दर्ज की गई थी ।
- यह अब तक का तीसरा सबसे बड़ा और 21वीं सदी में सबसे बड़ा दर्ज किया गया भूकंप था ।

90. A

Sol. • यांत्रिक ऊर्जा, स्थितिज ऊर्जा और गतिज ऊर्जा का योग है ।

- यह वह ऊर्जा है जो किसी वस्तु के पास उसकी गति के कारण या उसकी स्थिति के कारण होती है ।
- किसी वस्तु की गतिज ऊर्जा वह ऊर्जा है जो उसके पास गति के कारण होती है ।
- गतिज ऊर्जा की मानक इकाई जूल है ।
- विद्युत ऊर्जा विद्युत आवेशित कणों की गति के परिणामस्वरूप प्राप्त ऊर्जा है ।
- रासायनिक ऊर्जा रासायनिक पदार्थों की ऊर्जा है जो रासायनिक प्रतिक्रिया से गुजरने पर निकलती है ।

91. D

Sol. • इंडियन सुपर लीग (ISL) एक फुटबॉल चैंपियनशिप है।

- यह पुरुषों की पेशेवर फुटबॉल लीग है और इसकी स्थापना 21 अक्टूबर 2013 को हुई थी।
- इसकी स्थापना भारत में फुटबॉल के खेल को विकसित करने और देश में इसके प्रदर्शन को बढ़ाने के लिए की गई थी।
- यह अखिल भारतीय फुटबॉल महासंघ और उनके वाणिज्यिक भागीदारों फुटबॉल स्पोर्ट्स डेवलपमेंट लिमिटेड द्वारा आयोजित किया जाता है।
- फुटबॉल एक टीम खेल है जो 11 खिलाड़ियों की दो टीमों के बीच गोलाकार गेंद से खेला जाता है।
- यह अंतर्राष्ट्रीय स्तर पर इंटरनेशनल फेडरेशन ऑफ एसोसिएशन फुटबॉल द्वारा शासित है।

92. B

Sol. • भारत के संविधान का अनुच्छेद 26 धार्मिक मामलों के प्रबंधन की स्वतंत्रता से संबंधित है।

- इस अधिकार का प्रयोग इस प्रकार किया जाना चाहिए जो सार्वजनिक व्यवस्था, नैतिकता और स्वास्थ्य के अनुरूप हो।
- अनुच्छेद 21 भारतीय संविधान का हरदय है।
- यह हमारे भारतीय संविधान में सबसे जैविक और प्रगतिशील प्रावधान है।
- भारत के संविधान का अनुच्छेद 51 अंतर्राष्ट्रीय शांति और सुरक्षा को बढ़ावा देने से संबंधित है।
- अनुच्छेद 56 राष्ट्रपति के कार्यकाल से संबंधित है।

93. B

Sol. • लकड़ी के बल्ले को एक अपारदर्शी वस्तु के रूप में वर्गीकृत किया जा सकता है।

- क्रिकेट के बल्ले के उत्पादन के लिए विलो सबसे पसंदीदा लकड़ी है।
- अपारदर्शी वस्तु वह वस्तु है जो प्रकाश को अपने में से गुजरने नहीं देती है।
- चमकदार वस्तुएं वे वस्तुएं होती हैं जिनकी सतह चमकदार होती है।
- पारदर्शी वस्तुएँ वे वस्तुएँ होती हैं जो प्रकाश को अपने भीतर से पूरी तरह से गुजरने देती हैं।
- पारभासी वस्तुएं वे हैं जो थोड़े प्रकाश को अपने माध्यम से गुजरने देती हैं।

94. C

Sol. • भारत के संविधान का भाग 2 नागरिकता से संबंधित है।

- नागरिकता एक व्यक्ति की स्थिति है जिसे कानून के तहत एक संप्रभु राज्य के कानूनी सदस्य या किसी राष्ट्र से संबंधित होने के रूप में मान्यता दी जाती है।
- भारत के संविधान का भाग 5 संघ से संबंधित है।
- भारत के संविधान का भाग 6 राज्यों से संबंधित है।
- भारतीय संविधान का भाग 4 हमारी राज्य नीति के निदेशक तत्वों से संबंधित है।
- भारतीय संविधान का भाग 3 मौलिक अधिकारों के बारे में बताता है।

95. B

Sol. • हम भारत के संविधान को अपनाने के उपलक्ष्य में प्रतिवर्ष 26 नवंबर को 'संविधान दिवस' मनाते हैं।

- इसे राष्ट्रीय कानून दिवस के रूप में भी जाना जाता है।
- 26 जनवरी को गणतंत्र दिवस के रूप में मनाया जाता है और यह भारत में एक सार्वजनिक अवकाश है।
- भारत में प्रत्येक वर्ष 15 सितंबर को इंजीनियर्स डे के रूप में मनाया जाता है।
- यह भारतीय इंजीनियर भारत रत्न मोक्षगुंडम विश्वेश्वरैया को शरद्धांजलि देने के लिए मनाया जाता है।
- लोगों को यह याद दिलाता है कि लोकतंत्र लोगों के बारे में है, अंतर्राष्ट्रीय लोकतंत्र दिवस 15 सितंबर को मनाया जाता है।

96. D

Sol. • निर्मला को मुंशी प्रेमचंद ने लिखा है।

- यह एक महिला की कहानी है जो उसके मध्य किशोरावस्था से लेकर उसके शुरुआती बीस वर्ष तक है।
- मुंशी प्रेमचंद हिंदी और उर्दू सामाजिक कथाओं के अग्रणी थे।
- वह भारतीय उपमहाद्वीप के सबसे प्रसिद्ध लेखकों में से एक हैं।
- उन्हें बीसवीं शताब्दी की शुरुआत के प्रमुख हिंदी लेखकों में से एक माना जाता है।
- चोखेर बाली का निर्देशन रितुपर्णा घोष ने किया था और इसे रवींद्रनाथ टैगोर ने लिखा था।
- गीतांजलि बंगाली कवि रवींद्रनाथ टैगोर की कविताओं का संग्रह है।

97. C

Sol. • घाघरा, गंगा नदी की एक सहायक नदी है।

- यह एक बारहमासी नदी है जो मानसरोवर झील के पास तिक्कती पठार से निकलती है।
- यह नेपाल की सबसे लंबी नदी है और यह गंगा की एक प्रमुख बाएं किनारे की सहायक नदी है।
- यह मात्रा के हिसाब से गंगा की सबसे बड़ी सहायक नदी है और लंबाई के हिसाब से गंगा की दूसरी सबसे लंबी सहायक नदी है।
- माही नदी पश्चिम की ओर बहने वाली प्रमुख अंतरराज्यीय नदियों में से एक है और माही की कुल लंबाई 583 किमी है।
- साबरमती नदी भारत में पश्चिम की ओर बहने वाली प्रमुख नदियों में से एक है और राजस्थान के उदयपुर जिले की अरावली रेंज से निकलती है।
- भीमा नदी पश्चिमी भारत और दक्षिण भारत की एक प्रमुख नदी है।

98. A

Sol. • बेसल III मानदंड अर्थव्यवस्था के बैंकिंग क्षेत्र से संबंधित हैं।

- यह बैंक पूँजी पर्याप्तता, दबाव परीक्षण और बाजार चलनिधि जोखिम पर एक वैशिक, स्वैच्छिक नियामक ढांचा है।
- यह बैंक फॉर इंटरनेशनल सेटलमेंट्स द्वारा विकसित अंतर्राष्ट्रीय बैंकिंग नियमों का एक समूह है।
- यह अंतर्राष्ट्रीय प्रणाली में स्थिरता को बढ़ावा देता है।
- यह बैंकों द्वारा अर्थव्यवस्था को हुए नुकसान को कम करने के लिए डिज़ाइन किया गया है जो बहुत अधिक जोखिम उठाते हैं।
- बैंकिंग को अन्य व्यक्तियों और संस्थाओं के स्वामित्व वाले धन को स्वीकार करने और सुरक्षित रखने की व्यावसायिक गतिविधि के रूप में परिभाषित किया गया है।

99. A

Sol. • शरद नवरात्रि के दसवें दिन को दशहरा या विजयदशमी के रूप में मनाया जाता है।

- शरद नवरात्रि पहले दिन से शुरू होती है और चंद्र मास, अश्विन के शुक्ल पक्ष के दसवें दिन समाप्त होती है।
- यह अत्यंत शरद्धा के साथ मनाया जाता है और यह प्राचीन काल के सबसे पुराने त्योहारों में से एक है।
- यह भारत और विश्व के अन्य हिस्सों में लगातार नौ दिनों और रातों में व्यापक रूप से मनाया जाता है।
- शरद नवरात्रि 2022, 7 अक्टूबर से शुरू हो रहा है और 15 अक्टूबर तक चलेगा।

- चैत्र नवरात्रि 2022, 2 अप्रैल से शुरू हो रहा है और 11 अप्रैल, 2022 तक जारी रहेगा।

100. A

Sol. ● प्राचीन भारत में महाजनपदों के शासकों ने अपने क्षेत्र के किसानों से 'भगा' नामक कर वसूल किया।

- भगा कृषि उपज और मवेशियों पर 1/6 की दर से लगाया जाता था जबकि बाली एक धार्मिक शरद्धांजलि थी।
- ब्राह्मणों, महिलाओं, बच्चों, अस्त्रकारों, पुत्रों और राजा के पुरुषों को कर से छूट दी गई थी।
- यह प्राचीन भारतीय समाज में राजस्व का अगला स्रोत था।
- पशुपालक पशु और पशु उत्पाद के रूप में कर का भुगतान करते थे।
- शिकारी और संग्रहकर्ता वनोपज के रूप में भुगतान करते थे।
- शिल्पकारों को मुक्त शर्म के रूप में करों का भुगतान करना पड़ता था।