



SSC MTS 2020 Tier I : 12

Oct S1

Mock Test Questions & Solutions

Mock Test Solutions in English

Questions

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

GLITTERING

- | | |
|---------------|-----------|
| A. Shiny | B. Dull |
| C. Attractive | D. Stingy |

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

I have no inform about today's meeting with the managing director.

- | | |
|--------------------------|-------------|
| A. about today's meeting | B. I have |
| C. no inform | D. with the |

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

UNUSUAL

- | | |
|----------------|-----------------|
| A. Commonplace | B. Questionable |
| C. Fantastic | D. Rare |

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

The Health Minister has been discharged from the hospital, _____ he?

- | | |
|------------|-----------|
| A. hadn't | B. hasn't |
| C. haven't | D. didn't |

5. Select the INCORRECTLY spelt word.

- | | |
|----------------|-------------------|
| A. Composition | B. Application |
| C. Suspension | D. Identification |

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

Pravesh's teacher makes him feel as if he is _____.

- | | |
|------------------|----------------|
| A. inappropriate | B. influential |
| C. invisible | D. incompetent |

7. 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'.

Anurag asked me why didn't you pay the driver.

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

According to a recent survey, around 60% of children under the age of 5 years has been immunise.

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

One who treats and prevents diseases of the heart

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.'

These days my parents are been taking great care of my health and want me to eat nuts and seeds, which are rich in vitamins and minerals.

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

I receive a lot of _____ from my family members, who are very encouraging.

- | | |
|----------------|----------------|
| A. expectation | B. invitation |
| C. ambition | D. inspiration |

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

Though they worked day and night to build the highway before the deadline they could not completed it.

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

Never wrong or making a mistake

- A. Infallible
- B. Incapable
- C. Ineligible
- D. Untrustworthy

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

Cakes are Jaya's favourite snack, even samosas is Aparna's preferred choice.

- A. but samosas be
- B. while samosas are
- C. No substitution required
- D. either samosa are

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

Drop in

- A. Reduce in numbers
- B. Have very little effect
- C. Go back on a promise
- D. Pay a casual visit

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

The office superintendent asked me to leave my job application _____ him.

- A. behind
- B. to
- C. between
- D. with

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

A turning point

- A. The time when people decide to give up plans
- B. The time at which an important change starts
- C. A change of destiny that is surprising
- D. A decision to turn things around

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

TRANSPARENT

- A. Clear
- B. Shiny
- C. Opaque
- D. Pretty

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

POLLUTION

- A. Aggravation
- B. Expansion

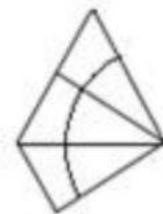
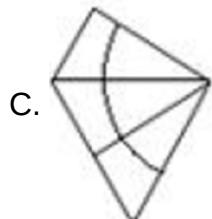
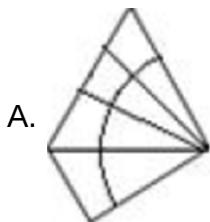
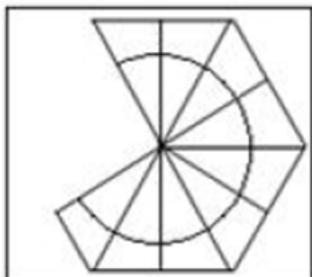
With Covid-19 cases going down in Delhi many hospitals have (1) _____ shifting their focus to other facilities for the treatment of non-Covid patients. At a time when (2) _____ pressure of non-Covid patients continues to increase, the Municipal Corporation (3) _____ hospitals to retain back-up health workers for 100 beds and move the remaining (4) _____ to other units. This move is expected to bring relief to many patients suffering from other diseases (5) _____ cancer, heart or kidney disease, which need urgent services.

Select the most appropriate option to fill in blank number 1.

Reaper : Farmer :: anvil :

- | | |
|--------------|---------------|
| A. Carpenter | B. Watchmaker |
| C. labour | D. Blacksmith |

27. Identify the option figure that completes the pattern in the question figure.

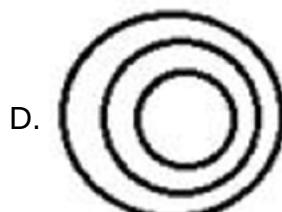
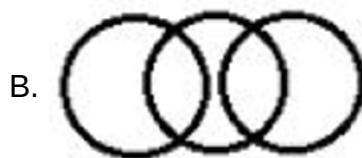


28. Which number will replace the question mark (?) in the following number series?

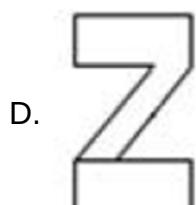
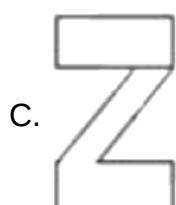
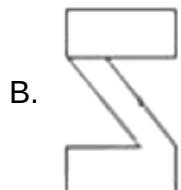
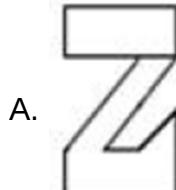
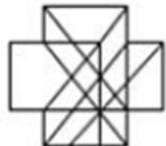
16, 32, 8, 48, 6, 60, 5, ?

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

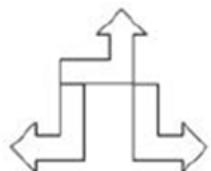
Students, Females, Teachers

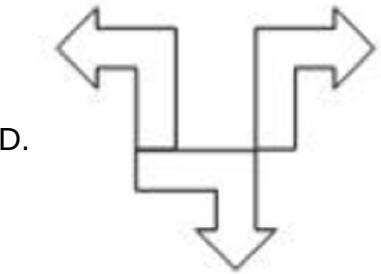
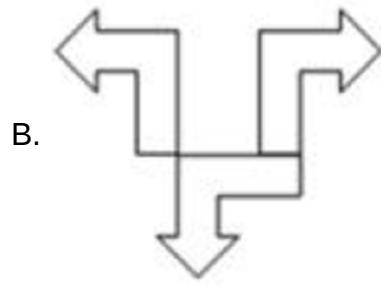
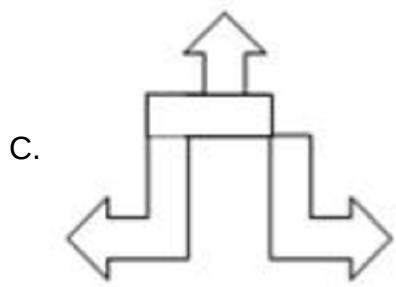
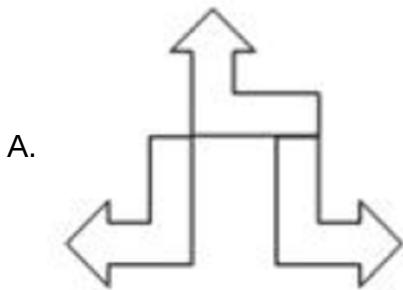


30. Identify the option figure is embedded in the given figure (rotation is NOT allowed).



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





Statements:

All Birds are Sparrows.

All Sparrows are Reptiles.

Conclusions:

- I. Some Reptiles are Birds.
 - II. All Reptiles are Sparrows.
 - III. All Birds are Reptiles.
- A. Both conclusions II and III follow.
B. Both conclusions I and II follow.
C. Neither conclusion I, nor II, and III follow.
D. Both conclusions I and III follow.

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

- (192, 140, 252)
- A. (165, 118, 221)
 - B. (186, 134, 246)
 - C. (165, 140, 192)
 - D. (221, 192, 252)
36. If in a coding system, SHELVES is coded as 1919515222219, and NOMINEE is coded as 1412131814225, then how will SEIZURE be coded in the same coding system?
- A. 8518266185
 - B. 19229262185
 - C. 1922912195
 - D. 8221816922
37. In a certain code language, if EXTRNSIC is written as CIXESNRT, then how will LEFTWING be written in the same code language?
- A. GNELIWTF
 - B. ELGNTFIW
 - C. GNIWTFEL
 - D. TFELGNIW
38. **Two statements are given, followed by two conclusions numbered I and II. 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:

All Machines are Tools.

No Tool is a Computer.

Conclusions:

- I. No Machine is a Computer.

II. Some Computers are Tools.

A. Only conclusion I follows.

B. Both conclusions I and II follow.

C. Neither conclusion I nor II follows.

D. Only conclusion II follows.

256. 123. 66. ?, 18. 6

40. The Coordinator of an International Virtual Conference has planned six guest lectures on different areas— Cryptography, Fluid Dynamics, Big Data Analysis, Wavelet Theory, Differential Equations and Linear Algebra—to be organised only one on each day from Monday to Sunday.

Wavelet Theory should be organised immediately after Differential Equations.

Big Data Analysis should be organised on Wednesday and should not be followed by Linear Algebra. Fluid Dynamics should be organised on Friday and there should be a gap of two days between Cryptography and Linear Algebra.

One day there will be no lecture (Saturday is not that day), and just before that day Linear Algebra will be organised. How many lectures are organised between Big Data Analysis and Wavelet Theory?

- A. Three
 - B. One
 - C. Four
 - D. Two

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

PHONETIC : FLWHQRKS :: SHEEPDOG : ?

- | | |
|-------------|-------------|
| A. JRVKGSHH | B. JRGSHHKV |
| C. VKRJHHSG | D. VKHHSGRJ |

42. If in a coding system, OPULENT is coded as 84 and LEARNER is coded as 114, then how will PHYSICS be coded in the same coding system?

- A. 97
C. 99

- B. 88
D. 90

43. Which two digits can be interchanged so as to balance the given equation?

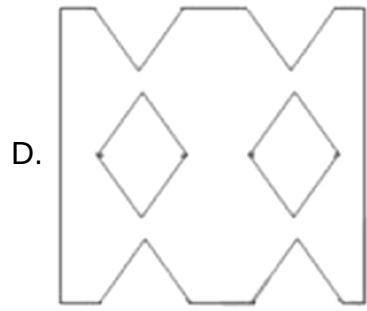
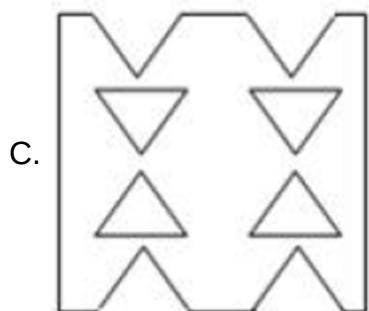
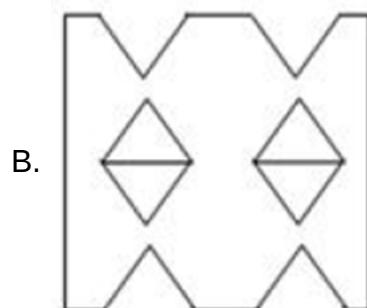
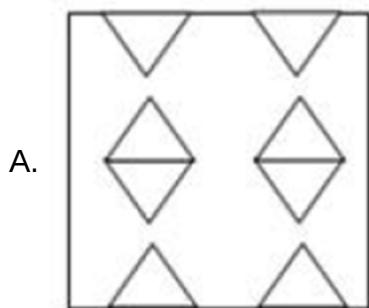
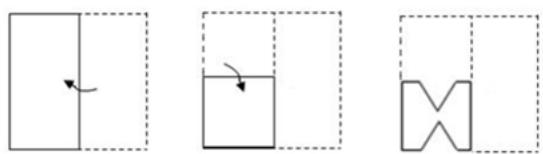
$$186 \div 17 + 104 - 12 \times 3 = 16$$

- A. 2 and 7
C. 6 and 4
- B. 8 and 3
D. 4 and 7

44. Seven persons are sitting along the sides of a heptagon table facing the centre. D is second to the right of A, and B is second to the right of F, who is to the immediate right of A. If G and C are sitting adjoining, C being second to the left of A, then what is the sitting position of E?

- A. Immediate left of F
C. Immediate right of A
- B. Immediate right of C
D. Immediate left of B

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



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

HEA, JGC, LIE, ?

47. Select the correct sequence of mathematical signs to sequentially replace the letters A, B, C, D and E so as to balance the given equation.

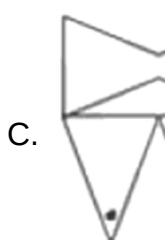
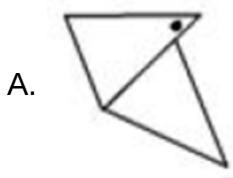
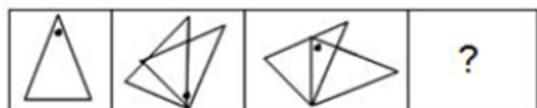
$$(38 \text{ A } 17) \text{ B } 9 \text{ C } 117 \text{ D } 13 \text{ E } 94 = 104$$

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

48. Which of the given options is the most suitable to fill in the blank?

16 : 128 : : 4 :

49. Select the figure that will replace the question mark (?) in the following figure series.

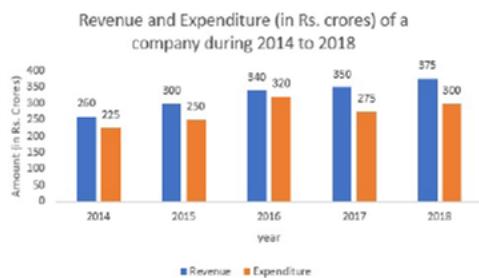


50. Which of the given options is the most suitable to fill in the blank?

Newspaper : Press :: Cloth : _____

- A. Shop
 - B. Fibre
 - C. Mill
 - D. Tailor

51. Direction: Study the following graph and answer the question that follows.



In which year is the percentage increase in the revenue, as compared to that in the preceding year, between 1% and 3%?

- C. 37.5% D. 45%

56. A person invested a sum of Rs. 6,500 at $x\%$ per annum at simple interest and a sum of Rs. 7,500 at $(X - 2)\%$ per annum at simple interest. If the total interest earned on both the investments for 3 years is Rs. 3,750, then the rate of interest in the first investment is:
A. 14% B. 10%
C. 8% D. 12%

57. What is the simplified value of $\left[\left(1 - \frac{2}{15}\right) + \frac{2}{5}\right] \div \frac{14}{15} + \left(\frac{2}{3} \text{ of } \frac{6}{7} \div \frac{4}{9} - \frac{1}{6} \times 1\frac{5}{7}\right)$?
A. $\frac{11}{15}$ B. $\frac{33}{14}$
C. $\frac{1}{2}$ D. $\frac{21}{2}$

58. The curved surface area of a right circular cone is $65\pi \text{ cm}^2$ and the radius of its base is 5 cm. What is half of the volume of the cone, in cm^2 ?
A. 50π B. 100π
C. 180π D. 45π

59. A girl spends 76% of her income. If her income increases by 18% and her expenditure increases by 25%, then what is the percentage increase or decrease in her savings (correct to one decimal place)?
A. 6.9%, decrease B. 4.2%, decrease
C. 5.7%, increase D. 8.4%, increase

60. A single discount equivalent to three simple discounts of 10%, 12% and 15% is :
A. 32.68% B. 34.17%
C. 37% D. 35.36%

61. A train can travel 40% faster than a car. Both the train and the car start from point A at the same time and reach point B, which is 70 km away from point A, at the same time. On the way, however, the train lost about 15 minutes while stopping at stations. The speed of the car in km/h is:
A. 120 B. 80
C. 90 D. 100

62. The average weight of 6 men is increases by 2.5 kg when a man with weight 55 kg is replaced by a new man. What is the weight (in kg) of a new man?
A. 70 B. 62. 5
C. 60 D. 75.5

63. The mean of 100 items is 47 . It was discovered that three items which should have been 60, 70, 80 were

wrongly read as 40, 20, 50, respectively. The correct mean is:

- | | |
|-------|-------|
| A. 48 | B. 47 |
| C. 50 | D. 51 |
64. Two numbers are, respectively, 17% and 50% more than a third number. The ratio of two numbers is:
- | | |
|------------|------------|
| A. 39 : 50 | B. 50 : 39 |
| C. 59 : 39 | D. 39 : 59 |
65. A, B and C can do a piece of work in 10, 15 and 30 days, respectively. If B and C both assist A on every third day, then in how many days can the work be completed?
- | | |
|-------------------|-------------------|
| A. $8\frac{1}{2}$ | B. 5 |
| C. 8 | D. $7\frac{1}{2}$ |
66. A certain sum (in Rs) is distributed among A, B and C in the ratio 5 : 6 : 7. If B gives the amount of Rs 400 from his share to C then the ratio of share of A, B and C becomes 2 : 3 : 4. What is the sum of the shares of A and C (in Rs) at the beginning.
- | | |
|----------|-----------|
| A. 7,200 | B. 14,000 |
| C. 8,400 | D. 11,200 |
67. The value of $5\frac{5}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{3}{2} - \frac{1}{5} - \frac{1}{3} \right) \right\} \right]$ is:
- | | |
|------|-------|
| A. 5 | B. 1 |
| C. 0 | D. 10 |
68. A fruit seller has a sale of Rs. 10,435, Rs. 9,927, Rs. 10,855, Rs. 10,230, and Rs. 9,562 for five consecutive months. How much sale (in Rs.) must he have in the sixth month so that he gets an average sale of Rs. 10,500?
- | | |
|----------|-----------|
| A. 9,231 | B. 8,231 |
| C. 8,991 | D. 11,991 |
69. If A and B can do a piece of work in 20 days, and A alone can do the same work in 30 days, then in how many days can B alone complete the same work?
- | | |
|-------|-------|
| A. 60 | B. 40 |
| C. 75 | D. 50 |
70. The income of A and B are in the ratio 3:4, and their expenditures are in the ratio 9:5. If the income of A is equal to three times the expenditure of B, then what is the ratio of the savings of A and B?
- | | |
|----------|----------|
| A. 5 : 2 | B. 3 : 5 |
|----------|----------|

C. 5 : 3

D. 2 : 5

71. A hall is 18 m long and 12 m broad. If the sum of the area of the floor and the ceiling is equal to the sum of the areas of the four walls, the volume (in m^2) of the hall is:

A. 1175.5

B. 1876.2

C. 1555.2

D. 1376.4

72. Let x be the least number divisible by 8, 12, 30, 36 and 45 and x is also perfect square. What is the value of x ?

A. 3600

B. 4900

C. 2500

D. 4225

73. A field is in the form of a circle. The cost of fencing around it at Rs. 11 per metre is Rs. 2,420 . What is the area (in m^2) of the field?

(Take $\pi = \frac{22}{7}$)

A. 3850

B. 4500

C. 4250

D. 2700

74. A person crosses a 900 metre long street in 6 minutes. The speed of the person in km/h is:

A. 9

B. 10

C. 15

D. 12

75. What is the difference (n Rs.) between the compound interest, when interest is compounded 6- monthly, and the simple interest on a sum of Rs. 10,000 for $1\frac{1}{2}$ years at 10% p.a.?

A. 102.25

B. 87

C. 76.25

D. 91.5

76. In which year was the South Asian Association for Regional Cooperation (SAARC) established?

A. 1987

B. 1985

C. 1980

D. 1983

77. Which of the following minerals has kieserite as its ore?

A. Silver

B. Magnesium

C. Potassium

D. Iron

78. Which of the following is a dwarf planet in our solar system?

A. Europa

B. Callisto

- C. Makemake D. Ganymede

79. With which of the following types of fuels is the device named 'tokamak' associated?
A. Hydel B. Tidal
C. Geothermal D. Atomic

80. Who was the Pro-tem speaker of the 16th Lok Sabha?
A. Meira Kumar B. M Thambidurai
C. Kamal Nath D. Manohar Parrikar

81. Which of the following wetlands is located in Kerala?
A. Nandur Madhameshwari B. Hokera Wetland
C. Sasthamkotta Lake D. Sandi Bird Sanctuary
E. None of the above

82. Priyadarshini Govind, who was conferred the 'Nritya Kalanidhi' title by The MusicAcademy in 2019, is a well-known _____ dancer.
A. Kathakali B. Bharatnatyam
C. Kuchipudi D. Kathak

83. On which of the following rivers is Pakistan constructing a dam named 'Diamer Basha' dam?
A. Indus B. Jhelum
C. Sutlej D. Chenab

84. With which of the following games is the Duckworth-Lewis-Stern method associated?
A. Football B. Hockey
C. Polo D. Cricket

85. Of the following battles fought by Akbar, which one was the latest as compared to the rest of the battles?
A. Battle of Tukaroi B. Battle of Haldighati
C. Battle of Thanesar D. Second Battle of Panipat

86. Of the following sites of Harappan Civilization, which one is NOT located in Pakistan?
A. Kot Diji B. Chanhudaro
C. Shortughai D. Balakot

87. Unsaturated carbon compounds burn with a:
A. Orange sooty flame B. White sooty flame
C. Red sooty flame D. Yellow sooty flame

88. In which of the following states is the festival called 'Yaoshang' traditionally celebrated?

A. Sikkim

B. Chhattisgarh

C. Jharkhand

D. Manipur

89. As on September 2021, who is the CEO of NITI Aayog?

A. Amitabh Kant

B. Urjit Patel

C. Shaktikanta Das

D. Dr. Rajiv Kumar

90. Which of the following is NOT a property of graphite?

A. It is a conductor of electricity.

B. It has a low melting point.

C. It has a lower density than diamond.

D. It is a conductor of heat

91. In which year was the first meeting of the National Integration Council held?

A. 1955

B. 1962

C. 1951

D. 1965

92. To which of the following incarnations of Vishnu is Dhanu Yatra of Odisha's Bargarh District dedicated?

A. Lord Rama

B. Lord Vamana

C. Lord Varaha

D. Lord Krishna

93. Who among the following was the founder of Prarthana Samaj?

A. MG Ranade

B. RC Bhandarkar

C. Atmaram Pandurang

D. Jyotiba Phule

94. _____ is a type of fraud where a small electronic device is used to steal debit/credit card information during an authorised banking transaction.

A. Phishing

B. Skimming

C. Smishing

D. Vishing

95. In which year was 'Project Elephant' launched by the Government of India as a Centrally Sponsored Scheme?

A. 1984

B. 1992

C. 1988

D. 1997

96. Who among the following is the author of the book titled 'Speaking Truth to Power: My Alternative View'?

A. Subramanian Swamy

B. Mani Shankar Aiyar

C. P Chidambaram

D. Arun Shourie

97. The 'Amrita Devi Bishnoi National Award ' is given for:

A. Environment protection

B. Energy protection

C. Wildlife protection

D. Biodiversity protection

Solutions

1. B

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

Glittering= to shine brightly with little flashes of light like a diamond

E.g.: The ceiling of the cathedral **glittered** with gold.

Shiny = smooth and bright

Dull = not bright or shiny

E.g.: The fire died down to a **dull** glow.

Attractive = pleasant to look at.

Stingy = (in context of hair) long and thin and looking as if it has not been washed.

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

2. C

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

• “Inform” is a verb and it means to tell someone about something especially in an official way.

For example:

The leaflet **informs** customers about healthy eating.

• “Information” is a noun and it means facts or details about someone/something.

For example:

What was your main source of **information** for your article?

• In the given sentence, we don't need a verb because “have” is not used as an auxiliary verb but it is a main verb (linking verb) that shows the possession of “information”. Only an adjective or a noun or a pronoun can be used after the linking verb. Thus, a noun “information” should be used in place of a verb “inform”.

• Hence, “**no information**” is the correct substitution.

Thus, the correct sentence will be: **I have no information about today's meeting with the managing director.**

3. A

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

Unusual= different from what is normal

E.g.: Police then took the **unusual** step of publishing the names and pictures of the two suspects.

Commonplace = done very often, or existing in many places and therefore not unusual

E.g.: This technology is now **commonplace** in schools.

Questionable = likely to be dishonest or morally wrong.

Fantastic = extremely good; excellent.

Rare = not done, seen, happening etc. very often.

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

4. B

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

- *Hadn't* = (question tag) used when auxiliary verb (of main clause) is in past tense.
- *Hasn't* = (question tag) used when singular auxiliary verb (of main clause) is in present tense.
- *Haven't* = (question tag) used when plural auxiliary verb (of main clause) is in present tense.
- *Didn't* = (question tag) used when auxiliary (of main clause) is absent in simple past tense.

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

- “*Hadn't*” as a negative question tag is used in past tense. Thus, option A is incorrect.
 - “*Haven't*” as negative question tag is used when plural auxiliary verb (of main clause) is used in present tense. But here, singular auxiliary verb (has) is present. Thus, option C is incorrect.
 - “*Didn't*” as a negative question tag is used in past tense. Thus, option D is incorrect.
 - “*Hasn't*” as negative question tag is used when singular auxiliary verb (of main clause) is used in present tense.
 - Question tags are written according to the subject and auxiliary of the main clause. If the main clause is in positive sense then a negative tag is used.
 - Here in the given sentence, main clause is set in present perfect tense with the singular subject “Health Minister” and singular auxiliary verb “has”.
- Thus, “*Hasn't*” becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **The Health Minister has been discharged from the hospital, hasn't he?**

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

5. C

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

“Suspension” is the correct spelling of the incorrect word “Suspention”. It means the act of officially removing someone from their job for a period of time usually as a punishment.

The meaning of other words are:

Composition: the different parts that something is made of.

Application: a formal request for something.

Identification: the process of showing, proving or recognizing who or what someone/something is.

6. D

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

- *Inappropriate* = not suitable or appropriate in a particular situation.
- *Influential* = having a lot of influence on someone/something
- *Invisible* = something that cannot be seen.
- *Incompetent* = not having the skill or ability to do your job or a task as it should be done.

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

- “*Inappropriate*” is used in context of “not suitable”. Thus, option A is incorrect.
- “*Influential*” is used in context of “a lot of influence on someone”. Thus, option B is incorrect.
- “*Invisible*” is used in context of “unable to see”. Thus, option C is incorrect.
- “*Incompetent*” is used in context of “not having ability or skill”.
- Here in the given sentence, it is used to mention that Pravesh’s teacher makes him feel that he does not have any ability or skill.

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

Thus, the correct sentence will be: **Pravesh’s teacher makes him feel as if he is incompetent.**

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

7. D

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

- Underlined part needs correction in structure of indirect speech.
- The given sentence is in indirect speech because it does not quote the actual words. Also, the sentence is of Interrogative type. After the reporting verb and conjunction, assertive sentence structure is used in indirect speech whereas interrogative structure is used in direct speech.

• **For example:**

Direct speech: The policeman said to Ramesh, “Why **are you not wearing the face mask properly in the public place?**”

Indirect speech: The policeman enquired Ramesh why **he was not wearing the face properly in the public place.**

- The underlined sentence is in indirect speech of interrogative sentence but we have erroneously used interrogative structure i.e. “Helping verb + Subject” (didn’t you) in the sentence that is being reported.
- In order to keep the assertive structure in indirect speech, we have to use “I didn’t”. Also, “I” is written in accordance with the object of the reporting verb i.e. “me”.
- Hence, “**I didn’t**” is the correct substitution.

Thus, the correct sentence will be: **Anurag asked me why I didn’t pay the driver.**

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

8. D

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

- The structures for active/passive voices for present perfect tense are:

Active Voice: Subject + has/have + Verb (V3 form) + Object

Passive Voice: Object + has/have + been + Verb (V3 form) + by + Subject

• **For example:**

Active Voice: The Director **has granted** her a scholarship.

Passive Voice: She **has been granted** a scholarship by the Director.

- In the given sentence, we have passive voice verb structure in present perfect tense.
- But we have erroneously used first form of verb “immunise”. Thus, third form of verb “immunised” should be used in place of first form of verb “immunise”.

Note: In passive voice, it is not mandatory to use the doer by using preposition “by” in the end. Sometimes it is implicit from the sentence.

- Thus, “**has been immunised**” is the correct substitution.

Thus, the correct sentence will be: **According to a recent survey, around 60% of children under the age of 5 years has been immunised.**

9. B

Sol. Pathologist: a doctor who studies pathology and examines dead bodies to find out the cause of death.

Cardiologist: a doctor who studies and treats heart diseases.

Neurologist: a doctor who studies and treats diseases of nerves.

Paediatrician: a doctor who studies and treats the diseases of children.

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

10. A

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

- Underlined part needs correction in Tense.
- Correct continuous form of verb structure in present tense is: is/am/are + -ing form of verb. It is used to show the progressive or continuous nature of action verb.

For example:

The kids **are playing** with a bat and ball in the park.

- Present continuous perfect tense has a verb structure: has/have + been + -ing form of verb. It denotes an action continuing from the past into the present. It implies the duration of an action from past to present.

For example:

He **has been suffering** from fever **for** two days.

- The given sentence is lacking in time expression like “for” that shows the duration of action from past to present. So, it is erroneous to use present perfect continuous tense.

- It is possible to make the sentence in continuous form to show the progressive action of “take care”. Thus, “are taking” can be used to correct the sentence.
- Hence, “**are taking**” is the correct substitution.

Thus, the correct sentence will be: **These days my parents are taking great care of my health and want me to eat nuts and seeds, which are rich in vitamins and minerals.**

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

11. D

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

- *Expectation* = a belief that something will happen because it is likely
- *Invitation* = a spoken or written request to someone to do something or to go somewhere.
- *Ambition* = something that you want to do or achieve very much.
- *Inspiration* = a person or a thing that makes you want to be better, more successful etc.

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

- “*Expectation*” is used in context of “belief likely to happen”. Thus, option A is incorrect.
- “*Invitation*” is used in context of “request to go somewhere”. Thus, option B is incorrect.
- “*Ambition*” is used in context of “a task desired to be achieved”. Thus, option C is incorrect.
- “*Inspiration*” is used in context of “something/someone that push you to do more”.
- Here in the given sentence, it is used to mention that the speaker receives a lot of inspiration i.e. “positive vibes in the form of encouragement” that helps him to do more.

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

Thus, the correct sentence will be: **I receive a lot of inspiration from my family members, who are very encouraging.**

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

12. D

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

- Modals take first form of verb after them in their verb structure i.e. Modal + first form of verb
- **For example:**

She **could not hide** her amusement at the way he was dancing.

- In the given sentence, we have erroneously used third form of verb after the modal verb “could”. Thus, first form of verb “complete” should be used in place of “completed”.
- Hence, “**could not complete**” is the correct substitution.

Thus, the correct sentence will be: **Though they worked day and night to build the highway before the deadline they could not complete it.**

13. A

Sol. Infallible: never wrong; never making mistakes.

Incapable: not able to do something.

Ineligible: not having necessary qualifications to have or to do something.

Untrustworthy: someone/something that you cannot rely on.

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

14. B

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

- Underlined part needs correction in conjunction and helping verb.
- “Even” as an adverb is used to emphasize something unexpected or surprising.

For example:

She **did not even** call to say she wasn’t coming.

- “While” as a conjunction is used to contrast two things.

For example:

While Karan is very good at science, his brother is absolutely hopeless.

- As per the Subject Verb agreement, verb should be in accordance with the subject. Singular verb should be used with singular subject. Plural verb should be used with plural subject.

For example:

The boy was drinking milk out of a bowl.

- The given sentence is setting the contrast between two clauses viz.
- “Cakes are Jaya’s favourite snack” and “samosas are Aparna’s preferred choice”. But we have erroneously used “even” to show the sense of unexpectedness, which is not at all required in the sentence. Also, an adverb cannot be used to join two clause, whereas a conjunction can. Thus, conjunction “while” should be used in place of an adverb “even”.

- Also, in the underlined sentence, we need a plural helping verb in accordance with plural subject “samosas”. Thus, helping verb “are” should be used in place of singular helping verb “is”.
- Hence, “**while samosas are**” is the correct substitution.

Thus, the correct sentence will be: **Cakes are Jaya's favourite snack, while samosas are Aparna's preferred choice.**

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

15. D

Sol. The idiom “**Drop in**” means able to be visited without arranging a fixed time first.

Example: There is a **drop-in** clinic every Tuesday offering advice on mental health.

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

16. D

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

- *Behind* = (preposition) at or towards the back of someone/something, and often hidden by it or them.
- *To* = (preposition) in the direction of something.
- *Between* = (preposition) being included or happening in two persons
- *With* = (preposition) used to show who has possession of or responsibility for something.

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

- “*Behind*” as a preposition is used in context of “back of someone” Thus, option A is incorrect.
- “*To*” as a preposition is used in context of “in direction of something”. Thus, option B is incorrect.
- “*Between*” as a preposition is used in context of “happening in two persons or things”. Thus, option C is incorrect.
- “*With*” is used in context of “responsibility or possession of something”.
- Here in the given sentence, it is used to show keeping of “job application” in “possession” of “office superintendent”, who happens to be a responsible person.

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

Thus the correct sentence will be: **The office superintendent asked me to leave my job application with him.**

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

17. B

Sol. The idiom “**a turning point**” means the time when an important change takes place, usually with the result that a situation improves.

Example: The promotion marked a **turning point** in his career.

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

18. A

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

Transparent= allowing you to see through it.

E.g.: The insect's wings are almost **transparent**.

Clear = easy to see or hear

E.g.: The water was so **clear** that we could see the bottom of the lake.

Shiny = smooth and bright.

Opaque = not clear enough to see through or allow light through.

Pretty = attractive without being very beautiful.

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

19. D

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

Pollution= the process of making air, water, soil etc. dirty.

E.g.: The summit ended with a joint pledge to limit **pollution**.

Aggravation = the fact of an illness or a bad situation being made worse.

Expansion = an act of increasing or making something increase in size, amount or importance.

Creation = the act or process of making something that is new, or of causing something to exist that did not exist before.

Contamination = the fact of making a substances or a place dirty or no longer pure by adding a substance that is dangerous or carries disease.

E.g.: Environmental **contamination** resulting from human activities is a major health concern.

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

20. B

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

“Identifiable” is the correct spelling of the incorrect word “Identifiable”. It means something that can be recognized.

The meaning of other words are:

Justifiable: existing or done for a good reason.

Legible: clear enough to read.

Eligible: able to have or do something because they have the right qualifications, age etc.

21. B

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Starting” is the continuous form of the verb. Thus, option A is wrong.

“Start” is the first form of verb (plural). Thus, option C is wrong.

“Starts” is the first form of verb (singular). Thus, option D is wrong.

“Started” is the third form of verb.

Here it is used, in the present perfect form: “have + third form of verb” i.e. “have + started”.

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

22. C

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Any” as a determiner is used with uncountable or plural nouns in negative sentences and questions. Thus, option A is wrong.

“A” as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before. Thus, option B is wrong.

“Some” as a determiner is used with uncountable nouns or plural countable nouns to mean “an amount of” or “a number of” when the amount is not given. Thus, option D is wrong.

“The” as a definite article is used before the nouns that are specific or has already been mentioned in the sentence.

Here in the given sentence, noun “non-Covid patients” (a part of noun phrase “... pressure of non-Covid patients”) was already introduced in the previous part. Thus, when it is introduced again we have to use definite article “the”.

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

23. A

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Has advise” is an erroneous form of the verb because third form of verb should be used after the helping verb “has”. Thus, option B is wrong.

“Advising” is the continuous form of verb. Thus, option C is wrong.

“Have advised” is a verb form that is used in present perfect for plural subject. But here, we need a verb form for singular subject. Thus, option D is wrong.

“Has advised” is a verb form that is used in present perfect for singular subject.

Here it is used for “Municipal Corporation” which is a singular subject.

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

24. C

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Guards” means a person who protects a place or people or prevents prisoners from escaping. Thus, option A is wrong.

“Patients” means a person who is receiving medical treatment especially in hospital. Thus, option B is wrong.

“Members” means a person, an animal or a plant that belongs to a particular group. Thus, option D is wrong.

“Staff” means all the workers employed in an organisation considered as a group.

In the given sentence, it is used for workers employed in the hospitals of Delhi. As per the advice shared by Municipal Corporation, some of these workers should be moved to other units.

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

25. C

Sol. The given passage is about “**A focal change in Delhi hospitals: Covid patients to non-Covid patients**”.

“Along with someone/something” means in addition to someone/something. Thus, option A is wrong.

“As well as” also means in addition to someone/something; too. Thus, option B is wrong.

“Similar to” means like someone/something but not exactly the same. Thus, option D is wrong.

“Such as” means “for example”.

Here it is used to mention the examples of diseases that require immediate attention like cancer, heart diseases, and kidney diseases.

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

26. D

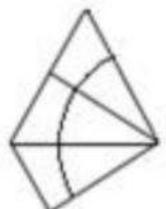
Sol. Blacksmith

Reaper is used by the Farmer to reap the crop similarly an anvil is used by the Blacksmith to hammer the metal.

Hence, option D is the correct answer.

27. D

Sol. The figure given below when placed in the blank place will complete the given figure.



Hence, option D is the correct answer.

28. A

Sol. $16 \times 2 = 32$

$$8 \times 6 = 48$$

$$6 \times 10 = 60$$

Here difference between the 2, 6, 10 is increasing by 4 so 5 is to be multiply (10+4) i.e. by 14

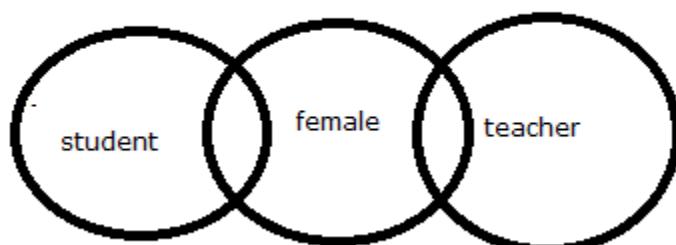
$$5 \times 14 = 70$$

Hence, option A is the correct answer.

29. B

Sol.

The relationship between teacher, female and student is shown below.

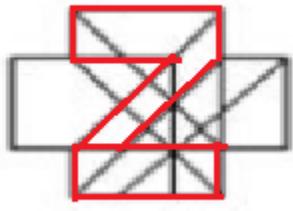


Hence, option B is the correct answer.

30. D

Sol.

The pattern which is embedded in the figure given below

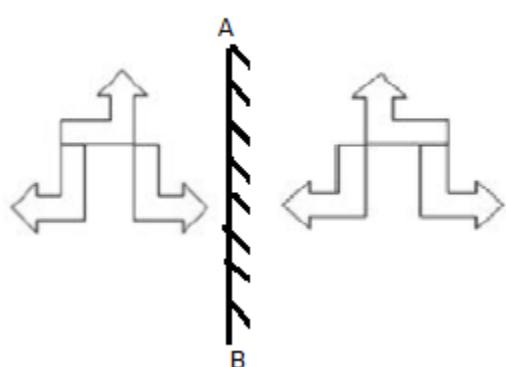


Hence, option D is the correct answer.

31. A

Sol.

The mirror image of the given figure is shown below.



Hence, option A is the correct answer.

32. D

Sol.

The solution is explained in the table given below.

M+4=Q	N+4=R
A+3=D	O+3=R
T+4=X	T+4=X
E+3=H	O+3=R
R+4=V	L+4=P
I+3=L	O+3=R
A+3=D	G+4=K
L+4=16	Y+3=C

Hence, option D is the correct answer.

33. B

Sol.

The arrangement of students as per the question is

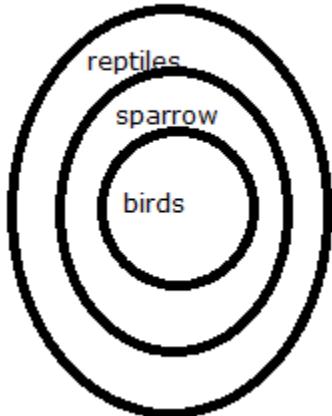
Harshita >Raghav >Raman >Ritesh >Ankur

Hence, option B is the correct answer.

34. D

Sol.

The pictorial representation of relationship is shown below.



Conclusions:

- I. Some Reptiles are Birds = true as all birds are sparrow and all sparrow are reptiles.
- II. All Reptiles are Sparrows = false but all sparrow are reptiles
- III. All Birds are Reptiles = true as all birds are sparrow and all sparrow are reptiles

Hence, option D is the correct answer.

35. B

Sol.

The logic here is first term- second term= 52 and third term – second term = 112

$$(192, 140, 252) = 192 - 140 = 52 \text{ and } 252 - 140 = 112$$

Similarly, inn (186, 134, 246)= 186-134=52 and 246-134=112

Hence, option B is the correct answer.

36. C

Sol.

The logic follow here is that odd places letter in the given word have same positional value but the even number has opposite positional value

S=19	N=14	S=19
H=19	O=12	E=22
E=5	M=13	I=9
L=15	I=18	Z=1
V=22	N=14	U=21
E=22	E=22	R=9
S=19	E=5	E=5

Hence, option C is the correct answer.

37. A

Sol.

The logic followed here is that write last two letter in reverse order then starting first two letter in reverse order then second last two letter in reverse order then starting third and fourth in reverse order and so on

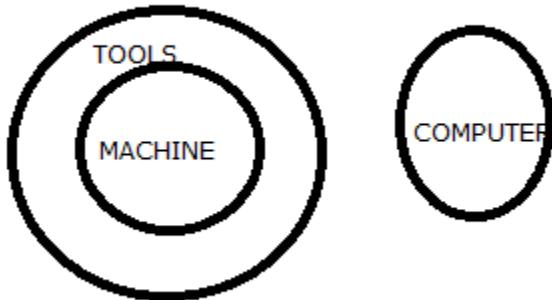
LEFTWING=GNELIWTF

Hence, option A is the correct answer.

38. A

Sol.

The pictorial representation as per the statement is given below



Conclusions:

- I. No Machine is a Computer = True as there is no relationship between them
- II. Some Computers are Tools = false as there is no relationship between them

Hence, option A is the correct answer.

39. C

Sol.

The logic followed here is –

$$6 \times 2 + 6 = 18$$

$$18 \times 2 - 7 = 29$$

$$29 \times 2 + 8 = 66$$

$$66 \times 2 - 9 = 123$$

$$123 \times 2 + 10 = 256$$

Hence, option C is the correct answer.

40. A

Sol.

The arrangement of lectures as per the day is given below

Monday	Linear algebra
Tuesday	Holiday
Wednesday	Big data analysis
Thursday	Cryptography
Friday	Fluid dynamics
Saturday	Differential equations
Sunday	Wavelet theory

So, there will be three lectures between Big data analysis and wavelet theory.

Hence, option A is the correct answer.

41. B

Sol.

Write letter in reverse order and increase positional value by three

PHONETIC in reverse order= CITENOHP

Similarly SHEEPDOG=GODPEEHS

C+3=F	G+3=J
I+3=L	O+3=R
T+3=W	D+3=G
E+3=H	P+3=S
N+3=Q	E+3=H
O+3=R	E+3=H
H+3=K	H+3=K
P+3=S	S+3=V

Hence, option B is the correct answer.

42. B

Sol.

The logic followed here is sum of opposite positional value of letter -2

OPULENT opposite is LKFOVMG

Sum of positional value in LKFOVMG= 86 and $86 - 2 = 84$ so, OPULENT =84

LEARNER opposite = OVZIMVI

Sum of positional value in OVZIMVI= 116 and $116-2=114$

Similarly opposite of PHYSICS= KSBHRXH

Sum of positional value in KSBHRXH=90 and $90-2=88$

So, PHYSICS be coded as 88

Hence, option B is the correct answer.

43. B

Sol.

This type of questions are solved by hit and trail method so replace 8 and 3

$$186 \div 17 + 104 - 12 \times 3 = 16$$

$$136 \div 17 + 104 - 12 \times 8 = 16$$

Apply BODMAS

$$8+104-96=16$$

$$112-96=16$$

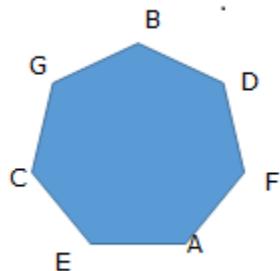
$$16=16$$

Hence, option B is the correct answer.

44. B

Sol.

The possible arrangement of persons as per the questions is given below

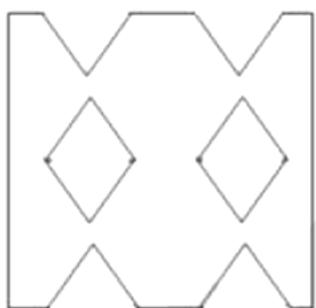


Hence, option B is the correct answer.

45. D

Sol.

When paper is folded and then cut as per the instruction given in the questions, pattern formed after unfolding the paper is given below



Hence, option D is the correct answer.

46. A

Sol. In this series each letter is increasing by 2 positional value in the next letter cluster.

H+2=J	J+2=L	L+2=N
E+2=G	G+2=I	I+2=K
A+2=C	C+2=E	E+2=G

Hence, option A is the correct answer.

47. C

Sol.

This type of questions are solved by hit and trail method,

$$(38 \times 17) + 9 - 117 - 13 - 94 = 104$$

Replace letter by $-$, \times , $+$, \div , $-$

$$(38 \times 17) + 9 - 117 - 13 - 94 = 104$$

$$(38-17) \times 9 + 117 \div 13 - 94 = 104$$

Apply BODMAS

$$189 + 9 - 94 = 104$$

$$104 = 104$$

Hence, option C is the correct answer.

48. C

Sol.

Logic here is that second term = (first term)² ÷2

$$\text{Forth term} = 4^2 \div 2 = 16 \div 2 = 8$$

Hence, option C is the correct answer.

49. D

Sol.

The figure that will replace the questions mark is given below



Hence, option D is the correct answer.

50. C

Sol.

Newspapers are printed in the press, similarly Clothes are prepared in Mill.

Hence, option C is the correct answer.

51. B

Sol. Percentage increase in revenue in year 2015

$$= \left(\frac{300 - 260}{260} \right) \times 100\% = \left(\frac{40}{260} \right) \times 100 \approx 15\%$$

Percentage increase in revenue in year 2016

$$= \left(\frac{340 - 300}{300} \right) \times 100\% = \left(\frac{40}{300} \right) \times 100 = 13.33\%$$

Percentage increase in revenue in year 2017

$$= \left(\frac{350 - 340}{340} \right) \times 100\% = \left(\frac{10}{340} \right) \times 100 = 2.94\%$$

Percentage increase in revenue in year 2018

$$= \left(\frac{375 - 350}{350} \right) \times 100\% = \left(\frac{25}{350} \right) \times 100 = 7.14\%$$

Hence, option B is the correct answer.

52. A

Sol. Average revenue in 2014, 2015, 2018 = $\left(\frac{260+300+375}{3} \right) = \frac{935}{3} \approx 312$

Expenditure in 2016 = 320

$$\text{Percentage} = \left(\frac{320 - 312}{312} \right) \times 100\% = \frac{800}{312}\% = 2.56\% \approx 3\%$$

Hence, option A is the correct answer.

53. A

Sol. Total revenue in 2016 and 2018 = $340 + 375 = 715$

Total expenditure in 2015 and 2017 = $250 + 275 = 525$

Required ratio = $715 : 525 = 143 : 105$

Hence, option A is the correct answer.

54. C

Sol. If the profit is 25% then selling price (SP) = 1.25CP

According to question,

$$30 \times \text{CP} = (x) \times \text{SP}$$

$$\Rightarrow 30 \times \text{CP} = (x) \times (1.25\text{CP})$$

$$\Rightarrow 1.25x = 30$$

$$\Rightarrow x = \frac{30}{1.25} = 24$$

Hence, option C is the correct answer.

55. B

Sol. Selling price of article one = $\left(\frac{100-10}{100} \right) \times 180 = 162$

Let sum of selling price of both articles = x

$$\text{Total cost price} = 180 + 180 + 180 = 540$$

Since overall profit is 25%

$$\text{Therefore, total Selling price} = \left(\frac{100+25}{100}\right) \times 540 = 675$$

$$\Rightarrow 162 + x = 675$$

$$\Rightarrow x = 675 - 162 = 513$$

$$\begin{aligned}\text{Gain percentage on two articles} &= \left(\frac{513-360}{360}\right) \times 100\% = \left(\frac{153}{360}\right) \times 100\% \\ &= 42.5\%\end{aligned}$$

Hence, option B is the correct answer.

56. B

Sol. Interest earned on first scheme in 3 years = $6500 \left(\frac{x}{100}\right) \times 3 = 195x$

$$\begin{aligned}\text{Interest earned on second scheme in 3 years} &= 7500 \left(\frac{x-2}{100}\right) \times 3 \\ &= 225(x - 2) = 225x - 450\end{aligned}$$

According to question

$$\text{Total interest} = 3750$$

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

$$\Rightarrow 420x = 4200$$

$$\Rightarrow x = 10$$

Hence, option B is the correct answer.

57. B

Sol.
$$\begin{aligned}&\left[\left(1 - \frac{2}{15}\right) + \frac{2}{5}\right] \div \frac{14}{15} + \left(\frac{2}{3} \text{ of } \frac{6}{7} \div \frac{4}{9} - \frac{1}{6} \times 1\frac{5}{7}\right) \\ &= \left[\left(\frac{15-2}{15}\right) + \frac{2}{5}\right] \div \frac{14}{15} + \left(\frac{4}{7} \div \frac{4}{9} - \frac{1}{6} \times \frac{12}{7}\right) \\ &= \left[\frac{13}{15} + \frac{2}{5}\right] \div \frac{14}{15} + \left(\frac{9}{7} - \frac{2}{7}\right) \\ &= \frac{19}{15} \times \frac{15}{14} + \frac{7}{7} \\ &= \frac{19}{14} + 1\end{aligned}$$

$$= \frac{33}{14}$$

Hence, option B is the correct answer.

58. A

Sol. Let the slant height of cone be x

$$\text{Curved surface area of cone} = \pi r l$$

$$\Rightarrow \pi \times 5 \times (x) = 65\pi$$

$$\Rightarrow 5x = 65$$

$$\Rightarrow x = 13 \text{ cm}$$

$$\text{So, height of the cone} = \sqrt{(l)^2 - (r)^2}$$

$$= \sqrt{(13)^2 - (5)^2} = 12 \text{ cm}$$

$$\text{Half of the volume} = \frac{1}{2} \times \frac{1}{3} \pi r^2 h = \frac{1}{2} \times \frac{1}{3} \pi 5^2 \times 12 = 50\pi$$

Hence, option A is the correct answer.

59. B

Sol. Let her income be 100, So, expenditure = 76 and savings = $100 - 76 = 24$

$$\text{New income} = \left(\frac{100+18}{100}\right) \times 100 = 118$$

$$\text{New expenditure} = \left(\frac{100+25}{100}\right) \times 76 = 95$$

$$\text{So, New savings} = 118 - 95 = 23$$

$$\text{Percentage change in savings} = \left(\frac{24-23}{24}\right) \times 100\% = 4.2\%$$

Hence, option B is the correct answer.

60. A

Sol. Effective rate after discount of 10, 12 and 15%

$$= 100 \times \left(\frac{100-10}{100}\right) \times \left(\frac{100-12}{100}\right) \times \left(\frac{100-15}{100}\right)$$

$$= 100 \times \left(\frac{90}{100}\right) \times \left(\frac{88}{100}\right) \times \left(\frac{85}{100}\right)$$

$$= \frac{6732}{100} = 67.32$$

So, discount = $100 - 67.32 = 32.68$

Hence, option A is the correct answer.

61. C

Sol. Let the speed of the car = x km/h and time taken = t hours

Then speed of train = $1.4x$ km/h and time taken = $t - \frac{15}{60}$ hours

Since, distance travel by both is 70 km

Therefore, $xt = 75$ ----(1)

$$\text{Also, } 1.4x \left(t - \frac{15}{60}\right) = 75$$

$$\Rightarrow 1.4xt - \frac{21}{60}x = 75$$

Putting the value of xt from eq. 1

$$\Rightarrow 1.4 \times 75 - \frac{7}{20}x = 75$$

$$\Rightarrow \frac{7}{20}x = 105 - 75$$

$$\Rightarrow \frac{7}{20}x = 30$$

$$\Rightarrow x \approx 90 \text{ km/h}$$

Hence, option C is the correct answer.

62. A

Sol. Total increase in weight = $6 \times 2.5 = 15$ kg

So new person weighs 15 kg more than the person he replaced

Therefore, weight of new person = $15 + 55 = 70$ kg

Hence, option A is the correct answer.

63. A

Sol. Change in reading 1 = $60 - 40 = 20$

Change in reading 2 = $70 - 20 = 50$

Change in reading 3 = $80 - 50 = 30$

Total change = $20 + 50 + 30 = 100$

So, change in average = total change/ number of items = $100/100 = 1$

Since change is positive, so new mean will be $1 + 47 = 48$

Hence, option A is the correct answer.

64. A

Sol. Let the third number be x .

Then, first number = $(x) + (x) \times 17\% = x + 0.17x = 1.17x$

And second number = $(x) + (x) \times 50\% = x + 0.50x = 1.50x$

Therefore, required ratio

$1.17x : 1.50x$

$39 : 50$

Hence, option A is the correct answer.

65. C

Sol. Let the total work be 1 units.

Work done on each day 1 and day 2 = $\frac{1}{10}$

Work done on day 3 = $\frac{1}{10} + \frac{1}{15} + \frac{1}{30} = \frac{3+2+1}{30} = \frac{6}{30} = \frac{2}{10}$

So, work done till day 8 = $\frac{1}{10} + \frac{1}{10} + \frac{2}{10} + \frac{1}{10} + \frac{1}{10} + \frac{2}{10} + \frac{1}{10} + \frac{1}{10} = \frac{10}{10} = 1$

Therefore, they will complete the work in 8 days.

Hence, option C is the correct answer.

66. D

Sol. Initial ratio = $5 : 6 : 7 = 5x : 6x : 7x$

According to the question:

$$(6x - 400)/(7x + 400) = \frac{3}{4}$$

$$24x - 1600 = 21x + 1200$$

$$3x = 2800$$

$$X = 2800/3$$

$$\therefore \text{Required sum} = 5x + 7x = 12x = 12(2800/3) = 11200$$

Hence, option D is the correct answer.

67. C

$$\begin{aligned}\text{Sol. } & 5\frac{5}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{3}{2} - \frac{1}{5} - \frac{1}{3} \right) \right\} \right] \\ &= \frac{145+5}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{45-6-10}{30} \right) \right\} \right] \\ &= \frac{150}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{29}{30} \right) \right\} \right] \\ &= \frac{150}{29} - \left[\frac{15}{4} \div \frac{29}{40} \right] \\ &= \frac{150}{29} - \frac{150}{29} = 0\end{aligned}$$

Hence, option C is the correct answer.

68. D

Sol. Let, sale of 6th month = x

Total sales of 6 months = average × no. of months

$$\Rightarrow \text{Total sales} = 10500 \times 6 = 63000$$

$$\Rightarrow 10435 + 9927 + 10855 + 10230 + 9562 + x = 63000$$

$$\Rightarrow x = 63000 - 51009 = 11991$$

Hence, option D is the correct answer.

69. A

Sol. Let B can do the same piece of work in x days

According to the question,

$$\frac{1}{30} + \frac{1}{x} = \frac{1}{20}$$

$$\Rightarrow \frac{1}{x} = \frac{1}{20} - \frac{1}{30}$$

$$\Rightarrow \frac{1}{x} = \frac{3-2}{60} = \frac{1}{60}$$

$$\Rightarrow x = 60 \text{ days}$$

Hence, option A is the correct answer.

70. D

Sol. Let income of A be $3x$ then income of B = $4x$

Also, expenditure of A be $9y$ then expenditure of B = $5y$

According to question,

$$3x = 3 \times 5y \Rightarrow x = 5y$$

$$\text{So, savings of A} = (3 \times 5y) - 9y = 6y$$

$$\text{Also savings of B} = (4 \times 5y) - 5y = 15y$$

$$\text{Ratio} = 6y : 15y = 2 : 5$$

Hence, option D is the correct answer.

71. C

Sol. Let the height of hall be h

According to question,

$$2 \times 18 \times 12 = 2 \times (18h + 12h)$$

$$\Rightarrow 30h = 216$$

$$\Rightarrow h = 7.2\text{m}$$

$$\text{Volume of the hall} = 18 \times 12 \times 7.2 = 1555.2 \text{ m}^3$$

Hence, option C is the correct answer.

72. A

Sol. LCM of 8, 12, 30, 36 and 45 = $8 \times 9 \times 5 = 2^3 \times 3^2 \times 5$

Since it is perfect square so factors should have even power

$$\text{Therefore, number will be } 2^3 \times 3^2 \times 5 \times 2 \times 5 = 3600$$

Hence, option A is the correct answer.

73. A

Sol. Let the radius of circle be r metre

According to question,

Cost of fencing = 2420

$$\Rightarrow 2\pi r \times 11 = 2420$$

$$\Rightarrow 2 \times \frac{22}{7} \times r = 220$$

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

$$\text{Area of the field} = \pi r^2 = \frac{22}{7} \times 35 \times 35 = 3850 \text{ m}^2$$

Hence, option A is the correct answer.

74. A

Sol. Given:

$$\text{Distance} = 900 \text{ m} = 0.9 \text{ km}$$

$$\text{Time} = 6 \text{ minutes} = \frac{6}{60} \text{ hour} = 0.1 \text{ hour}$$

$$\text{Speed} = \frac{\text{Distance}}{\text{time}} = \frac{0.9}{0.1} = 9 \text{ km/h}$$

Hence, option A is the correct answer.

75. C

Sol. Simple interest for 1.5 years = 15% of 10000 = $10000 \times \left(\frac{15}{100}\right) = 1500$

Amount after 1.5 years when interest is compounded 6 monthly

$$= 10000 \times \left(1 + \frac{5}{100}\right)^3 = 10000 \times \left(\frac{105}{100}\right)^3$$

$$= 10000 \times \left(\frac{21}{20}\right)^3 = 11576.25$$

$$\text{So, interest} = 11576.25 - 10000 = 1576.25$$

$$\text{Difference} = 1576.25 - 1500 = 76.25$$

Hence, option C is the correct answer.

76. B

- Sol. • **The South Asian Association for Regional Cooperation (SAARC) was established in 1985.**
- It is the **regional intergovernmental organization and geopolitical union of states in South Asia.**
 - It comprises **3% of the world's area** and **21% of the world's population.**
 - Its member states are **Afghanistan, Bangladesh, Bhutan, India, the Maldives, Nepal, Pakistan and Sri Lanka.**
 - It was **founded in Dhaka on 8 December 1985** and Its **secretariat** is based in **Kathmandu, Nepal.**
 - It promotes the **welfare of the peoples of South Asia, the development of economic and regional integration.**

77. B

- Sol. • **Magnesium has kieserite as its ore.**
- Kieserite is a **magnesium sulfate mineral** and It is **named after Dietrich Georg von Kieser.**
 - Its **hardness is 3.5** and **crystallizes in the monoclinic crystal system.**
 - It has a **vitreous luster** and it is **colourless, greyish-white or yellowish.**
 - It occurs **in marine evaporites** and **rarely in volcanic environments as a sublimate.**
 - **Magnesium** is a **mineral that is important for normal bone structure in the body.**
 - It is the **third most abundant element dissolved in seawater.**

78. C

- Sol. • **Makemake is a dwarf planet in our solar system.**
- It was **discovered on March 31, 2005**, by a team led by Michael E. Brown.
 - **Europa** is the **smallest of the four Galilean moons orbiting Jupiter.**

- It is also the **sixth-largest moon in the Solar System** and It was **discovered in 1610** by **Galileo Galilei**.
- **Callisto** is the **second-largest moon of Jupiter** and the **third-largest moon in the Solar System**.
- It has a **very thin atmosphere, composed primarily of oxygen**.
- **Ganymede** is the **largest and most massive of the Solar System's moons**.

79. D

- Sol.
- **The device named 'tokamak' is associated with Atomic fuel.**
 - **The tokamak is a device that uses a powerful magnetic field to confine plasma in the shape of a torus.**
 - **The first tokamak, called T-1, went into operation in Russia in 1958.**
 - **It is now being seen as the most promising magnetic fusion machine in the world.**
 - **It can sustain plasma currents with electric currents equal to the most powerful bolts of lightning.**
 - **Atomic energy is energy carried by atoms** and It is the **source of nuclear power**.

80. C

- Sol.
- **Kamal Nath was the Pro-tem speaker of the 16th Lok Sabha.**
 - He is **one of the longest-serving and most senior members of the Lok Sabha.**
 - He was **appointed as the ProTem Speaker of the 16th Lok Sabha.**
 - **Meira Kumar** served as the **15th Speaker of Lok Sabha from 2009 to 2014.**
 - She was elected as the **first-ever woman speaker of Lok Sabha.**
 - **Manohar Parrikar** served as **Chief Minister of Goa from 14 March 2017 until his death.**
 - He was **posthumously awarded Padma Bhushan in January 2020.**

81. C

- Sol.
- **Sasthamkotta Lake is located in Kerala.**

- It is the **largest freshwater lake in Kerala** and it is **named after the ancient Sastha temple located on its bank**.
- It is a **designated wetland of international importance under the Ramsar Convention since November 2002**.
- **Sandi Bird Sanctuary** is a **freshwater marsh in the Hardoi district of Uttar Pradesh**.
- **Hokera Wetland** is also known as the **Queen Wetland of Kashmir**.
- **Nandur Madhameshwar** is **designated as Ramsar Site** and it's **Maharashtra's first Ramsar site**.

82. C

- Sol.
- **Priyadarshini Govind**, who was conferred the '**Nritya Kalanidhi**' title by **The Music Academy in 2019**, is a well-known **Kuchipudi** dancer.
 - She is **one of the foremost Bharatanatyam** dancers among the current generation.
 - **Kuchipudi** is the **classical dance form from the South-East Indian state of Andhra Pradesh**.
 - It is known **for its impressive, quick footwork, dramatic characterization, expressive eye movements and spirited narrative**.
 - **Kathakali** is a performing art in the Malayalam-speaking southwestern region of **Kerala**.
 - **Bharatanatyam** is the **oldest Indian classical dance form in South India**.

83. A

- Sol.
- **Pakistan constructed a dam named 'Diamer Basha' dam on the Indus river**.
 - **Diamer-Bhasha Dam** is a **concrete-filled gravity dam**.
 - Its **foundation stone** was **laid by the then Prime Minister of Pakistan in 1998**.
 - **Indus** is a **transboundary river of Asia and a trans-Himalayan river of South and Central Asia**.
 - **Sutlej** is the **eastermost tributary of the Indus River** and It is also known as **Satadree**.

- Chenab River is a major river that flows in India and Pakistan.

84. D

- Sol.
- The Duckworth-Lewis-Stern method is associated with Cricket.
 - It is a mathematical formulation designed to calculate the target score for the team batting second in a limited-overs cricket match interrupted by weather or other circumstances.
 - It was devised by two English statisticians, Frank Duckworth and Tony Lewis.
 - It was introduced in 1997 and adopted officially by the ICC in 1999.
 - It is an attempt to set a statistically fair target for the second team's innings, which is the same difficulty as the original target.
 - It was first used in international cricket on 1 January 1997.

85. B

- Sol.
- The Battle of Haldighati was the latest as compared to the rest of the battles fought by Akbar.
 - It was a battle fought on 18 June 1576 between the armies of Maharana Pratap and the Mughal emperor Akbar's forces.
 - The battle of Tukaroi was fought between the Mughal Empire and the Bengal Sultanate on 3 March 1575.
 - Battle of Thanesar was fought on the eve of the Solar eclipse holy bath fair on 9 April 1567.
 - It is also known as the Battle of the Ascetics.
 - The Second Battle of Panipat was fought on 5 November 1556 between Hemu and Akbar.

86. B

- Sol.
- Chanhudaro site of Harappan Civilization is NOT located in Pakistan.
 - It is an archaeological site belonging to the Indus Valley Civilization.

- It was inhabited between 4000 to 1700 BCE and is considered to have been a centre for manufacturing carnelian beads.
- Shortughai is considered to be the northernmost settlement of the Indus Valley Civilization.
- Balakot is located on the right bank of the Kunhar River.
- Kot Diji was an ancient archaeological place in Sindh, Pakistan and It was the forerunner of the Indus Valley Civilization.

87. D

- Sol.
- Unsaturated carbon compounds burn with a Yellow sooty flame.
 - They are hydrocarbons that have double or triple covalent bonds between adjacent carbon atoms.
 - They are mostly reactive and undergo multiple reactions to their multiple bonds except for aromatic compounds.
 - They do not burn completely and give a flame with unburnt or partially burnt carbon particles.
 - The yellow flame is caused by the glow of hot unburnt carbon particles produced due to the incomplete combustion of an unsaturated hydrocarbon.

88. D

- Sol.
- The festival called 'Yaoshang' is traditionally celebrated in Manipur.
 - It is a festival celebrated for five days in spring, starting on the full moon day of the month of Lamda.
 - It is considered the most important festival in Manipur and It is an indigenous tradition of the Meitei people.
 - It represents the celebration of love amongst children, adults and people of all ages.
 - It is celebrated with singing, dancing and many other traditional performances.

89. A

- Sol. • Amitabh Kant is the CEO of NITI Aayog as of September 2021.
• He is the second and current chief executive officer of NITI Aayog.
• Urjit Patel served as the 24th Governor of the Reserve Bank of India and also Deputy Governor of the Reserve Bank of India.
• He was the first RBI governor to state personal reasons as a driving factor for resigning.
• Shaktikanta Das is currently serving as the 25th governor of the Reserve Bank of India.
• Dr Rajiv Kumar is currently the vice-chairman of the NITI Aayog.

90. B

- Sol. • It has a low melting point is not a property of graphite.
• Graphite is the most stable form of carbon under standard conditions.
• It is a distinct material, displaying the properties of both metals and nonmetals.
• It is a good conductor of heat & electricity and It is used in pencils and lubricants.
• It is a native element mineral found in metamorphic and igneous rocks.
• It is useful in electronic products such as electrodes, batteries, and solar panels.

91. C

- Sol. • The first meeting of the National Integration Council was held in 1951.
• National Integration Council is a group of senior politicians and public figures in India.
• It looks for ways to address the problems of communalism, casteism and regionalism.
• It originated in a conference convened by Prime Minister Jawaharlal Nehru in September–October 1961.
• It was constituted to combat the evils of communalism, casteism, regionalism and linguism.

92. D

- Sol. • Dhanu Yatra of Odisha's Bargarh District is dedicated to Lord Krishna's incarnations

of Vishnu.

- It is an **annual drama-based open-air theatrical performance**.
- It is the **world's largest open-air theatre, one that finds a mention in the Guinness Book of World Records**.
- **Lord Krishna** is **one of the most popular and widely revered among Indian divinities**.
- It is the **god of protection, compassion, tenderness and love**.
- **Lord Rama** is the **seventh avatar of the Hindu god Vishnu**.

93. C

- Sol.
- **Atmaram Pandurang was the founder of Prarthana Samaj**.
 - **Prarthana Samaj** was a **movement for religious and social reform in Bombay, India**.
 - Its main aim is **to make people believe in one God and worship only one God**.
 - **MG Ranade** was **one of the founding members of the Indian National Congress party**.
 - **Jyotiba Phule** is regarded as an **important figure in the social reform movement in Maharashtra**.
 - He is best known for his work in educating women and people from lower castes.

94. A

- Sol.
- **Phishing** is a type of fraud where a small electronic device is used to steal debit/credit card information during an authorized banking transaction.
 - It is by far the most common attack performed by cybercriminals as of 2020.
 - **Skimming** is a strategic, selective reading method in which you focus on the main ideas of a text.
 - There are three types of skimming:
 - Preview**
 - Overview**
 - Review**
 - **Smishing** is a form of phishing that uses mobile phones as an attack platform.

- **Vishing** is a cybercrime that uses the phone to steal personal confidential information from victims.

95. B

- Sol. • The 'Project Elephant' was launched by the Government of India as a Centrally Sponsored Scheme in 1992.
• It was launched by the Government of India Ministry of Environment and Forests.
• It provides financial and technical support to wildlife management efforts by states for their free-ranging populations of wild Asian Elephants.
• It aims to ensure the long-term survival of the population of elephants in their natural habitats by protecting them, their habitats and migration corridors.
• It also seeks to address the issues of human-elephant conflict and the welfare of domesticated elephants.

96. C

- Sol. • P Chidambaram is the author of the book titled 'Speaking Truth to Power: My Alternative View'.
• He was best known for his service in a variety of ministerial posts in Congress-led governments.
• Speaking Truth to Power: My Alternative Viewbook is an economic report card of the Modi Government.
• It is a collection of short essays that were published in the weekly columns of The Indian Express in 2017.
• Subramanian Swamy currently serves as Chairman of the Board of Governors of the SCMS Group of Institutions.

97. C

- Sol. • The 'Amrita Devi Bishnoi National Award' is given for Wildlife protection.
• The first Amrita Devi Bishnoi National Award for Wildlife Conservation was conferred on September 11, 2001.

- It has been designed in remembrance of the contribution of Amrita Devi and her other conservative representatives for the conservation of the Khejri tree from being cut.
- It is given for significant and lead contribution in the field of wildlife protection.
- It is recognized as having shown exemplary courage or having done extraordinary work for the protection of wildlife.
- **Wildlife conservation** is the practice of protecting plant and animal species and their habitats.

98. A

Sol. • The Union Sports Ministry has decided to set up Khelo India State Centres of Excellence (KISCE) in eight states in the first leg of the Khelo India Scheme and Andhra Pradesh is NOT one of these eight states.

- The names of those eight states are Nagaland, Karnataka, Arunachal Pradesh, Kerala, Manipur, Mizoram, Odisha and Telangana.
- The Ministry of Youth and Sports Affairs, Central government will establish Khelo India State Centre of Excellence under Khelo India Scheme.
- The Khelo India scheme is the flagship Central Sector Scheme of the Sports ministry.
- It aims at infusing sports culture and achieving sporting excellence in the country.

99. B

Sol. • Ken Shimura, the renowned comedian who died in March 2020, was a national of Japan.
• He was the first prominent entertainment world figure in Japan to test positive for the virus.
• He attracted fans of all generations with his slapstick comedy and funny faces.
• He was known as a fan of the late American comedian Jerry Lewis and had drawn inspiration from him.
• Japan is an island country in East Asia and it is situated in the northwest Pacific Ocean.

- It is the **eleventh most populous country in the world** and one of the **most densely populated & urbanized**.

100. A

- Sol.
- **NPCI** is primarily an umbrella organization for operating retail payments and settlement systems in India.
 - It is under the jurisdiction of the Ministry of Finance, Government of India.
 - It was created by the RBI for operating retail payments and settlement systems in India.
 - **NABARD** is an apex regulatory body for the overall regulation of regional rural banks and apex cooperative banks in India.
 - **SIDBI** is the apex regulatory body for the overall licensing and regulation of micro, small and medium enterprise finance companies in India.
 - **IRDAI** is tasked with regulating and licensing the insurance and reinsurance industries in India.

Mock Test Solutions in Hindi

Questions

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

GLITTERING

- A. Shiny
 - B. Dull
 - C. Attractive
 - D. Stingy

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

I have no inform about today's meeting with the managing director.

- A. about today's meeting
 - B. I have
 - C. no inform
 - D. with the

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

UNUSUAL

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

The Health Minister has been discharged from the hospital, _____ he?

- 5. Select the INCORRECTLY spelt word.**

- | | |
|----------------|-------------------|
| A. Composition | B. Application |
| C. Suspension | D. Identification |

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

Pravesh's teacher makes him feel as if he is _____.

- A. inappropriate
 - B. influential
 - C. invisible
 - D. incompetent

7. 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'.

Anurag asked me why didn't you pay the driver.

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

According to a recent survey, around 60% of children under the age of 5 years has been immunise.

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

One who treats and prevents diseases of the heart

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.'

These days my parents are been taking great care of my health and want me to eat nuts and seeds, which are rich in vitamins and minerals.

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

I receive a lot of _____ from my family members, who are very encouraging.

- | | |
|----------------|----------------|
| A. expectation | B. invitation |
| C. ambition | D. inspiration |

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

Though they worked day and night to build the highway before the deadline they could not completed it.

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

Never wrong or making a mistake

- A. Infallible
- B. Incapable
- C. Ineligible
- D. Untrustworthy

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

Cakes are Jaya's favourite snack, even samosas is Aparna's preferred choice.

- A. but samosas be
- B. while samosas are
- C. No substitution required
- D. either samosa are

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

Drop in

- A. Reduce in numbers
- B. Have very little effect
- C. Go back on a promise
- D. Pay a casual visit

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

The office superintendent asked me to leave my job application _____ him.

- A. behind
- B. to
- C. between
- D. with

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

A turning point

- A. The time when people decide to give up plans
- B. The time at which an important change starts
- C. A change of destiny that is surprising
- D. A decision to turn things around

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

TRANSPARENT

- A. Clear
- B. Shiny
- C. Opaque
- D. Pretty

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

POLLUTION

- A. Aggravation
- B. Expansion

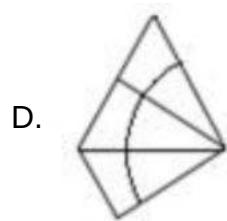
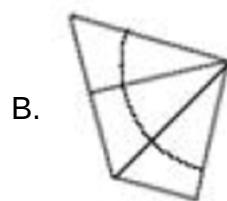
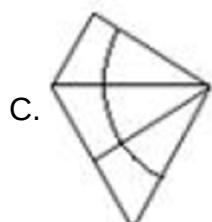
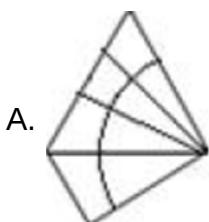
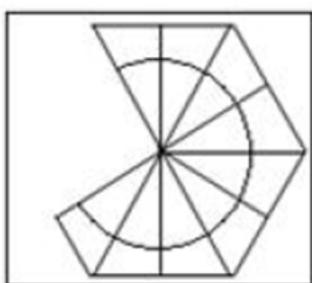
With Covid-19 cases going down in Delhi many hospitals have (1) _____ shifting their focus to other facilities for the treatment of non-Covid patients. At a time when (2) _____ pressure of non-Covid patients continues to increase, the Municipal Corporation (3) _____ hospitals to retain back-up health workers for 100 beds and move the remaining (4) _____ to other units. This move is expected to bring relief to many patients suffering from other diseases (5) _____ cancer, heart or kidney disease, which need urgent services.

Select the most appropriate option to fill in blank number 1.

रीपर : किसान :: एन्विल :

- A. बढ़ई B. घड़ी साज़ (वॉचमेकर)
C. लाल D. लोला

C. श्रम D. लाहर
उस विकला आकृति की प्रत्यापन करें जो प्राप्ति आकृति के ऐराफ़ को प्राप्त करती है।

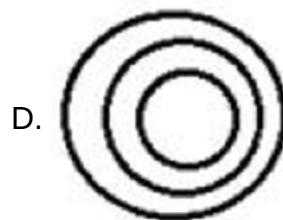
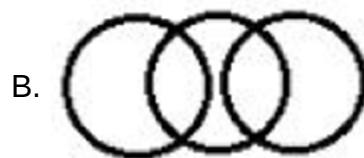


28. निम्नलिखित संख्या श्रृंखला में कौन सी संख्या प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगी?

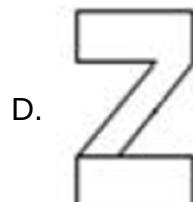
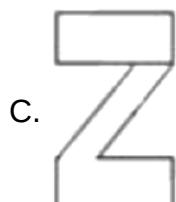
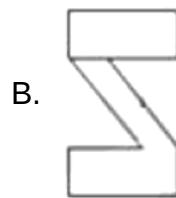
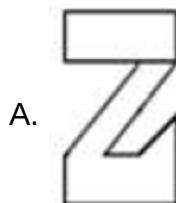
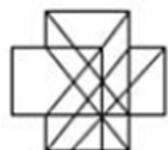
16, 32, 8, 48, 6, 60, 5, ?

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

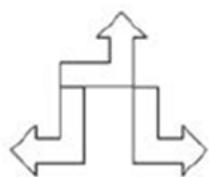
छात्र, महिलाएं, शिक्षक

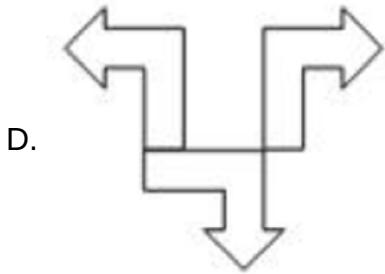
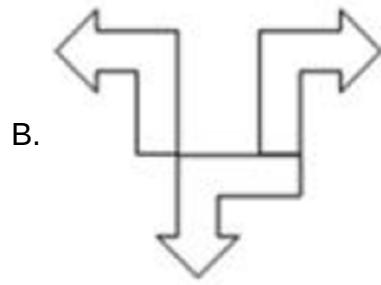
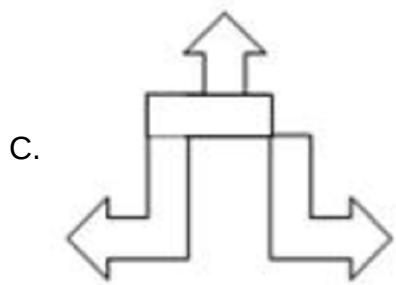
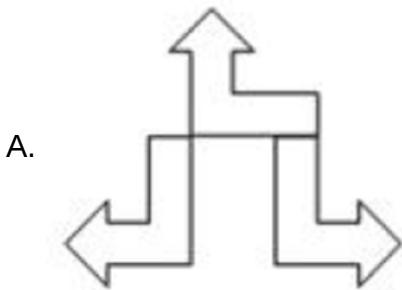


30. उस विकल्प आकृति की पहचान करें जो दी गई आकृति में अंतर्निहित है (रोटेशन की अनुमति नहीं है)।



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





कथनः

सभी बर्ड, स्पैरो हैं।

सभी स्पैरो, रेपटाइल हैं।

विष्णु-

I. कुछ रेपटाइल, बर्ड हैं।

II. सभी रेपटाइल, स्पैरो हैं।

III. सभी बर्ड, रेपटाइल हैं।

A. दोनों निष्कर्ष || और III. अनुसरण करते हैं।

C. न तो निष्कर्ष I, न ही II, और III. अनुसरण करते हैं।

B. दोनों निष्कर्ष | और || अनुसरण करते हैं।

D. दोनों निष्कर्ष | और || अनुसरण करते हैं।

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

(192, 140, 252)

A. (165, 118, 221)

B. (186, 134, 246)

C. (165, 140, 192)

D. (221, 192, 252)

36. यदि एक कूटबद्ध प्रणाली में, SHELVES को 1919515222219 के रूप में कूटबद्ध किया जाता है, तथा NOMINEE को 1412131814225 के रूप में कूटबद्ध किया जाता है, तो उसी कूटबद्ध प्रणाली में SEIZURE को किस प्रकार लिखा जाएगा?

A. 8518266185

B. 19229262185

C. 1922912195

D. 8221816922

37. एक निश्चित कूट भाषा में, यदि EXTRNSIC को CIXESNRT के रूप में लिखा जाता है, तो उसी कूट भाषा में LEFTWING को किस प्रकार लिखा जाएगा?

A. GNELIWTF

B. ELGNTFIW

C. GNIWTFEL

D. TFEGLNIW

38. दो कथन दिए गए हैं, जिसके बाद दो निष्कर्ष संख्या I और II 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:

सभी मशीन, ट्रूल हैं।

कोई ट्रूल, कम्प्यूटर नहीं है।

निष्कर्ष:

I. कोई मशीन, कम्प्यूटर नहीं है।

II. कुछ कम्प्यूटर, दूल हैं।

- A. केवल निष्कर्ष। अनुसरण करता है।
B. दोनों निष्कर्ष। और II अनुसरण करते हैं।
C. न तो निष्कर्ष। न ही II अनुसरण करता है।
D. केवल निष्कर्ष II अनुसरण करता है।

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

256, 123, 66, ?, 18, 6

- A. 32
B. 27
C. 29
D. 33

40. एक अंतर्राष्ट्रीय आभासी सम्मेलन के समन्वयक ने विभिन्न क्षेत्रों पर छह अतिथि व्याख्यान अर्थात् किरप्टोग्राफी, फ्लूइड डायनेमिक्स, बिग डेटा एनालिसिस, वेवलेट थ्योरी, डिफरेंशियल इक्वेशन और लीनियर अलजेब्रा की योजना बनाई है- सोमवार से रविवार तक प्रत्येक दिन केवल एक ही व्याख्यान आयोजित किया जाएगा।

वेवलेट थ्योरी को डिफरेंशियल इक्वेशन के ठीक बाद व्यवस्थित किया जाना चाहिए।

बिग डेटा एनालिसिस बुधवार को आयोजित किया जाना चाहिए और इसके बाद लीनियर अलजेब्रा नहीं होना चाहिए। फ्लूइड डायनेमिक्स का आयोजन शुक्रवार को आयोजित किया जाना चाहिए और किरप्टोग्राफी और लीनियर अलजेब्रा के बीच दो दिनों का अंतर होना चाहिए।

एक दिन कोई व्याख्यान नहीं होगा (शनिवार वह दिन नहीं है), और उस दिन से ठीक पहले लीनियर अलजेब्रा का आयोजन किया जाएगा। बिग डेटा एनालिसिस और वेवलेट थ्योरी के बीच कितने व्याख्यान आयोजित किए जाते हैं?

- A. तीन
B. एक
C. चार
D. दो

41. 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।

PHONETIC : FLWHQRKS :: SHEEPDOG : ?

- A. JRVKGSHH
B. JRGSHHKV
C. VKRJHHSG
D. VKHHSGRJ

42. यदि एक कूटबद्ध प्रणाली में OPULENT को 84 और LEARNER को 114 के रूप में कूटबद्ध किया जाता है, तो उसी कूटबद्ध प्रणाली में PHYSICS को किस प्रकार कूटबद्ध किया जाएगा?

- A. 97
B. 88
C. 99
D. 90

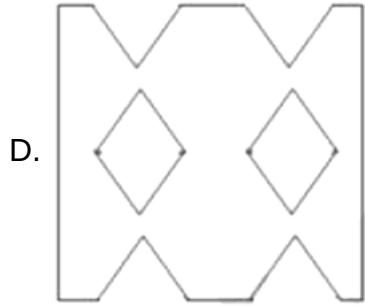
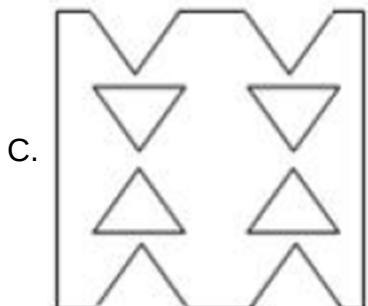
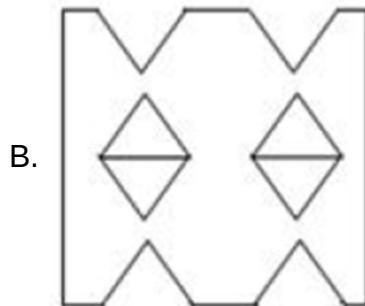
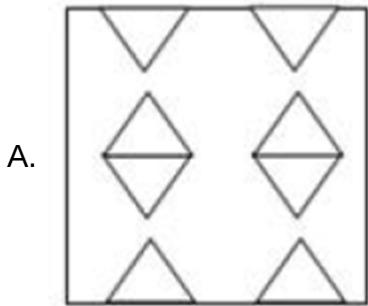
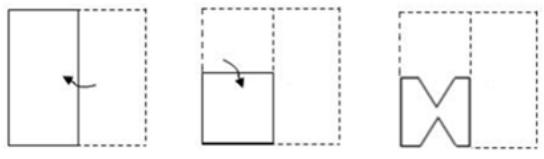
43. दिए गए समीकरण को संतुलित करने के लिए किन दो अंकों को आपस में बदला जा सकता है?

$$186 \div 17 + 104 - 12 \times 3 = 16$$

44. सात व्यक्ति एक चतुर्भुज मेज की चारों ओर बूजाओं पर केंद्र की ओर मुख करके बैठे हैं। D, A की दाईं ओर से दूसरे स्थान पर है, तथा B, F की दाईं ओर से दूसरे स्थान पर है, जो A की ठीक दाईं ओर है। यदि G और C आसन्न बैठे हैं, तो C, A की बाईं ओर से दूसरे स्थान पर है, तो E की बैठक व्यवस्था क्या है?

- A. F की ठीक बाई ओर
B. C की ठीक दाई ओर
C. A की ठीक दाई ओर
D. B की ठीक बाई ओर

45. एक कागज को मोड़ा और काटा जाता है जैसा कि नीचे दिखाया गया है। कागज खोले जाने पर कैसा दिखाई देगा?



46. निम्नलिखित शरूंखला में कौन सा अक्षर समूह प्रश्नवाचक चिन्ह (?) को प्रतिस्थापित करेगा?

HEA, JGC, LIE, ?

- | | |
|--------|--------|
| A. NKG | B. PLI |
| C. EBX | D. DAW |

47. दिए गए समीकरण को संतुलित करने के लिए A, B, C, D और E अक्षरों को क्रमिक रूप से प्रतिस्थापित करने हेतु गणितीय प्रतीकों के सही क्रम का चयन करें।

(38 A 17) B 9 C 117 D 13 E 94 = 104

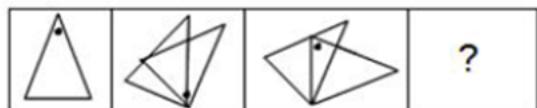
- | | |
|----------------------------|----------------------------|
| A. $\times, \div, +, -, -$ | B. $+, \div, \times, +, -$ |
| C. $-, \times, +, \div, -$ | D. $\times, -, \div, +, -$ |

48. रिक्त स्थान को भरने के लिए दिए गए विकल्पों में से कौन सा विकल्प सबसे उपयुक्त है?

16 : 128 :: 4 : _____

- | | |
|-------|-------|
| A. 40 | B. 14 |
| C. 8 | D. 26 |

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



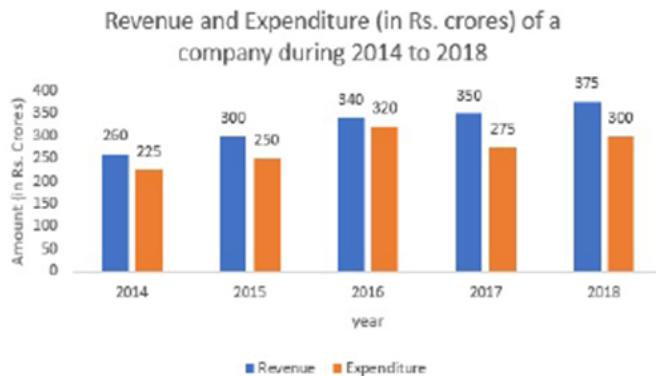
- | | |
|----|----|
| A. | B. |
| C. | D. |

50. रिक्त स्थान को भरने के लिए दिए गए विकल्पों में से कौन सा विकल्प सबसे उपयुक्त है?

समाचार पत्र : प्रेस : : कपड़ा : _____

- | | |
|----------|---------|
| A. दुकान | B. रेशा |
| C. मिल | D. टेलर |

51. निर्देश: निम्नलिखित ग्राफ का अध्ययन करें और नीचे दिए गए प्रश्न का उत्तर दें।



किस वर्ष राजस्व में पिछले वर्ष की तुलना में 1% और 3% के बीच प्रतिशत वृद्धि हुई है?

- | | |
|---------|---------|
| A. 2015 | B. 2017 |
| C. 2018 | D. 2016 |
52. 2016 में कंपनी का व्यय 2014, 2015 और 2018 में औसत राजस्व (प्रति वर्ष) से कितना प्रतिशत अधिक है (निकटतम पूर्णांक के लिए सही)?
- | | |
|-------|-------|
| A. 3% | B. 5% |
| C. 6% | D. 4% |
53. 2016 और 2018 में कंपनी के कुल राजस्व का 2015 और 2017 में कुल खर्च से क्या अनुपात है?
- | | |
|--------------|--------------|
| A. 143 : 105 | B. 130 : 103 |
| C. 115 : 114 | D. 105 : 143 |
54. 30 वस्तुओं का क्रय मूल्य x वस्तुओं के विक्रय मूल्य के समान है। यदि लाभ 25% है, तो x का मान है:
- | | |
|-------|-------|
| A. 18 | B. 30 |
| C. 24 | D. 25 |
55. तीन वस्तुएँ 180 रुपये प्रत्येक पर खरीदी जाती हैं। उनमें से एक को 10% की हानि पर बेचा जाता है। यदि अन्य दो वस्तुओं को इस प्रकार बेचा जाता है कि पूरे लेनदेन पर 25% का लाभ हो, तो दोनों वस्तुओं पर लाभ प्रतिशत क्या है?
- | | |
|----------|----------|
| A. 30% | B. 42.5% |
| C. 37.5% | D. 45% |
56. एक व्यक्ति ने साधारण ब्याज पर $x\%$ प्रति वर्ष की दर से 6,500 रुपये की राशि और साधारण ब्याज पर $(X - 2)\%$ प्रति वर्ष की दर से

7,500 रुपये का निवेश किया। यदि 3 वर्षों के लिए दोनों निवेशों पर अर्जित कुल ब्याज 3,750 रुपये है तो पहले निवेश में ब्याज की दर क्या है?

A. 14%

B. 10%

C. 8%

D. 12%

57. $\left[\left(1 - \frac{2}{15} \right) + \frac{2}{5} \right] \div \frac{14}{15} + \left(\frac{2}{3} \text{ of } \frac{6}{7} \div \frac{4}{9} - \frac{1}{6} \times 1\frac{5}{7} \right)$ का सरलीकृत मान क्या है?

A. $\frac{11}{15}$

B. $\frac{33}{14}$

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

D. $\frac{21}{2}$

58. एक लंब वृत्तीय शंकु का वक्र पृष्ठीय क्षेत्रफल 65π सेमी² है और इसके आधार की त्रिज्या 5 सेमी है। शंकु के आयतन का आधा (सेमी² में) कितना है?

A. 50π

B. 100π

C. 180π

D. 45π

59. एक लड़की अपनी आय का 76 प्रतिशत खर्च करती है। यदि उसकी आय में 18% की वृद्धि होती है और उसके व्यय में 25% की वृद्धि होती है, तो उसकी बचत में कितने प्रतिशत वृद्धि या कमी होती है (दशमलव के एक स्थान तक सही)?

A. 6.9%, कमी

B. 4.2%, कमी

C. 5.7%, वृद्धि

D. 8.4%, वृद्धि

60. 10%, 12% और 15% की तीन साधारण छूटों के बराबर एकल छूट है:

A. 32.68%

B. 34.17%

C. 37%

D. 35.36%

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

A. 120

B. 80

C. 90

D. 100

62. 6 पुरुषों का औसत वजन 2.5 किग्रा बढ़ जाता है जब 55 किग्रा वजन वाले व्यक्ति को एक नए व्यक्ति द्वारा प्रतिस्थापित किया जाता है। एक नए व्यक्ति का वजन (किलो में) क्या है?

A. 70

B. 62.5

C. 60

D. 75.5

63. 100 मदों का माध्य 47 है। यह ज्ञात हुआ कि तीन मद को जो 60, 70, 80 होने चाहिए थे, उन्हें गलत तरीके से क्रमशः 40, 20, 50 पढ़ा गया। सही माध्य है:

A. 48

B. 47

- C. 1555.2 D. 1376.4

72. माना x सबसे छोटी संख्या है जो 8, 12, 30, 36 और 45 से विभाज्य है और x पूर्ण वर्ग भी है। x का मान क्या है?
A. 3600 B. 4900
C. 2500 D. 4225

73. एक क्षेत्र एक वृत्त के रूप में है। इसके चारों ओर 11 रुपये प्रति मीटर की दर से बाड़ लगाने की लागत 2,420 रुपये है। मैदान का क्षेत्रफल (मी^2 में) क्या है?
 $(\pi = \frac{22}{7} \text{ लेने पर})$
A. 3850 B. 4500
C. 4250 D. 2700

74. एक व्यक्ति 900 मीटर लंबी सड़क को 6 मिनट में पार करता है। व्यक्ति की गति किमी/घंटा में है:
A. 9 B. 10
C. 15 D. 12

75. 10,000 रुपये की राशि पर $1\frac{1}{2}$ वर्षों के लिए 10% प्रति वर्ष की दर से चक्रवृद्धि ब्याज, जब ब्याज 6-मासिक चक्रवृद्धि है और साधारण ब्याज के बीच (रु में) क्या अंतर है?
A. 102.25 B. 87
C. 76.25 D. 91.5

76. दक्षिण एशियाई क्षेत्रीय सहयोग संघ (सार्क) की स्थापना किस वर्ष की गई थी?
A. 1987 B. 1985
C. 1980 D. 1983

77. निम्नलिखित में से किस खनिज में अयस्क के रूप में कीसेराइट (kieserite) पाया जाता है?
A. चांदी B. मैग्नीशियम
C. पोटेशियम D. लोहा

78. निम्नलिखित में से कौन-सा हमारे सौर मंडल का एक बौना ग्रह है?
A. यूरोपा B. कैलिस्टो
C. मकेमेक D. गैनीमेड

79. 'टोकामक' नामक उपकरण निम्नलिखित में से किस प्रकार के ईंधन से संबंधित है?
A. जलीय B. ज्वारीय
C. भूतापीय D. परमाणु

80. 16वीं लोकसभा के प्रोटेम (अस्थायी) स्पीकर कौन थे?
A. मीरा कुमार B. एम थंबीद्दरै

- C. कमलनाथ
D. मनोहर पर्रिकर

81. निम्नलिखित में से कौन सी आर्द्धभूमि केरल में स्थित है?
A. नंदुर माधमेश्वरी
B. होकेरा वेटलैंड
C. सस्थामकोट्टा झील
D. सांडी पक्षी अभ्यारण्य
E. उपरोक्त में से कोई नहीं

82. प्रियदर्शिनी गोविंद, जिन्हें 2019 में संगीत अकादमी द्वारा 'नृत्य कलानिधि' की उपाधि से सम्मानित किया गया, एक प्रसिद्ध _____ नर्तकी हैं।
A. कथकली
B. भरतनाट्यम
C. कुचिपुड़ी
D. कथक

83. पाकिस्तान निम्नलिखित में से किस नदी पर डायमर-भाषा बांध नाम का बांध बना रहा है?
A. सिंधु
B. झेलम
C. सतलुज
D. चिनाब

84. डकवर्थ-लुईस-स्टर्न पद्धति का संबंध निम्नलिखित में से किस खेल से है?
A. फुटबॉल
B. हॉकी
C. पोलो
D. क्रिकेट

85. अकबर द्वारा लड़े गए निम्नलिखित युद्धों में से कौन-सा शेष युद्धों की तुलना में नवीनतम था?
A. तुकारोई का युद्ध
B. हल्दीघाटी का युद्ध
C. थानेसर का युद्ध
D. पानीपत का दूसरा युद्ध

86. हड्ड्या सभ्यता के निम्नलिखित स्थलों में से कौन पाकिस्तान में स्थित नहीं है?
A. कोट दीजी
B. चन्हूदड़ो
C. शॉर्टघई
D. बालाकोट

87. असंतृप्त कार्बन यौगिक किसके साथ जलते हैं?
A. नारंगी रंग की कालिख की लौ
B. सफेद कालिख की लौ
C. लाल कालिख की लौ
D. पीली कालिख की लौ

88. निम्नलिखित में से किस राज्य में पारंपरिक रूप से 'योशांग' नामक त्योहार मनाया जाता है?
A. सिक्किम
B. छत्तीसगढ़
C. झारखण्ड
D. मणिपुर

89. सितंबर 2021 तक, नीति आयोग के सीईओ कौन हैं?
A. अमिताभ कांत
B. उर्जित पटेल
C. शक्तिकांत दास
D. डॉ. राजीव कुमार

90. निम्न में से कौन सा ग्रेफाइट का गुण नहीं है?
A. अमिताभ कांत
B. उर्जित पटेल
C. शक्तिकांत दास
D. डॉ. राजीव कुमार

A. यह विद्युत का सुचालक है।

C. इसका घनत्व हीरे से कम होता है।

B. इसका गलनांक कम होता है।

D. यह ऊषा का सुचालक है।

91. राष्ट्रीय एकता परिषद की पहली बैठक किस वर्ष आयोजित की गई थी?

A. 1955

C. 1951

B. 1962

D. 1965

92. ओडिशा के बरगढ़ जिले की धनु यात्रा विष्णु के निम्नलिखित में से किस अवतार को समर्पित है?

A. भगवान राम

C. भगवान वराह

B. भगवान वामन

D. भगवान कृष्ण

93. प्रार्थना समाज के संस्थापक निम्नलिखित में से कौन थे?

A. एमजी रानाडे

C. आत्माराम पांडुरंग

B. आरसी भंडारकर

D. ज्योतिबा फुले

94. _____ एक प्रकार की धोखाधड़ी है जहां एक अधिकृत बैंकिंग लेनदेन के दौरान डेबिट/क्रेडिट कार्ड की जानकारी चुराने के लिए एक छोटे इलेक्ट्रॉनिक उपकरण का उपयोग किया जाता है।

A. फ़िशिंग

B. स्क्रिमिंग

C. स्मिशिंग

D. विशिंग

95. भारत सरकार द्वारा केंद्र प्रायोजित योजना के रूप में 'हाथी परियोजना' किस वर्ष शुरू की गई थी?

A. 1984

B. 1992

C. 1988

D. 1997

96. निम्नलिखित में से कौन 'स्पीकिंग ट्रूथ टू पावर: माई अल्टरनेटिव व्यू' नामक पुस्तक के लेखक हैं?

A. सुब्रमण्यम स्वामी

B. मणिशंकर अच्युत

C. पी चिदंबरम

D. अरुण शौरी

97. 'अमृता देवी बिश्नोई राष्ट्रीय पुरस्कार' किसके लिए दिया जाता है:

A. पर्यावरण संरक्षण

B. ऊर्जा संरक्षण

C. वन्यजीव संरक्षण

D. जैव विविधता संरक्षण

98. केंद्रीय खेल मंत्रालय ने खेलो इंडिया योजना के पहले चरण में आठ राज्यों में खेलो इंडिया स्टेट सेंटर ऑफ एक्सीलेंस (KISCE) स्थापित करने का निर्णय लिया है। निम्नलिखित में से कौन इन आठ राज्यों में से एक नहीं है?

A. आंध्र प्रदेश

B. कर्नाटक

C. उड़ीसा

D. नागालैंड

99. प्रसिद्ध कॉमेडियन केन शिमुरा, जिनका मार्च 2020 में निधन हो गया, किस देश के नागरिक थे?

A. चीन

B. जापान

C. इंडोनेशिया

D. दक्षिण कोरिया

100. निम्नलिखित संक्षेपों में से कौन भारत में खुदरा भुगतान और निपटान प्रणाली के संचालन के लिए मुख्य रूप से एक छत्र संगठन है?

- A. एनपीसीआई
- B. नाबाड़
- C. सिडबी
- D. आईआरडीएआई

Solutions

1. B

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

Glittering= to shine brightly with little flashes of light like a diamond

E.g.: The ceiling of the cathedral **glittered** with gold.

Shiny = smooth and bright

Dull = not bright or shiny

E.g.: The fire died down to a **dull** glow.

Attractive = pleasant to look at.

Stingy = (in context of hair) long and thin and looking as if it has not been washed.

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

2. C

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

• “Inform” is a verb and it means to tell someone about something especially in an official way.

For example:

The leaflet **informs** customers about healthy eating.

• “Information” is a noun and it means facts or details about someone/something.

For example:

What was your main source of **information** for your article?

• In the given sentence, we don't need a verb because “have” is not used as an auxiliary verb but it is a main verb (linking verb) that shows the possession of “information”. Only an adjective or a noun or a pronoun can be used after the linking verb. Thus, a noun “information” should be used in place of a verb “inform”.

• Hence, “**no information**” is the correct substitution.

Thus, the correct sentence will be: **I have no information about today's meeting with the managing director.**

3. A

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

Unusual= different from what is normal

E.g.: Police then took the **unusual** step of publishing the names and pictures of the two suspects.

Commonplace = done very often, or existing in many places and therefore not unusual

E.g.: This technology is now **commonplace** in schools.

Questionable = likely to be dishonest or morally wrong.

Fantastic = extremely good; excellent.

Rare = not done, seen, happening etc. very often.

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

4. B

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

- *Hadn't* = (question tag) used when auxiliary verb (of main clause) is in past tense.
- *Hasn't* = (question tag) used when singular auxiliary verb (of main clause) is in present tense.
- *Haven't* = (question tag) used when plural auxiliary verb (of main clause) is in present tense.
- *Didn't* = (question tag) used when auxiliary (of main clause) is absent in simple past tense.

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

- “*Hadn't*” as a negative question tag is used in past tense. Thus, option A is incorrect.
 - “*Haven't*” as negative question tag is used when plural auxiliary verb (of main clause) is used in present tense. But here, singular auxiliary verb (has) is present. Thus, option C is incorrect.
 - “*Didn't*” as a negative question tag is used in past tense. Thus, option D is incorrect.
 - “*Hasn't*” as negative question tag is used when singular auxiliary verb (of main clause) is used in present tense.
 - Question tags are written according to the subject and auxiliary of the main clause. If the main clause is in positive sense then a negative tag is used.
 - Here in the given sentence, main clause is set in present perfect tense with the singular subject “Health Minister” and singular auxiliary verb “has”.
- Thus, “*Hasn't*” becomes the correct word to fill in the blank.

Thus, the correct sentence will be: **The Health Minister has been discharged from the hospital, hasn't he?**

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

5. C

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

“Suspension” is the correct spelling of the incorrect word “Suspention”. It means the act of officially removing someone from their job for a period of time usually as a punishment.

The meaning of other words are:

Composition: the different parts that something is made of.

Application: a formal request for something.

Identification: the process of showing, proving or recognizing who or what someone/something is.

6. D

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

- *Inappropriate* = not suitable or appropriate in a particular situation.
- *Influential* = having a lot of influence on someone/something
- *Invisible* = something that cannot be seen.
- *Incompetent* = not having the skill or ability to do your job or a task as it should be done.

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

- “*Inappropriate*” is used in context of “not suitable”. Thus, option A is incorrect.
- “*Influential*” is used in context of “a lot of influence on someone”. Thus, option B is incorrect.
- “*Invisible*” is used in context of “unable to see”. Thus, option C is incorrect.
- “*Incompetent*” is used in context of “not having ability or skill”.
- Here in the given sentence, it is used to mention that Pravesh’s teacher makes him feel that he does not have any ability or skill.

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

Thus, the correct sentence will be: **Pravesh’s teacher makes him feel as if he is incompetent.**

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

7. D

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

- Underlined part needs correction in structure of indirect speech.
- The given sentence is in indirect speech because it does not quote the actual words. Also, the sentence is of Interrogative type. After the reporting verb and conjunction, assertive sentence structure is used in indirect speech whereas interrogative structure is used in direct speech.

• **For example:**

Direct speech: The policeman said to Ramesh, “Why **are you not wearing the face mask properly in the public place?**”

Indirect speech: The policeman enquired Ramesh why **he was not wearing the face properly in the public place.**

- The underlined sentence is in indirect speech of interrogative sentence but we have erroneously used interrogative structure i.e. “Helping verb + Subject” (didn’t you) in the sentence that is being reported.
- In order to keep the assertive structure in indirect speech, we have to use “I didn’t”. Also, “I” is written in accordance with the object of the reporting verb i.e. “me”.
- Hence, “**I didn’t**” is the correct substitution.

Thus, the correct sentence will be: **Anurag asked me why I didn’t pay the driver.**

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

8. D

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

- The structures for active/passive voices for present perfect tense are:

Active Voice: Subject + has/have + Verb (V3 form) + Object

Passive Voice: Object + has/have + been + Verb (V3 form) + by + Subject

• **For example:**

Active Voice: The Director **has granted** her a scholarship.

Passive Voice: She **has been granted** a scholarship by the Director.

- In the given sentence, we have passive voice verb structure in present perfect tense.
- But we have erroneously used first form of verb “immunise”. Thus, third form of verb “immunised” should be used in place of first form of verb “immunise”.

Note: In passive voice, it is not mandatory to use the doer by using preposition “by” in the end. Sometimes it is implicit from the sentence.

- Thus, “**has been immunised**” is the correct substitution.

Thus, the correct sentence will be: **According to a recent survey, around 60% of children under the age of 5 years has been immunised.**

9. B

Sol. Pathologist: a doctor who studies pathology and examines dead bodies to find out the cause of death.

Cardiologist: a doctor who studies and treats heart diseases.

Neurologist: a doctor who studies and treats diseases of nerves.

Paediatrician: a doctor who studies and treats the diseases of children.

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

10. A

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

- Underlined part needs correction in Tense.
- Correct continuous form of verb structure in present tense is: is/am/are + -ing form of verb. It is used to show the progressive or continuous nature of action verb.

For example:

The kids **are playing** with a bat and ball in the park.

- Present continuous perfect tense has a verb structure: has/have + been + -ing form of verb. It denotes an action continuing from the past into the present. It implies the duration of an action from past to present.

For example:

He **has been suffering** from fever **for** two days.

- The given sentence is lacking in time expression like “for” that shows the duration of action from past to present. So, it is erroneous to use present perfect continuous tense.

- It is possible to make the sentence in continuous form to show the progressive action of “take care”. Thus, “are taking” can be used to correct the sentence.
- Hence, “**are taking**” is the correct substitution.

Thus, the correct sentence will be: **These days my parents are taking great care of my health and want me to eat nuts and seeds, which are rich in vitamins and minerals.**

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

11. D

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

- *Expectation* = a belief that something will happen because it is likely
- *Invitation* = a spoken or written request to someone to do something or to go somewhere.
- *Ambition* = something that you want to do or achieve very much.
- *Inspiration* = a person or a thing that makes you want to be better, more successful etc.

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

- “*Expectation*” is used in context of “belief likely to happen”. Thus, option A is incorrect.
- “*Invitation*” is used in context of “request to go somewhere”. Thus, option B is incorrect.
- “*Ambition*” is used in context of “a task desired to be achieved”. Thus, option C is incorrect.
- “*Inspiration*” is used in context of “something/someone that push you to do more”.
- Here in the given sentence, it is used to mention that the speaker receives a lot of inspiration i.e. “positive vibes in the form of encouragement” that helps him to do more.

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

Thus, the correct sentence will be: **I receive a lot of inspiration from my family members, who are very encouraging.**

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

12. D

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

- Modals take first form of verb after them in their verb structure i.e. Modal + first form of verb
- **For example:**

She **could not hide** her amusement at the way he was dancing.

- In the given sentence, we have erroneously used third form of verb after the modal verb “could”. Thus, first form of verb “complete” should be used in place of “completed”.
- Hence, “**could not complete**” is the correct substitution.

Thus, the correct sentence will be: **Though they worked day and night to build the highway before the deadline they could not complete it.**

13. A

Sol. Infallible: never wrong; never making mistakes.

Incapable: not able to do something.

Ineligible: not having necessary qualifications to have or to do something.

Untrustworthy: someone/something that you cannot rely on.

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

14. B

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

- Underlined part needs correction in conjunction and helping verb.
- “Even” as an adverb is used to emphasize something unexpected or surprising.

For example:

She **did not even** call to say she wasn’t coming.

- “While” as a conjunction is used to contrast two things.

For example:

While Karan is very good at science, his brother is absolutely hopeless.

- As per the Subject Verb agreement, verb should be in accordance with the subject. Singular verb should be used with singular subject. Plural verb should be used with plural subject.

For example:

The boy was drinking milk out of a bowl.

- The given sentence is setting the contrast between two clauses viz.
- “Cakes are Jaya’s favourite snack” and “samosas are Aparna’s preferred choice”. But we have erroneously used “even” to show the sense of unexpectedness, which is not at all required in the sentence. Also, an adverb cannot be used to join two clause, whereas a conjunction can. Thus, conjunction “while” should be used in place of an adverb “even”.

- Also, in the underlined sentence, we need a plural helping verb in accordance with plural subject “samosas”. Thus, helping verb “are” should be used in place of singular helping verb “is”.
- Hence, “**while samosas are**” is the correct substitution.

Thus, the correct sentence will be: **Cakes are Jaya's favourite snack, while samosas are Aparna's preferred choice.**

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

15. D

Sol. The idiom “**Drop in**” means able to be visited without arranging a fixed time first.

Example: There is a **drop-in** clinic every Tuesday offering advice on mental health.

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

16. D

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

- *Behind* = (preposition) at or towards the back of someone/something, and often hidden by it or them.
- *To* = (preposition) in the direction of something.
- *Between* = (preposition) being included or happening in two persons
- *With* = (preposition) used to show who has possession of or responsibility for something.

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

- “*Behind*” as a preposition is used in context of “back of someone” Thus, option A is incorrect.
- “*To*” as a preposition is used in context of “in direction of something”. Thus, option B is incorrect.
- “*Between*” as a preposition is used in context of “happening in two persons or things”. Thus, option C is incorrect.
- “*With*” is used in context of “responsibility or possession of something”.
- Here in the given sentence, it is used to show keeping of “job application” in “possession” of “office superintendent”, who happens to be a responsible person.

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

Thus the correct sentence will be: **The office superintendent asked me to leave my job application with him.**

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

17. B

Sol. The idiom “**a turning point**” means the time when an important change takes place, usually with the result that a situation improves.

Example: The promotion marked a **turning point** in his career.

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

18. A

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

Transparent= allowing you to see through it.

E.g.: The insect's wings are almost **transparent**.

Clear = easy to see or hear

E.g.: The water was so **clear** that we could see the bottom of the lake.

Shiny = smooth and bright.

Opaque = not clear enough to see through or allow light through.

Pretty = attractive without being very beautiful.

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

19. D

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

Pollution= the process of making air, water, soil etc. dirty.

E.g.: The summit ended with a joint pledge to limit **pollution**.

Aggravation = the fact of an illness or a bad situation being made worse.

Expansion = an act of increasing or making something increase in size, amount or importance.

Creation = the act or process of making something that is new, or of causing something to exist that did not exist before.

Contamination = the fact of making a substances or a place dirty or no longer pure by adding a substance that is dangerous or carries disease.

E.g.: Environmental **contamination** resulting from human activities is a major health concern.

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

20. B

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

“Identifiable” is the correct spelling of the incorrect word “Identifiable”. It means something that can be recognized.

The meaning of other words are:

Justifiable: existing or done for a good reason.

Legible: clear enough to read.

Eligible: able to have or do something because they have the right qualifications, age etc.

21. B

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Starting” is the continuous form of the verb. Thus, option A is wrong.

“Start” is the first form of verb (plural). Thus, option C is wrong.

“Starts” is the first form of verb (singular). Thus, option D is wrong.

“Started” is the third form of verb.

Here it is used, in the present perfect form: “have + third form of verb” i.e. “have + started”.

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

22. C

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Any” as a determiner is used with uncountable or plural nouns in negative sentences and questions. Thus, option A is wrong.

“A” as an indefinite article is used before the countable nouns (no vowel sounds) that have not been mentioned before. Thus, option B is wrong.

“Some” as a determiner is used with uncountable nouns or plural countable nouns to mean “an amount of” or “a number of” when the amount is not given. Thus, option D is wrong.

“The” as a definite article is used before the nouns that are specific or has already been mentioned in the sentence.

Here in the given sentence, noun “non-Covid patients” (a part of noun phrase “... pressure of non-Covid patients”) was already introduced in the previous part. Thus, when it is introduced again we have to use definite article “the”.

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

23. A

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Has advise” is an erroneous form of the verb because third form of verb should be used after the helping verb “has”. Thus, option B is wrong.

“Advising” is the continuous form of verb. Thus, option C is wrong.

“Have advised” is a verb form that is used in present perfect for plural subject. But here, we need a verb form for singular subject. Thus, option D is wrong.

“Has advised” is a verb form that is used in present perfect for singular subject.

Here it is used for “Municipal Corporation” which is a singular subject.

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

24. C

Sol. The given passage is about **“A focal change in Delhi hospitals: Covid patients to non-Covid patients”**.

“Guards” means a person who protects a place or people or prevents prisoners from escaping. Thus, option A is wrong.

“Patients” means a person who is receiving medical treatment especially in hospital. Thus, option B is wrong.

“Members” means a person, an animal or a plant that belongs to a particular group. Thus, option D is wrong.

“Staff” means all the workers employed in an organisation considered as a group.

In the given sentence, it is used for workers employed in the hospitals of Delhi. As per the advice shared by Municipal Corporation, some of these workers should be moved to other units.

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

25. C

Sol. The given passage is about “**A focal change in Delhi hospitals: Covid patients to non-Covid patients**”.

“Along with someone/something” means in addition to someone/something. Thus, option A is wrong.

“As well as” also means in addition to someone/something; too. Thus, option B is wrong.

“Similar to” means like someone/something but not exactly the same. Thus, option D is wrong.

“Such as” means “for example”.

Here it is used to mention the examples of diseases that require immediate attention like cancer, heart diseases, and kidney diseases.

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

26. D

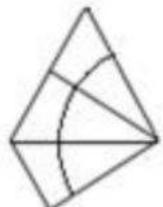
Sol. लोहार

किसान द्वारा फसल काटने के लिए रीपर का उपयोग किया जाता है उसी तरह लोहार द्वारा धातु को पीटने के लिए निहाई का उपयोग किया जाता है।

इसलिए, विकल्प D सही उत्तर है।

27. D

Sol. नीचे दी गई आकृति को रिक्त स्थान पर रखे जाने पर दी गई आकृति पूर्ण हो जाएगी।



इसलिए, विकल्प D सही उत्तर है।

28. A

Sol. $16 \times 2 = 32$

$8 \times 6 = 48$

$$6 \times 10 = 60$$

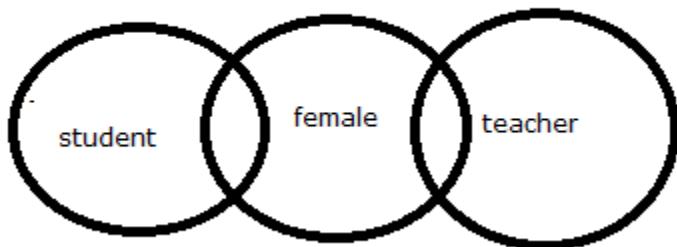
यहां 2, 6, 10 के बीच का अंतर 4 से बढ़ रहा है इसलिए 5 को (10+4) यानी 14 से गुणा किया जाता है

$$5 \times 14 = 70$$

इसलिए, विकल्प A सही उत्तर है।

29. B

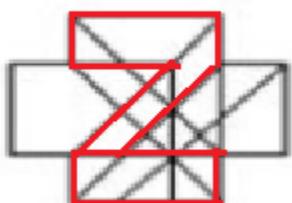
Sol. शिक्षक, महिला और छात्र के बीच संबंध नीचे दिखाया गया है।



इसलिए, विकल्प B सही उत्तर है।

30. D

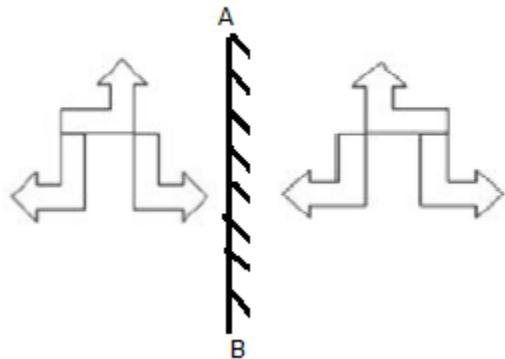
Sol. पैटर्न जो नीचे दी गई आकृति में अंतर्निहित है :



इसलिए, विकल्प D सही उत्तर है।

31. A

Sol. दी गई आकृति का दर्पण प्रतिबिम्ब नीचे दर्शाया गया है।



इसलिए, विकल्प A सही उत्तर है।

32. D

Sol. नीचे दी गई तालिका में समाधान को समझाया गया है:

M+4=Q	N+4=R
A+3=D	O+3=R
T+4=X	T+4=X
E+3=H	O+3=R
R+4=V	L+4=P
I+3=L	O+3=R
A+3=D	G+4=K
L+4=16	Y+3=C

इसलिए, विकल्प D सही उत्तर है।

33. B

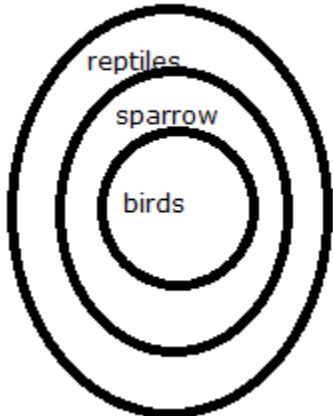
Sol. प्रश्न के अनुसार छात्रों की व्यवस्था है :

हर्षिता > राघव > रमन > रितेश > अंकुर

इसलिए, विकल्प B सही उत्तर है।

34. D

Sol. संबंध का सचित्र प्रतिनिधित्व नीचे दिखाया गया है:



निष्कर्षः

- I. कुछ रेपटाइल, बर्ड हैं = सही है क्योंकि सभी बर्ड, स्पैरो हैं और सभी स्पैरो, रेपटाइल हैं।
- II. सभी रेपटाइल, स्पैरो हैं = गलत है, लेकिन सभी स्पैरो, रेपटाइल हैं।
- III. सभी बर्ड, रेपटाइल हैं = सही है क्योंकि सभी बर्ड, स्पैरो हैं और सभी स्पैरो, रेपटाइल हैं।

इसलिए, विकल्प D सही उत्तर है।

35. B

Sol. यहां तर्क इस प्रकार है पहला पद – दूसरा पद = 52 तथा तीसरा पद – दूसरा पद = 112

$$(192, 140, 252) = 192 - 140 = 52 \text{ और } 252 - 140 = 112$$

$$\text{इसी तरह, } (186, 134, 246) = 186 - 134 = 52 \text{ और } 246 - 134 = 112$$

इसलिए, विकल्प B सही उत्तर है।

36. C

Sol.

यहां तर्क यह है कि दिए गए शब्द में विषम स्थानों के अक्षर का स्थितिगत मान समान है लेकिन सम संख्या का स्थितिगत मान विपरीत है-

S=19	N=14	S=19
H=19	O=12	E=22
E=5	M=13	I=9
L=15	I=18	Z=1
V=22	N=14	U=21
E=22	E=22	R=9
S=19	E=5	E=5

इसलिए, विकल्प C सही उत्तर है।

37. A

Sol.

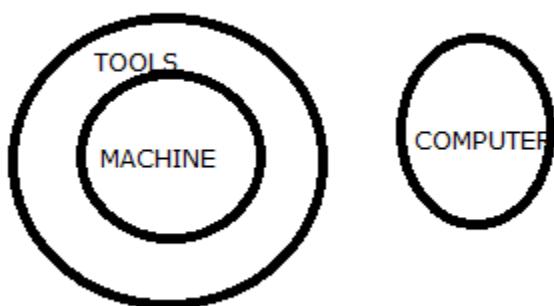
यहां तर्क यह है कि अंतिम दो अक्षर उल्टे क्रम में लिखें, फिर पहले दो अक्षर उल्टे क्रम में शुरू करें, फिर दूसरे अंतिम दो अक्षर उल्टे क्रम में फिर तीसरे और चौथे अक्षर को उल्टे क्रम में शुरू करें और इसी तरह आगे भी होगा।

LEFTWING=GNELIWTF

इसलिए, विकल्प A सही उत्तर है।

38. A

Sol. कथन के अनुसार सचित्र प्रतिनिधित्व नीचे दर्शाया गया है:



निष्कर्षः

I. कोई मशीन, कम्प्यूटर नहीं है = सही है क्योंकि उनके बीच कोई संबंध नहीं है।

II. कुछ कम्प्यूटर, दूल हैं = गलत है क्योंकि उनके बीच कोई संबंध नहीं है।

इसलिए, विकल्प A सही उत्तर है।

39. C

Sol. यहां अनुसरण किया गया तर्क है—

$$6 \times 2 + 6 = 18$$

$$18 \times 2 - 7 = 29$$

$$29 \times 2 + 8 = 66$$

$$66 \times 2 - 9 = 123$$

$$123 \times 2 + 10 = 256$$

इसलिए, विकल्प C सही उत्तर है।

40. A

Sol.

दिन के अनुसार व्याख्यान की व्यवस्था नीचे दी गई है:

सोमवार	लीनियर अलजेब्रा
मंगलवार	अवकाश
बुधवार	बिड डेटा एनालिसिस
गुरुवार	क्रिएट्रीप्राफी
शुक्रवार	फ्लूइड डायनामिक्स
शनिवार	डिफरेंशियल इकेशन
रविवार	वेवलेट थ्योरी

तो, बिंग डेटा एनालिसिस और वेवलेट थ्योरी के बीच तीन व्याख्यान होंगे।

इसलिए, विकल्प A सही उत्तर है।

41. B

Sol. अक्षरों को उल्टे क्रम में लिखें और स्थितीय मान को तीन तक बढ़ाएं

PHONETIC उल्टे क्रम में= CITENOHP

इसी प्रकार, SHEEPDOG=GODPEEHS

C+3=F	G+3=J
I+3=L	O+3=R
T+3=W	D+3=G
E+3=H	P+3=S
N+3=Q	E+3=H
O+3=R	E+3=H
H+3=K	H+3=K
P+3=S	S+3=V

इसलिए, विकल्प B सही उत्तर है।

42. B

Sol.

यहां अनुसरण किए गए तर्क में अक्षर के विपरीत स्थितीय मान का योग -2 है

OPULENT विपरीत LKFOVMG

स्थितीय मान का योग LKFOVMG= 86 और $86 - 2 = 84$ तो, OPULENT =84

LEARNER विपरीत = OVZIMVI

स्थितीय मान का योग OVZIMVI= 116 और $116-2=114$

इसी प्रकार, विपरीत अक्षर PHYSICS= KSBHRXH

स्थितीय मान का योग KSBHRXH=90 और $90-2=88$

तो, PHYSICS को 88 के रूप में कृटबद्ध किया जाएगा

इसलिए, विकल्प B सही उत्तर है।

43. B

Sol. इस प्रकार के प्रश्नों को हिट और द्रायल विधि द्वारा हल किया जाता है तो 8 और 3 को प्रतिस्थापित करने के लिए

$$186 \div 17 + 104 - 12 \times 3 = 16$$

$$136 \div 17 + 104 - 12 \times 8 = 16$$

BODMAS नियम लागू करने पर

$$8+104-96=16$$

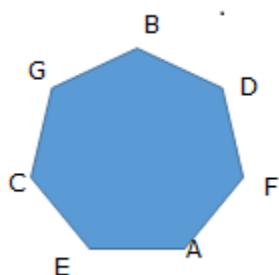
$$112-96=16$$

$$16=16$$

इसलिए, विकल्प B सही उत्तर है।

44. B

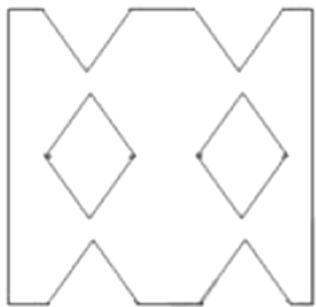
Sol. प्रश्न के अनुसार व्यक्तियों की संभावित व्यवस्था नीचे दी गई है:



इसलिए, विकल्प B सही उत्तर है।

45. D

Sol. जब कागज को मोड़ा जाता है और फिर प्रश्न में दिए गए निर्देश के अनुसार कट किया जाता है, तो कागज को खोलने के बाद बनने वाला पैटर्न नीचे दर्शाया गया है:



इसलिए, विकल्प D सही उत्तर है।

46. A

Sol. इस शृंखला में प्रत्येक अक्षर अगले अक्षर समूह में 2 स्थितीय मान से बढ़ रहा है।

H+2=J	J+2=L	L+2=N
E+2=G	G+2=I	I+2=K
A+2=C	C+2=E	E+2=G

इसलिए, विकल्प A सही उत्तर है।

47. C

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

$$(38 \text{ A } 17) \text{ B } 9 \text{ C } 117 \text{ D } 13 \text{ E } 94 = 104$$

-, ×, +, ÷, – द्वारा अक्षरों को प्रतिस्थापित करें

$$(38 \text{ A } 17) \text{ B } 9 \text{ C } 117 \text{ D } 13 \text{ E } 94 = 104$$

$$(38-17) \times 9 + 117 \div 13 - 94 = 104$$

BODMAS नियम लागू करने पर

$$189 + 9 - 94 = 104$$

$$104 = 104$$

इसलिए, विकल्प C सही उत्तर है।

48. C

Sol. यहां तर्क इस प्रकार है कि दूसरा पद = (पहला पद)² ÷ 2

$$\text{चौथा पद} = 4^2 \div 2 = 16 \div 2 = 8$$

इसलिए, विकल्प C सही उत्तर है।

49. D

Sol. आकृति जो प्रश्नवाचक चिन्ह को प्रतिस्थापित करेगी, नीचे दी गई है :



इसलिए, विकल्प D सही उत्तर है।

50. C

Sol. प्रेस में अखबार छपते हैं, इसी तरह मिल में कपड़े तैयार किए जाते हैं।

इसलिए, विकल्प C सही उत्तर है।

51. B

Sol. वर्ष 2015 में राजस्व में प्रतिशत वृद्धि

$$= \left(\frac{300 - 260}{260} \right) \times 100\% = \left(\frac{40}{260} \right) \times 100 \approx 15\%$$

वर्ष 2016 में राजस्व में प्रतिशत वृद्धि

$$= \left(\frac{340 - 300}{300} \right) \times 100\% = \left(\frac{40}{300} \right) \times 100 = 13.33\%$$

वर्ष 2017 में राजस्व में प्रतिशत वृद्धि

$$= \left(\frac{350 - 340}{340} \right) \times 100\% = \left(\frac{10}{340} \right) \times 100 = 2.94\%$$

वर्ष 2018 में राजस्व में प्रतिशत वृद्धि

$$= \left(\frac{375 - 350}{350} \right) \times 100\% = \left(\frac{25}{350} \right) \times 100 = 7.14\%$$

अतः विकल्प B सही उत्तर है।

52. A

Sol. 2014, 2015 और 2018 में औसत राजस्व = $\left(\frac{260+300+375}{3}\right) = \frac{935}{3} \approx 312$

2016 में खर्च = 320

प्रतिशत = $\left(\frac{320-312}{312}\right) \times 100\% = \frac{800}{312}\% = 2.56\% \approx 3\%$

अतः विकल्प A सही उत्तर है।

53. A

Sol. 2016 और 2018 में कुल राजस्व = 340+375 = 715

2015 और 2017 में कुल खर्च = 250+275 = 525

अभीष्ट अनुपात = 715 : 525 = 143 : 105

अतः विकल्प A सही उत्तर है।

54. C

Sol. यदि लाभ 25% है तो विक्रय मूल्य (SP)= 1.25CP

प्रश्नानुसार,

$$30 \times CP = (x) \times SP$$

$$\Rightarrow 30 \times CP = (x) \times (1.25CP)$$

$$\Rightarrow 1.25x = 30$$

$$\Rightarrow x = \frac{30}{1.25} = 24$$

अतः विकल्प C सही उत्तर है।

55. B

Sol. एक वस्तु का विक्रय मूल्य = $\left(\frac{100-10}{100}\right) \times 180 = 162$

माना दोनों वस्तुओं के विक्रय मूल्य का योग = x

कुल क्रय मूल्य = $180 + 180 + 180 = 540$

चूंकि कुल लाभ 25% है

$$\text{अतः कुल विक्रय मूल्य} = \left(\frac{100+25}{100}\right) \times 540 = 675$$

$$\Rightarrow 162 + x = 675$$

$$\Rightarrow x = 675 - 162 = 513$$

$$\text{दो वस्तुओं पर लाभ प्रतिशत} = \left(\frac{513-360}{360}\right) \times 100\% = \left(\frac{153}{360}\right) \times 100\%$$

$$= 42.5\%$$

अतः विकल्प B सही उत्तर है।

56. B

$$\text{Sol. पहली योजना पर 3 साल में अर्जित ब्याज} = 6500 \left(\frac{x}{100}\right) \times 3 = 195x$$

$$\text{दूसरी योजना पर 3 साल में अर्जित ब्याज} = 7500 \left(\frac{x-2}{100}\right) \times 3$$

$$= 225(x - 2) = 225x - 450$$

प्रश्नानुसार

$$\text{कुल ब्याज} = 3750$$

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

$$\Rightarrow 420x = 4200$$

$$\Rightarrow x = 10$$

अतः विकल्प B सही उत्तर है।

57. B

$$\text{Sol. } \left[\left(1 - \frac{2}{15}\right) + \frac{2}{5} \right] \div \frac{14}{15} + \left(\frac{2}{3} \text{ of } \frac{6}{7} \div \frac{4}{9} - \frac{1}{6} \times 1\frac{5}{7} \right)$$

$$= \left[\left(\frac{15-2}{15} \right) + \frac{2}{5} \right] \div \frac{14}{15} + \left(\frac{4}{7} \div \frac{4}{9} - \frac{1}{6} \times \frac{12}{7} \right)$$

$$= \left[\frac{13}{15} + \frac{2}{5} \right] \div \frac{14}{15} + \left(\frac{9}{7} - \frac{2}{7} \right)$$

$$= \frac{19}{15} \times \frac{15}{14} + \frac{7}{7}$$

$$= \frac{19}{14} + 1$$

$$= \frac{33}{14}$$

अतः विकल्प B सही उत्तर है।

58. A

Sol. माना शंकु की तिर्यक ऊँचाई x है।

शंकु का वक्र पृष्ठीय क्षेत्रफल = $\pi r l$

$$\Rightarrow \pi \times 5 \times (x) = 65\pi$$

$$\Rightarrow 5x = 65$$

$$\Rightarrow x = 13 \text{ सेमी}$$

$$\text{इसलिए, शंकु की ऊँचाई} = \sqrt{(l)^2 - (r)^2}$$

$$= \sqrt{(13)^2 - (5)^2} = 12 \text{ सेमी}$$

$$\text{आयतन का आधा} = \frac{1}{2} \times \frac{1}{3} \pi r^2 h = \frac{1}{2} \times \frac{1}{3} \pi 5^2 \times 12 = 50\pi$$

अतः विकल्प A सही उत्तर है।

59. B

Sol. माना उसकी आय 100 है, अतः व्यय = 76 और बचत = $100 - 76 = 24$

$$\text{नई आय} = \left(\frac{100+18}{100} \right) \times 100 = 118$$

$$\text{नया खर्च} = \left(\frac{100+25}{100} \right) \times 76 = 95$$

इसलिए, नई बचत = $118 - 95 = 23$

$$\text{बचत में प्रतिशत परिवर्तन} = \left(\frac{24-23}{24} \right) \times 100\% = 4.2\%$$

अतः विकल्प B सही उत्तर है।

60. A

Sol. 10, 12 और 15% की छूट के बाद प्रभावी दर

$$= 100 \times \left(\frac{100-10}{100} \right) \times \left(\frac{100-12}{100} \right) \times \left(\frac{100-15}{100} \right)$$

$$= 100 \times \left(\frac{90}{100} \right) \times \left(\frac{88}{100} \right) \times \left(\frac{85}{100} \right)$$

$$= \frac{6732}{100} = 67.32$$

इसलिए, छूट = $100 - 67.32 = 32.68$

अतः विकल्प A सही उत्तर है।

61. C

Sol. माना कार की गति = x किमी/घंटा और लिया गया समय = t घंटे

$$\text{तब रेलगाड़ी की गति} = 1.4 \times \text{किमी/घंटा} \text{ और लिया गया समय} = t - \frac{15}{60} \text{ घंटे}$$

चूंकि दोनों के द्वारा तय की गई दूरी 70 किमी है।

इसलिए, $xt = 75$ ----(1)

$$\text{तथा, } 1.4 \times \left(t - \frac{15}{60} \right) = 75$$

$$\Rightarrow 1.4xt - \frac{21}{60}x = 75$$

समीकरण 1 से xt का मान रखने पर

$$\Rightarrow 1.4 \times 75 - \frac{7}{20}x = 75$$

$$\Rightarrow \frac{7}{20}x = 105 - 75$$

$$\Rightarrow \frac{7}{20}x = 30$$

$$\Rightarrow x \approx 90 \text{ km/h}$$

अतः विकल्प C सही उत्तर है।

62. A

Sol. वजन में कुल वृद्धि = $6 \times 2.5 = 15$ किग्रा

तो नए व्यक्ति का वजन उसके द्वारा बदले गए व्यक्ति की तुलना में 15 किग्रा अधिक है

इसलिए, नए व्यक्ति का वजन = $15 + 55 = 70$ किग्रा

अतः विकल्प A सही उत्तर है।

63. A

Sol. पढ़ने में परिवर्तन 1 = $60 - 40 = 20$

पढ़ने में परिवर्तन 2 = $70 - 20 = 50$

पढ़ने में परिवर्तन 3 = $80 - 50 = 30$

कुल परिवर्तन = $20 + 50 + 30 = 100$

तो, औसत में परिवर्तन = कुल परिवर्तन/ मर्दों की संख्या = $100/100 = 1$

चूंकि परिवर्तन धनात्मक है, इसलिए नया माध्य होगा $1 + 47 = 48$

अतः विकल्प A सही उत्तर है।

64. A

Sol. माना तीसरी संख्या x है।

तब, पहली संख्या = $(x) + (x) \times 17\% = x + 0.17x = 1.17x$

तथा दूसरी संख्या = $(x) + (x) \times 50\% = x + 0.50x = 1.50x$

इसलिए, अभीष्ट अनुपात

$1.17x : 1.50x$

39 : 50

अतः विकल्प A सही उत्तर है।

65. C

Sol. माना कुल कार्य 1 इकाई है।

$$\text{प्रत्येक पहले दिन और दूसरे दिन किया गया कार्य} = \frac{1}{10}$$

$$\text{तीसरे दिन किया गया कार्य} = \frac{1}{10} + \frac{1}{15} + \frac{1}{30} = \frac{3+2+1}{30} = \frac{6}{30} = \frac{1}{5}$$

$$\text{अतः 8वें दिन तक किया गया कार्य} = \frac{1}{10} + \frac{1}{10} + \frac{2}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{2}{10} + \frac{1}{10} = \frac{10}{10} = 1$$

अतः वे कार्य को 8 दिनों में पूरा करेंगे।

अतः विकल्प C सही उत्तर है।

66. D

Sol. प्रारंभिक अनुपात = 5 : 6 : 7 = 5x : 6x : 7x

प्रश्नानुसार:

$$(6x - 400)/(7x + 400) = \frac{3}{4}$$

$$24x - 1600 = 21x + 1200$$

$$3x = 2800$$

$$X = 2800/3$$

$$\therefore \text{अभीष्ट योग} = 5x + 7x = 12x = 12(2800/3) = 11200$$

अतः विकल्प D सही उत्तर है।

67. C

$$\text{Sol. } 5\frac{5}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{3}{2} - \frac{1}{5} - \frac{1}{3} \right) \right\} \right]$$

$$= \frac{145+5}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{45-6-10}{30} \right) \right\} \right]$$

$$= \frac{150}{29} - \left[\frac{15}{4} \div \left\{ \frac{3}{4} \times \left(\frac{29}{30} \right) \right\} \right]$$

$$= \frac{150}{29} - \left[\frac{15}{4} \div \frac{29}{40} \right]$$

$$= \frac{150}{29} - \frac{150}{29} = 0$$

अतः विकल्प C सही उत्तर है।

68. D

Sol. माना, छठवें महीने की बिक्री = x

6 महीने की कुल बिक्री = औसत × महीनों की संख्या

$$\Rightarrow \text{कुल बिक्री} = 10500 \times 6 = 63000$$

$$\Rightarrow 10435 + 9927 + 10855 + 10230 + 9562 + x = 63000$$

$$\Rightarrow x = 63000 - 51009 = 11991$$

अतः विकल्प D सही उत्तर है।

69. A

Sol. माना B उसी कार्य को x दिनों में कर सकता है

प्रश्नानुसार,

$$\frac{1}{30} + \frac{1}{x} = \frac{1}{20}$$

$$\Rightarrow \frac{1}{x} = \frac{1}{20} - \frac{1}{30}$$

$$\Rightarrow \frac{1}{x} = \frac{3-2}{60} = \frac{1}{60}$$

$$\Rightarrow x = 60 \text{ दिनों}$$

अतः विकल्प A सही उत्तर है।

70. D

Sol. माना A की आय $3x$ है तो B की आय = $4x$

साथ ही, A का व्यय $9y$ हो तो B का व्यय = $5y$

प्रश्नानुसार,

$$3x = 3 \times 5y \Rightarrow x = 5y$$

$$\text{अतः, } A \text{ की बचत} = (3 \times 5y) - 9y = 6y$$

$$\text{तथा } B \text{ की बचत} = (4 \times 5y) - 5y = 15y$$

$$\text{अनुपात} = 6y : 15y = 2 : 5$$

अतः विकल्प D सही उत्तर है।

71. C

Sol. माना हॉल की ऊंचाई h है।

प्रश्नानुसार,

$$2 \times 18 \times 12 = 2 \times (18h + 12h)$$

$$\Rightarrow 30h = 216$$

$$\Rightarrow h = 7.2 \text{ मी}$$

$$\text{हॉल का आयतन} = 18 \times 12 \times 7.2 = 1555.2 \text{ m}^3$$

अतः विकल्प C सही उत्तर है।

72. A

Sol. 8, 12, 30, 36 और 45 का LCM = $8 \times 9 \times 5 = 2^3 \times 3^2 \times 5$

चूंकि यह पूर्ण वर्ग है इसलिए गुणनखंडों में सम घात होनी चाहिए

$$\text{अतः संख्या होगी } 2^3 \times 3^2 \times 5 \times 2 \times 5 = 3600$$

अतः विकल्प A सही उत्तर है।

73. A

Sol. माना वृत्त की तिरज्या r मीटर

प्रश्नानुसार,

बाड़ लगाने की लागत = 2420

$$\Rightarrow 2\pi r \times 11 = 2420$$

$$\Rightarrow 2 \times \frac{22}{7} \times r = 220$$

$$\Rightarrow r = 35 \text{ मी}$$

$$\text{क्षेत्र का क्षेत्रफल} = \pi r^2 = \frac{22}{7} \times 35 \times 35 = 3850 \text{ मी}^2$$

अतः विकल्प A सही उत्तर है।

74. A

Sol. दिया है:

$$\text{दूरी} = 900 \text{ मी} = 0.9 \text{ किमी}$$

$$\text{समय} = 6 \text{ मिनट} = \frac{6}{60} \text{ घंटे} = 0.1 \text{ घंटे}$$

$$\text{गति} = \frac{\text{दूरी}}{\text{समय}} = \frac{0.9}{0.1} = 9 \text{ किमी/घंटा}$$

अतः विकल्प A सही उत्तर है।

75. C

Sol. 1.5 वर्षों के लिए साधारण ब्याज = 15% of 10000 = $10000 \times \left(\frac{15}{100}\right) = 1500$

1.5 वर्षों के बाद की राशि जब चक्रवृद्धि ब्याज 6 मासिक होती है

$$= 10000 \times \left(1 + \frac{5}{100}\right)^3 = 10000 \times \left(\frac{105}{100}\right)^3$$

$$= 10000 \times \left(\frac{21}{20}\right)^3 = 11576.25$$

$$\text{इसलिए, ब्याज} = 11576.25 - 10000 = 1576.25$$

$$\text{अंतर} = 1576.25 - 1500 = 76.25$$

अतः विकल्प C सही उत्तर है।

76. B

Sol. • दक्षिण एशियाई क्षेत्रीय सहयोग संघ (सार्क) की स्थापना 1985 में हुई थी।

• यह दक्षिण एशिया में राज्यों का क्षेत्रीय अंतर सरकारी संगठन और भू-राजनीतिक संघ है।

• इसमें विश्व के क्षेत्रफल का 3% और विश्व की जनसंख्या का 21% भाग शामिल है।

• इसके सदस्य देश हैं अफगानिस्तान, बांग्लादेश, भूटान, भारत, मालदीव, नेपाल, पाकिस्तान और श्रीलंका।

• इसकी स्थापना 8 दिसंबर 1985 को ढाका में हुई थी और इसका सचिवालय काठमांडू, नेपाल में स्थित है।

• यह दक्षिण एशिया के लोगों के कल्याण, आर्थिक और क्षेत्रीय एकीकरण के विकास को बढ़ावा देता है।

77. B

Sol. • मैग्नीशियम में अयस्क के रूप में कीसेराइट (Kieserite) होता है।

• कीसेराइट एक मैग्नीशियम सल्फेट खनिज है और इसका नाम डिट्रिच जॉर्ज वॉन कीसर के नाम पर रखा गया है।

• इसकी कठोरता 3.5 है और मोनोक्लिनिक क्रिस्टल प्रणाली में क्रिस्टलीकृत होती है।

• इसमें कांच की चमक होती है और यह रंगहीन, भूरा-सफेद या पीले रंग का होता है।

• यह समुद्री वाष्पीकरण में होता है और शायद ही कभी ज्वालामुखीय वातावरण में एक उदात्तीकरण बनाने की क्रिया के रूप में होता है।

• मैग्नीशियम एक खनिज है जो शरीर में सामान्य हड्डी संरचना के लिए महत्वपूर्ण है।

• यह समुद्री जल में घुलने वाला तीसरा सबसे प्रचुर तत्व है।

78. C

Sol. • मकेमेक हमारे सौर मंडल का एक बौना ग्रह है।

• इसकी खोज 31 मार्च, 2005 को माइकल ई. ब्राउन के नेतृत्व वाली एक टीम ने की थी।

• यूरोपा बृहस्पति की परिक्रमा करने वाले चार गैलीलियन चंद्रमाओं में सबसे छोटा है।

• यह सौर मंडल का छठा सबसे बड़ा चंद्रमा भी है और इसकी खोज 1610 में गैलीलियो गैलीली ने की थी।

• कैलिस्टो बृहस्पति का दूसरा सबसे बड़ा चंद्रमा और सौर मंडल में तीसरा सबसे बड़ा चंद्रमा है।

- इसका वातावरण बहुत पतला है, जो मुख्य रूप से ऑक्सीजन से बना है।

- गैनीमेड सौर मंडल के चंद्रमाओं में सबसे बड़ा और सबसे विशाल है।

79. D

Sol. ● 'टोकामक' नामक उपकरण परमाणु ईंधन से जुड़ा है।

- टोकामक एक ऐसा उपकरण है जो प्लाज्मा को टोरस के आकार में सीमित करने के लिए एक शक्तिशाली चुंबकीय क्षेत्र का उपयोग करता है।

- पहला टोकामक, जिसे टी-1 (T-1) कहा जाता है, 1958 में रूस में परिचालन में आया।

- इसे अब दुनिया की सबसे होनहार चुंबकीय संलयन मशीन के रूप में देखा जा रहा है।

- यह बिजली के सबसे शक्तिशाली बोल्ट के बराबर विद्युत धाराओं के साथ प्लाज्मा धाराओं को बनाए रख सकता है।

- परमाणु ऊर्जा परमाणुओं द्वारा वहन की जाने वाली ऊर्जा है और यह परमाणु ऊर्जा का स्रोत है।

80. C

Sol. ● कमलनाथ 16वीं लोकसभा के प्रोटेम (अस्थायी) स्पीकर थे।

- वह लोकसभा के सबसे लंबे समय तक सेवा करने वाले और सबसे वरिष्ठ सदस्यों में से एक हैं।

- उन्हें 16वीं लोकसभा के प्रोटेम स्पीकर के रूप में नियुक्त किया गया था।

- मीरा कुमार ने 2009 से 2014 तक लोकसभा के 15वें अध्यक्ष के रूप में कार्य किया।

- वह लोकसभा की पहली महिला स्पीकर के रूप में चुनी गई।

- मनोहर पर्रिकर ने 14 मार्च 2017 से अपनी मृत्यु तक गोवा के मुख्यमंत्री के रूप में कार्य किया।

- उन्हें जनवरी 2020 में मरणोपरांत पद्म भूषण से सम्मानित किया गया था।

81. C

Sol. ● सस्थामकोट्टा झील केरल में स्थित है।

- यह केरल की सबसे बड़ी ताजे पानी की झील है और इसका नाम इसके तट पर स्थित प्राचीन सस्था मंदिर के नाम पर रखा गया है।

- यह नवंबर 2002 से रामसर कन्वेंशन के तहत अंतर्राष्ट्रीय महत्व की एक निर्दिष्ट आदर्शभूमि है।

- सांडी पक्षी अभयारण्य उत्तर प्रदेश के हरदोई जिले में एक मीठे पानी का दलदल है।

- होकेरा वेटलैंड को कश्मीर की रानी वेटलैंड के रूप में भी जाना जाता है।
- नंदुर माधमेश्वर को रामसर साइट के रूप में नामित किया गया है और यह महाराष्ट्र की पहली रामसर साइट है।

82. C

- Sol. • प्रयदर्शिनी गोविंद, जिन्हें 2019 में संगीत अकादमी द्वारा 'नृत्य कलानिधि' की उपाधि से सम्मानित किया गया था, एक प्रसिद्ध कुचिपुड़ी नर्तकी हैं।
- वह वर्तमान पीढ़ी के बीच सबसे अग्रणी भरतनाट्यम नर्तकियों में से एक हैं।
 - कुचिपुड़ी दक्षिण-पूर्व भारतीय राज्य आंध्र प्रदेश का शास्त्रीय नृत्य है।
 - यह अपने प्रभावशाली, त्वरित फुटवर्क, नाटकीय चरित्र चित्रण, अभिव्यंजक नेत्र गति और उत्साही कथा के लिए जाना जाता है।
 - कथकली केरल के मलयालम भाषी दक्षिण-पश्चिमी क्षेत्र में एक प्रदर्शन कला है।
 - भरतनाट्यम दक्षिण भारत में सबसे पुराना भारतीय शास्त्रीय नृत्य है।

83. A

- Sol. • पाकिस्तान ने सिंधु नदी पर 'डायमर भाषा' बांध नाम से एक बांध का निर्माण किया।
- डायमर-भाषा बांध कंक्रीट से निर्मित गुरुत्वाकर्षण बांध है।
 - इसकी आधारशिला 1998 में पाकिस्तान के तत्कालीन प्रधान मंत्री द्वारा रखी गई थी।
 - सिंधु एशिया की एक सीमा पार नदी और दक्षिण और मध्य एशिया की एक सीमा पार-हिमालयी नदी है।
 - सतलुज सिंधु नदी की सबसे पूर्वी सहायक नदी है और इसे सतदरी के नाम से भी जाना जाता है।
 - चिनाब नदी एक प्रमुख नदी है जो भारत और पाकिस्तान में बहती है।

84. D

- Sol. • डकवर्थ-लुईस-स्टर्न पद्धति का संबंध क्रिकेट से है।
- यह एक गणितीय सूत्रीकरण है जिसे मौसम या अन्य परिस्थितियों से बाधित सीमित ओवरों के क्रिकेट मैच में दूसरे स्थान पर बल्लेबाजी करने वाली टीम के लक्ष्य स्कोर की गणना के लिए डिज़ाइन किया गया है।
 - यह दो अंग्रेजी सांख्यिकीविदों, फर्नैंक डकवर्थ और टोनी लुईस द्वारा तैयार किया गया था।
 - इसे 1997 में पेश किया गया था और इसे 1999 में आईसीसी (ICC) द्वारा आधिकारिक रूप से अपनाया गया था।

- यह दूसरी टीम की पारी के लिए सांख्यिकीय रूप से उचित लक्ष्य निर्धारित करने की एक विधि है, जो मूल लक्ष्य के समान ही कठिन हो।

- इसका पहली बार अंतर्राष्ट्रीय क्रिकेट में 1 जनवरी 1997 को इस्तेमाल किया गया था।

85. B

Sol. • हल्दीघाटी का युद्ध अकबर द्वारा लड़े गए अन्य युद्धों की तुलना में नवीनतम था।

- यह 18 जून 1576 को महाराणा प्रताप की सेनाओं और मुगल सम्राट अकबर की सेनाओं के बीच लड़ा गया युद्ध था।

- तुकाराई का युद्ध मुगल साम्राज्य और बंगाल सल्तनत के बीच 3 मार्च 1575 को लड़ी गई थी।

- थानेसर का युद्ध 9 अप्रैल 1567 को सूर्य ग्रहण पवित्र स्नान मेले की पूर्व संध्या पर लड़ी गई थी।

- इसे तपस्वियों की लड़ाई के रूप में भी जाना जाता है।

- पानीपत की दूसरी लड़ाई 5 नवंबर 1556 को हेमू और अकबर के बीच लड़ी गई थी।

86. B

Sol. • हड्ड्या सभ्यता का चन्हूदड़ो स्थल पाकिस्तान में स्थित नहीं है।

- यह सिंधु घाटी सभ्यता से संबंधित एक पुरातात्त्विक स्थल है।

- यह 4000 से 1700 ईसा पूर्व के बीच बसा हुआ था और इसे कारेलियन मोतियों के निर्माण का केंद्र माना जाता है।

- शॉर्टघई को सिंधु घाटी सभ्यता की सबसे उत्तरी बस्ती माना जाता है।

- बालाकोट कुन्हर नदी के दाहिने किनारे पर स्थित है।

- कोट दीजी सिंध, पाकिस्तान में एक प्राचीन पुरातात्त्विक स्थान था और यह सिंधु घाटी सभ्यता का अग्रदृत था।

87. D

Sol. • असंतृप्त कार्बन यौगिक पीले रंग की कालिख की लौ से जलते हैं।

- वे हाइड्रोकार्बन हैं जिनमें आसन्न कार्बन परमाणुओं के बीच दोहरे या तिहरे सहसंयोजक बंधन होते हैं।

- वे ज्यादातर प्रतिक्रियाशील होते हैं और सुगंधित यौगिकों को छोड़कर उनके कई बंधनों में कई प्रतिक्रियाएं होती हैं।

- वे पूरी तरह से नहीं जलते हैं और बिना जले या आंशिक रूप से जले हुए कार्बन कणों के साथ एक लौ देते हैं।

- पीली ज्वाला एक असंतृप्त हाइड्रोकार्बन के अधूरे दहन के कारण उत्पन्न गर्म असंतृप्त कार्बन कणों की चमक के कारण होती है।

88. D

Sol. • 'योशांग' नामक त्योहार पारंपरिक रूप से मणिपुर में मनाया जाता है।

- यह वसंत ऋतु में पांच दिनों तक मनाया जाने वाला त्योहार है, जो लमदा महीने की पूर्णिमा के दिन से शुरू होता है।
- इसे मणिपुर में सबसे महत्वपूर्ण त्योहार माना जाता है और यह मैतेई लोगों की एक स्वदेशी परंपरा है।
- यह बच्चों, वयस्कों और सभी उम्र के लोगों के बीच प्यार के उत्सव का प्रतिनिधित्व करता है।
- यह गायन, नृत्य और कई अन्य पारंपरिक प्रदर्शनों के साथ मनाया जाता है।

89. A

Sol. • अमिताभ कांत सितंबर 2021 तक नीति आयोग के सीईओ हैं।

- वह नीति आयोग के दूसरे और वर्तमान मुख्य कार्यकारी अधिकारी हैं।
- उर्जित पटेल ने भारतीय रिजर्व बैंक के 24वें गवर्नर और भारतीय रिजर्व बैंक के डिप्टी गवर्नर के रूप में भी कार्य किया।
- वह आरबीआई के पहले गवर्नर थे जिन्होंने इस्तीफा देने के लिए व्यक्तिगत कारणों को एक प्रेरक कारक बताया।
- शक्तिकांत दास वर्तमान में भारतीय रिजर्व बैंक के 25वें गवर्नर के रूप में कार्यरत हैं।
- डॉ राजीव कुमार वर्तमान में नीति आयोग के उपाध्यक्ष हैं।

90. B

Sol. • इसका गलनांक कम होता है, ग्रेफाइट का गुण नहीं होता है।

- मानक परिस्थितियों में ग्रेफाइट कार्बन का सबसे स्थिर रूप है।
- यह एक विशिष्ट सामग्री है, जो धातु और अधातु दोनों के गुणों को प्रदर्शित करती है।
- यह गर्मी और बिजली का अच्छा संवाहक है और इसका उपयोग पेंसिल और स्नेहक में किया जाता है।
- यह कायांतरित और आग्नेय चट्टानों में पाया जाने वाला एक मूल तत्व खनिज है।
- यह इलेक्ट्रोड, बैटरी और सौर पैनल जैसे इलेक्ट्रॉनिक उत्पादों में उपयोगी है।

91. C

Sol. • राष्ट्रीय एकता परिषद की पहली बैठक 1951 में हुई थी।

- राष्ट्रीय एकता परिषद भारत में वरिष्ठ राजनेताओं और सार्वजनिक हस्तियों का एक समूह है।

- यह सांप्रदायिकता, जातिवाद और क्षेत्रवाद की समस्याओं के समाधान के तरीकों की तलाश करता है।
- इसकी शुरुआत सितंबर-अक्टूबर 1961 में प्रधान मंत्री जवाहरलाल नेहरू द्वारा बुलाई गई एक सम्मेलन में हुई थी।
- इसका गठन सांप्रदायिकता, जातिवाद, क्षेत्रवाद और भाषावाद की बुराइयों का मुकाबला करने के लिए किया गया था।

92. D

Sol. • ओडिशा के बरगढ़ जिले की धनु यात्रा भगवान कृष्ण के विष्णु अवतार को समर्पित है।

- यह एक वार्षिक नाटक-आधारित ओपन-एयर नाट्य प्रदर्शन है।
- यह दुनिया का सबसे बड़ा ओपन-एयर थिएटर है, जिसका नाम गिनीज बुक ऑफ वर्ल्ड रिकॉर्ड में दर्ज है।
- भगवान कृष्ण भारतीय देवताओं में सबसे लोकप्रिय और व्यापक रूप से पूजनीय हैं।
- यह सुरक्षा, करुणा, कोमलता और प्रेम के देवता हैं।
- भगवान राम हिंदू देवता विष्णु के सातवें अवतार हैं।

93. C

Sol. • आत्माराम पांडुरंग प्रार्थना समाज के संस्थापक थे।

- प्रार्थना समाज भारत के बॉम्बे में धार्मिक और सामाजिक सुधार के लिए एक आंदोलन था।
- इसका मुख्य उद्देश्य लोगों को एक ईश्वर में विश्वास करना और केवल एक ईश्वर की पूजा करना है।
- एमजी रानाडे भारतीय राष्ट्रीय कांग्रेस पार्टी के संस्थापक सदस्यों में से एक थे।
- ज्योतिबा फुले को महाराष्ट्र में समाज सुधार आंदोलन में एक महत्वपूर्ण व्यक्ति के रूप में माना जाता है।
- वह महिलाओं और निचली जातियों के लोगों को शिक्षित करने के अपने काम के लिए जाने जाते हैं।

94. A

Sol. • फिशिंग एक प्रकार की धोखाधड़ी है जिसमें अधिकृत बैंकिंग लेनदेन के दौरान डेबिट/क्रेडिट कार्ड की जानकारी चुराने के लिए एक छोटे इलेक्ट्रॉनिक उपकरण का उपयोग किया जाता है।

- यह साइबर अपराधियों द्वारा 2020 तक किया गया अब तक का सबसे आम हमला है।
- स्क्रिमिंग एक रणनीतिक, चयनात्मक पठन विधि है जिसमें आप किसी पाठ के मुख्य विचारों पर ध्यान केंद्रित करते हैं।
- स्क्रिमिंग तीन प्रकार की होती है:

a) पूर्वावलोकन

b) सिंहावलोकन

c) समीक्षा

- स्मिशिंग फ़िशिंग का एक रूप है जो मोबाइल फोन को हमले के मंच के रूप में उपयोग करता है।
- विशिंग एक साइबर अपराध है जो पीड़ितों से व्यक्तिगत गोपनीय जानकारी चुराने के लिए फोन का उपयोग करता है।

95. B

Sol. • भारत सरकार द्वारा 1992 में केंद्र प्रायोजित योजना के रूप में 'हाथी परियोजना' शुरू की गई थी।

- इसे भारत सरकार के पर्यावरण और वन मंत्रालय द्वारा लॉन्च किया गया था।
- यह राज्यों द्वारा जंगली एशियाई हाथियों की मुक्त आबादी के लिए वन्यजीव प्रबंधन प्रयासों को वित्तीय और तकनीकी सहायता प्रदान करता है।
- इसका उद्देश्य हाथियों की आबादी को उनके प्राकृतिक आवासों, उनके आवासों और प्रवास गलियारों की रक्षा करके उनके प्राकृतिक आवास में लंबे समय तक जीवित रहना सुनिश्चित करना है।
- यह मानव-हाथी संघर्ष और पालतू हाथियों के कल्याण के मुद्दों को संबोधित करने का भी प्रयास करता है।

96. C

Sol. • पी चिंदंबरम 'स्पीकिंग ट्रूथ टू पावर: माई अल्टरनेटिव व्यू' नामक पुस्तक के लेखक हैं।

- वह कांग्रेस के नेतृत्व वाली सरकारों में विभिन्न मंत्री पदों पर अपनी सेवा के लिए जाने जाते थे।
- स्पीकिंग ट्रूथ टू पावर: माई अल्टरनेटिव व्यूबुक मोदी सरकार का एक आर्थिक रिपोर्ट कार्ड है।
- यह लघु निबंधों का एक संग्रह है जो 2017 में द इंडियन एक्सप्रेस के साप्ताहिक कॉलम में प्रकाशित हुआ था।
- सुब्रमण्यम स्वामी वर्तमान में एससीएमएस ग्रुप ऑफ इंस्टीट्यूशंस के बोर्ड ऑफ गवर्नर्स के अध्यक्ष के रूप में कार्यरत है।

97. C

Sol. • वन्यजीव संरक्षण के लिए 'अमृता देवी बिश्नोई राष्ट्रीय पुरस्कार' दिया जाता है।

- वन्यजीव संरक्षण के लिए पहला अमृता देवी बिश्नोई राष्ट्रीय पुरस्कार 11 सितंबर, 2001 को प्रदान किया गया था।
- इसे खेजड़ी के पेड़ को कटने से बचाने के लिए अमृता देवी और उनके अन्य रुद्धिवादी प्रतिनिधियों के योगदान की याद में बनाया गया है।

- यह वन्यजीव संरक्षण के क्षेत्र में महत्वपूर्ण और प्रमुख योगदान के लिए दिया जाता है।
- इसे अनुकरणीय साहस दिखाने या वन्यजीवों की सुरक्षा के लिए असाधारण कार्य करने के रूप में पहचाना जाता है।
- वन्यजीव संरक्षण पौधों और जानवरों की प्रजातियों और उनके आवासों की रक्षा करने की प्रथा है।

98. A

- Sol. • केंद्रीय खेल मंत्रालय ने खेलो इंडिया योजना के पहले चरण में आठ राज्यों में खेलो इंडिया स्टेट सेंटर ऑफ एक्सीलेंस (KISCE) स्थापित करने का निर्णय लिया है और आंध्र प्रदेश इन आठ राज्यों में से एक नहीं है।
- उन आठ राज्यों के नाम हैं नागालैंड, कर्नाटक, अरुणाचल प्रदेश, केरल, मणिपुर, मिजोरम, ओडिशा और तेलंगाना।
 - युवा और खेल मंत्रालय, केंद्र सरकार खेलो इंडिया योजना के तहत खेलो इंडिया स्टेट सेंटर ऑफ एक्सीलेंस की स्थापना करेगी।
 - खेलो इंडिया योजना खेल मंत्रालय की प्रमुख केंद्रीय क्षेत्र की योजना है।
 - इसका उद्देश्य देश में खेल संस्कृति को बढ़ावा देना और खेल उत्कृष्टता हासिल करना है।

99. B

- Sol. • प्रसिद्ध हास्य अभिनेता केन शिमुरा, जिनका मार्च 2020 में निधन हो गया, जापान के नागरिक थे।
- वह वायरस के लिए सकारात्मक परीक्षण करने वाले जापान में मनोरंजन की दुनिया के पहले प्रमुख व्यक्ति थे।
 - उन्होंने अपनी तड़क-भड़क वाली कॉमेडी और मजाकिया चेहरों से सभी पीढ़ियों के प्रशंसकों को आकर्षित किया।
 - उन्हें दिवंगत अमेरिकी हास्य अभिनेता जेरी लुईस के प्रशंसक के रूप में जाना जाता था और उन्होंने उनसे प्रेरणा ली थी।
 - जापान पूर्वी एशिया में एक द्वीप देश है और यह उत्तर पश्चिमी प्रशांत महासागर में स्थित है।
 - यह दुनिया का ग्यारहवां सबसे अधिक आबादी वाला देश है और सबसे घनी आबादी वाले और शहरीकृत देशों में से एक है।

100. A

- Sol. • एनपीसीआई मुख्य रूप से भारत में खुदरा भुगतान और निपटान प्रणाली के संचालन के लिए एक छत्र संगठन है।
- यह भारत सरकार के वित्त मंत्रालय के अधिकार क्षेत्र में है।
 - यह भारत में खुदरा भुगतान और निपटान प्रणाली के संचालन के लिए आरबीआई द्वारा बनाया गया था।
 - नाबांड भारत में क्षेत्रीय ग्रामीण बैंकों और शीर्ष सहकारी बैंकों के समग्र विनियमन के लिए एक शीर्ष नियामक निकाय है।
 - सिडबी भारत में सूक्ष्म, लघु और मध्यम उद्यम वित्त कंपनियों के समग्र लाइसेंस और विनियमन के लिए शीर्ष नियामक निकाय है।

- आईआरडीएआई (IRDAI) को भारत में बीमा और पुनर्बीमा उद्योगों को विनियमित और लाइसेंस देने का काम सौंपा गया है।