

Q:1 Five bells ring at the interval of 3, 5, 7, 8, and 10 seconds respectively. After first ring when will they rang together?

1. 12 min
2. 14 min
3. 16 min
4. 18 min

Q:2 The ratio of the ages of Sanjay and Leela is 3 : 4 and the ratio of the ages of Leela and Bhansali is 1 : 3. If the product of the ages of Sanjay and Leela is 8 times the age of Bhansali's age, find the age of Leela.

1. 28
2. 12
3. 16
4. 32

Q:3 A copper wire is bent to form a rectangle of length 12 cm and breadth 10 cm. If the copper wire is rebent to form a semicircle, then its radius will be?

1. 8.56 cm
2. 9.24 cm
3. 7.89 cm
4. 6.33 cm

Q:4 What will come in place of question mark (?) in the following question?

20% of 36 + 40% of 60 = ?

1. 32.1
2. 35.1
3. 31.2
4. 25.7

Q:5 Two pipes A and B alone can fill an empty tank in 20 min and 24 min respectively. Two pipes are opened simultaneously, and pipe B is closed after some time. After how many minutes pipe B is closed if the tank was filled in 15 minutes?

1. 12 minutes
2. 18 minutes
3. 6 minutes
4. 9 minutes

Q:6 If the difference between compound interest and simple interest at 19% on a sum of money for two years (compounded annually) is Rs. 577.6, then



the compound interest (in Rs.) is:

1. 5676
2. 6657.5
3. 4567
4. 5546.6

Q:7 If a 5 digit number 512xy is divisible by 3, 7 and 11. Find the value of $(x^2 + 10y + xy)$.

1. 10
2. 11
3. 100
4. 12

Q:8 A train of length 200 m can cross an electric pole in 10 s. Find the time taken to cross a bridge of length 800 m.

1. 40 s
2. 50 s
3. 5 min
4. 2 min

Q:9 ABC is a triangle with sides of 6 cm, 4 cm, and 6 cm. D, E, and F are the midpoints of the sides AB, BC, and AC respectively. What is the area of the triangle DEF (in cm^2)?

1. 2
2. 22
3. 42
4. 82

Q:10 Jerry had 20 paise, 50 paise and 1 rupee coins in the ratio of 20 : 16 : 18 respectively. After giving Rs 40 to his wife he has Rs 80. How many 50 paise coins he had in the beginning?

1. 64
2. 75
3. 73
4. 80

Q:11 The expenditure of Raman in the month of December was 80% of the income. In the month of January the income increases by 25% and the share of expenditure remain the same. What is the percentage increase in the savings from December to January?

1. 20%
2. 25%
3. 10%

4. 12.5%

Q:12 A boat goes at a speed of 30 kmph in still water. If the speed of the current is 5 kmph. What time will it take to travel 50 km upstream and then 70 km downstream?

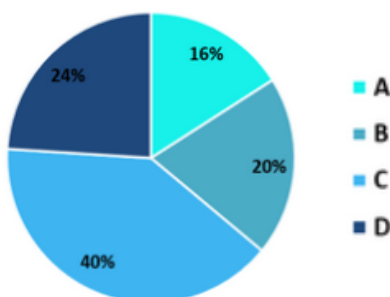
1. 5 hours
2. 3 hours
3. 4 hours
4. 2 hours

Q:13 If $(a^2 + b^2 + c^2) = 70$ and $(ab + bc + ca) = 63$. What is the value of $\frac{\sqrt{9(a+b+c)^2}}{(ab+bc+ca)}$?

1. $77/3$
2. $12/9$
3. $28/3$
4. $88/3$

Direction(14 - 15): 4 workers A, B, C and D together work to finish a project and the below pie chart shows the percentage total wages received by 4 workers for that work. Study the chart carefully and answer the questions that follow. Total wages are Rs. 7500.

Percentage of total wages received



Q:14 Find the time in which C will complete the work alone, if D alone can complete the work in 20 days.

1. 15 days
2. 10 days

3. 12 days

4. 18 days

Q:15 Find the ratio of time in which A, B, C and D will finish the work individually.

1. 6 : 10 : 5 : 4

2. 15 : 12 : 6 : 10



3. 24 : 15 : 30 : 10

4. 5 : 4 : 2 : 3

Q:16 If $\{x \times (\sin(-30^\circ) + \csc(-90)^\circ)\} = -\{(\cos^{221}^\circ + \cos^{269}^\circ)\} \over 2(1 + \cot^{270}^\circ) \times \csc^{270}^\circ$, find x.

1. - 1

2. 0

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

4. $\frac{1}{3}$

Q:17 In a right angled triangle, perpendicular sides are 45cm & 60cm. Find the longest altitude to the side.

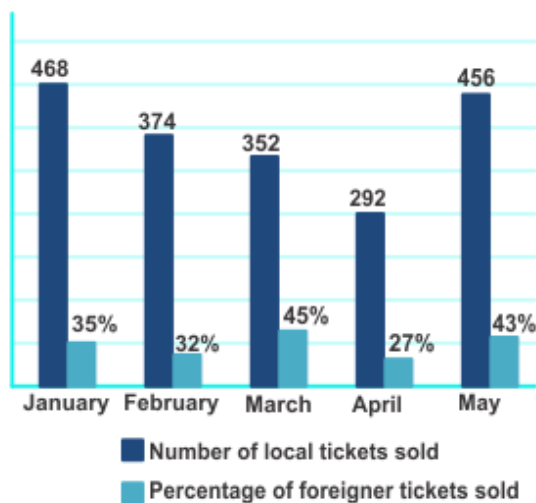
1. 48cm

2. 45cm

3. 60cm

4. 30cm

Direction(18 - 19): In a museum, only 2 types of tickets are sold: Local and Foreigner. The bar graph below shows the number of local tickets sold and percentage of foreigner tickets sold in 5 different months: January, February, March, April and May. Study the graph carefully and answer the question that follows.



Q:18 Find the ratio of the number of foreigner tickets sold in February to those sold in March.

1. 5 : 9

2. 2 : 3



3. 11 : 18

4. 13 : 18

Q:19 Total number of tickets sold in January is what percentage more than the total number tickets sold in April?

1. 85%

2. 70%

3. 60%

4. 80%

Q:20 What is the maximum value of the following trigonometric expression?

$$4 \sin^2 x - 4 \sin^4 x - 1$$

1. 0

2. 1

3. 2

4. 3

Q:21 The average marks in Physics class are 80 while the average marks in Chemistry class are 90. The combined average of both classes is 83. There are 30 chemistry students in total. What would be the combined average of 10 physics students with an average of 78 marks left in the class?

1. 83.5

2. 85.2

3. 86.6

4. 81.4

Q:22 Two partners Pankaj and Deepak start a business with an investment of 15000 and 14000. After 4 months two other partners Pinku and Pitamber join them with an investment of 18000 and 20000. If the total profit is 81500 at the end of the year. Find the profit of Pankaj. (In rupees)

1. 20400

2. 32500
3. 16800
4. 22500

Q:23 A shopkeeper gives two types of discounts to the customer. One successive discount of 30% and 20% and another discount is 50%. What is the difference in percentage points between the two types of discount?

1. 4%
2. 6%
3. 8%



4. 10%

Q:24 The shadow of a flag pole makes an angle of 60° with the ground. Find the length of the shadow if the length of the flag pole is 153 meters.

1. 153 m
2. 15 m
3. 303 m
4. 30 m

Q:25 If the simple interest earned on the principal amount of Rs 2400 for 4 years is Rs 600. Find the rate of interest.

1. 12.5%
2. 4%
3. 6.25%
4. 8%

Q:26 Find the missing number in the series:

79, 78.5, ?, 74.5, 71, 66.5

1. 79
2. 77
3. 77.5
4. 76

Q:27 Arrange in dictionary order-

1. Obsessed
2. Oblivion
3. Obviously
4. Obeyed

5. Observed

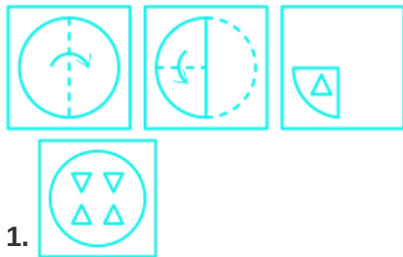
1. 4 5 1 3 2

2. 4 2 5 1 3

3. 5 3 1 4 2

4. 5 1 4 3 2

Q:28 If a piece of paper is folded and cut as shown below, how will it appear after unfolding it?





Q:29 Find the number which is similar to the given number.

(3, 9, 27)

1. (4, 67, 80)
2. (2, 4, 800)
3. (1, 1, 700)
4. (5, 25, 625)

Q:30 Direction: In the following question, there is a certain relationship between given pairs on both sides of ':' . One word/letter/number is given on another side of ':' while another word/letter/number is to be found from the given options, having the same relation with this word as the words of the given pair. Choose the correct word/number/letter from the following options.

FVI : LTO :: GZW : ? :: EDQ : KBW

1. MXC
2. KXC
3. MJK
4. DXC

Q:31 Find the odd letters from the given alternatives.

1. RNKI
2. UQNL

3. TPKH

4. KGDB

Q:32 Select the number from among the given options that can replace the question mark (?) in the following series.

18, 97, 496, 2493, ?

1. 12482

2. 12489

3. 12479



4. 12488

Q:33 Complete the following series.

101B, 202D, 303F, 404H, 505A, ?

1. 606J

2. 606L

3. 606C

4. 606E

Q:34 Direction: Three statements are given followed by three conclusions numbered I, II, and III. 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:

I. All sky is water.

II. Some blue is the sky.

III. All fire is the sky.

Conclusions:

I. All fire is water.

II. Some blue is fire.

III. Some fire is water.

1. Only I and II follow

2. Only I and III follow

3. Only II and III follow.

4. None of these

Q:35 Find the missing number in the given matrix.

8	44	3
6	28	1
4	?	4

1. 121
2. 169
3. 144
4. 256

Q:36 How many triangles are present in the following figure?



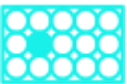
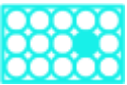
1. 14
2. 13
3. 15
4. 16

Q:37 In the following question, select the odd number from the given alternatives.

1. 361
2. 441
3. 784
4. 876

Q:38 Choose the image that will come next in the given series.

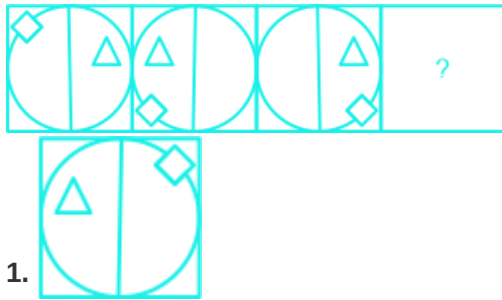


1. 
2. 
3. 
4. 

Q:39 If PARROT = 16, CREDIT= 14, then 'FETCH' will be equal to?

1. 6
2. 5
3. 9

4. 10

Q:40 Select an appropriate figure from the four options that would complete the figure.



2.



3.



4.

Q:41 Directions: Read the following information carefully to answer the question.

'A (4) B' means 'A is the brother of B'.

'A (9) B' means 'A is the sister of B'.

'A (5) B' means 'A is the mother of B'.

'A (6) B' means 'A is the father of B'.

'A (8) B' means 'A is the daughter of B'.

'A (7) B' means 'A is the son of B'.

In the following expression, select the option that can replace the question mark (?) to establish that 'X is the son of J'.

J ? P (9) X (7) T (6) R (5) V

1. (5)

2. (7)

3. (9)

4. (8)

Q:42 Select the option that is related to the third term in the same way as the second term is related to the first term.

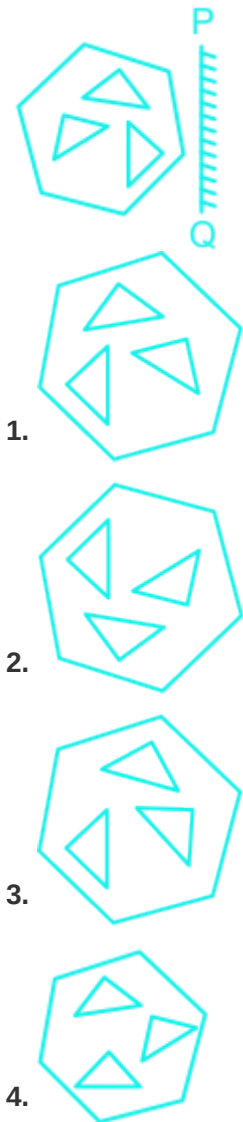
DGZC : FJAB :: BPAD : ?

1. DSBC

- 2. BDSB
- 3. CQBB
- 4. ABPQ

Q:43 If a mirror is placed on the line PQ, then which of the answer figures will be the right mirror image of the given figure?





Q:44 If (A @ B) means A is wife of B,

(A # B) means A is sister of B,

(A ! B) means A is father of B,

(A % B) means A is brother of B.

If $U @ S ! T \% Q @ R ! P$, then, which of the following statement is definitely correct?

1. T is sister of Q
2. U is father-in-law of R

3. P is son of Q

4. Q is mother of P

Q:45 In the following question, three statements are given below followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at



variance from commonly known facts. Read both conclusions and decide which of the given conclusions logically follows from the given statements.

Statements:

- I. Few letters are Words.
- II. No Phrase is Idiom.
- III. Some Phrases are Words.

Conclusions:

- I. All Words can never be Idioms.
 - II. Mostly words are Phrases.
- 1. Only conclusion I is true
 - 2. Only conclusion II is true
 - 3. Both conclusions I and II are true
 - 4. Either conclusion I or II is true

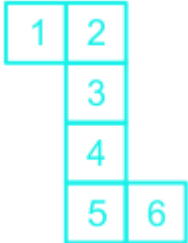
Q:46 A clock gains 10 minutes at the end of the first hour, 15 minutes at the end of the second hour, 20 minutes at the end of the third hour and so on. Find what time will the clock shows at 3:00 a.m. if it started to gain at midnight?

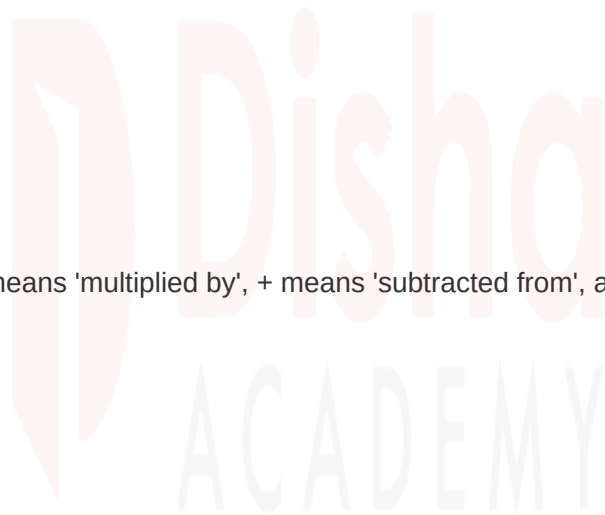
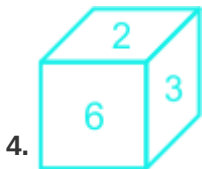
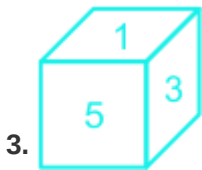
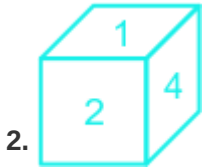
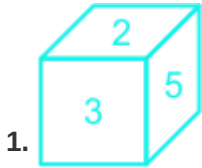
- 1. 3:15 am
- 2. 2:45 am
- 3. 1:45 am
- 4. 3:45 am

Q:47 If $Y = 50$, $TEA = 52$, then 'CATCH' will be equal to?

- 1. 100
- 2. 70
- 3. 90
- 4. 104

Q:48 From the given options, which answer figure can be formed by folding the figure given in the question?





Q:49 If $\times$ means 'added to', $\div$ means 'multiplied by', $+$ means 'subtracted from', and $-$ means 'divided by'. Then $36 + 48 - 12 \times 8 \div 4 = ?$

1. 89
2. 64
3. 15
4. -20

Q:50 Select the option that is related to the third word on the same basis as the second word is related to the first word.

Horse : Colt :: Fish :

1. Piglet
2. Tadpole
3. Cub
4. Fry

Q:51 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'.

The effect of pandemic may not be necessary the same for every citizen of the country.

1. might not be necessary
2. may not be necessarily
3. No Improvement
4. does not be necessarily



Q:52 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'.

Since he worked hard, he failed to crack the entrance examination.

1. As
2. When
3. No Improvement
4. Though

Q:53 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'.

The children of my locality like fishing and swimming.

1. to fish and swimming
2. to fishing and to swimming
3. No Improvement
4. fishing and to swim

Q:54 Fill in the blank with the most appropriate word.

India needs a sharp _____ of demand for which higher per capita incomes are necessary.

1. advance
2. appearance
3. incaation
4. revival

Q:55 Fill in the blank with the most appropriate word.

Several steps can be taken to _____ that people are not booked under laws held unconstitutional.

1. secure
2. ensure

3. establish

4. fortify

Q:56 Fill in the blank with the most appropriate word.

Nothing has changed in this country _____ I left it 15 years ago.

1. however

2. when

3. since



4. form

Q:57 Fill in the blank with the most appropriate word.

The sun _____ brightly in the moing.

1. shining
2. shines
3. shone
4. is shine

Q:58 Select the most appropriate meaning of the given idiom.

Carry out

1. Obey
2. Communicate
3. Execute
4. Modify

Q:59 Select the most appropriate meaning of the given idiom.

Field day

1. Now and then, occasionally
2. On the point of achievement
3. The hottest day of the summer season
4. An enjoyable day or circumstance

Q:60 Select the CORRECTLY spelt word.

1. Cunsiderate
2. Laudetory
3. Compatent

4. Imbecile

Q:61 Select the INCORRECTLY spelt word.

1. Ample
2. Absolve
3. Abscund
4. Affray

Q:62 Select the most appropriate SYNONYM of the given word.

Denigration

1. Depravity
2. Calumny
3. Repugnance
4. Estimation

Q:63 Select the most appropriate SYNONYM of the

given word.

Godawful

1. Lucid
2. Nasty
3. Regular
4. Voluntary

Q:64 Select the most appropriate ANTONYM of the given word.

Unsparing

1. Spendthrift
2. Surreptitious
3. Miser
4. Observation

Q:65 Select the most appropriate ANTONYM of the given word.

Irradiate

1. Slander
2. Bemoan
3. Darken
4. Befog

Q:66 Select the word which means the same as the group of words given.

A person who has changed his faith

1. Fugitive
2. Apostate
3. Fatalist
4. Futurist

Q:67 Select the word which means the same as the group of words given.

The doctor who treats gums

1. Entomologist
2. Periodontist
3. Demagogue
4. Psephologist

Direction(68 - 72): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

If you do not like or cannot ____ (1) ____ aerobic exercise ____ (2) ____ some reason, try yoga to ____ (3) ____ brain health as scientists led by Indian-origin Neha Gothe have found ____ (4) ____ that yoga enhances many

of the same brain structures and functions that ____ (5) ____ from aerobic exercise.

Q:68 Select the most appropriate option to fill in blank No. 1

1. perform
2. performing
3. performed
4. performs

Q:69 Select the most appropriate option to fill in blank No. 2

1. by
2. for
3. from
4. of

Q:70 Select the most appropriate option to fill in blank No. 3

1. surpass
2. upgrade
3. improve
4. refine

Q:71 Select the most appropriate option to fill in blank No. 4

1. sign
2. declaration
3. claim
4. evidence

Q:72 Select the most appropriate option to fill in blank No. 5

1. benefit
2. has benefited
3. benefits
4. is benefiting

Q:73 Identify the segment in the sentence which contains the grammatical error.

Nobody in my family knows when will my brother be arriving at the station.

1. be arriving
2. Nobody in my family
3. at the station
4. knows when will my brother

Q:74 Identify the segment in the sentence which contains the grammatical error.

The final decision can be taken only after we analyse all the employees views.

1. be taken only
2. all the employees views
3. after we analyse
4. The final decision can

Q:75 Identify the segment in the sentence which contains the grammatical error.

The cabinet expansion in the middle of the Govement's second term have surprised many.

1. the middle of the Govement's
2. have surprised many
3. second term
4. The cabinet expansion in

Q:76 The second Phase of the Sari Festival "VIRAASAT" began at which place?

1. Lucknow
2. Jaipur
3. Gorakhpur
4. New Delhi

Q:77 Which of the following is a heritage site of Madhya Pradesh?

1. Hampi
2. Sasaram
3. Bhimbetka
4. Lepakshi

Q:78 Who led the Revolt of 1857 in Faizabad?

Date : 10th August 2023**Weekly SSC Mock Test -****English**

1. Maulvi Ahmadullah
2. Azimullah Khan
3. Mohammad Khan
4. Maulvi Liyakat Ali

Q:79 Which Delhi Sultan introduced the Chehra and Dagh system?

1. Iltutmish
2. Balban
3. Firoz Shah Tughlaq
4. Alauddin Khilji

Q:80 Which of the following is a Monosaccharide?

1. Glycogen

2. Galactose
3. Maltose
4. Sucrose

Q:81 In August 1858, the British parliament passed an act that set an end to the rule of the company. It was called _____.

1. Govement of India Act
2. Indian Trusts Act
3. Kazis Act
4. Fort William Act

Q:82 Which canal provides the shortest sea link between Europe and Asia, by connecting the Mediterranean Sea to the Red Sea?

1. Suez Canal
2. Panama Canal
3. Corinth Canal
4. Kiel Canal

Q:83 Lucifer is another name for the planet _____.

1. Jupiter
2. Satu
3. Venus
4. Mars

Q:84 Which of the following books is authored by Sanjaya Baru?

1. The Paradoxical Prime Minister
2. Inglorious Empire

3. The Accidental Prime Minister

4. Nehru: The Invention of India

Q:85 Halogens contain.....

1. 2 gases,two liquids and 1 solid
2. 2 gases and 3 solids
3. 2 gases,one liquid and 2 solids
4. 3 gases and 3 solids

Q:86 Who won the 72nd Inter Services Volleyball Championship 2022-23?

1. Army Red Team
2. Railway
3. Army Blue Team
4. CAPF

Q:87 The aggregate value of goods and services produced in an economy can be calculated by three methods: income method, expenditure method and _____ method.

1. product/ value added
2. spending
3. deposit
4. lending

Q:88 The Parliament has been given the power to make laws regarding citizenship under which article of the Constitution of India?

1. Article 5
2. Article 7
3. Article 9
4. Article 11

Q:89 Who among the following is a Sahitya Akademi Awardee in the field of Hindi literature?

1. Amrita Pritam
2. Kaifi Azmi
3. Ghulam Nabi Firaq
4. Harivansh Rai Bachchan

Q:90 Which of the following is also known as carborundum?

1. Silicon carbide
2. Tungsten carbide
3. Gallium nitride
4. Aluminium oxide

Q:91 Who was appointed as Assembly's Constitutional Adviser in 1946 during the framing of the Indian Constitution?

1. B.N. Rau
2. B.R. Ambedkar
3. Gopalswami Ayengar
4. K.M. Munshi

Q:92 The mixed economy is:

1. co-existence of traditional and modern industries
2. presence of subsistence and commercial farming
3. presence of domestic and foreign investments
4. a market system of resource allocation, commerce, and trade in which free markets

coexist with government intervention

Q:93 What is the height of Nanga Parbat?

1. 8611 m
2. 7816 m
3. 8586 m
4. 8126 m

Q:94 The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, _____.

1. Banabhatta
2. Kampan
3. Dandin
4. Jinsena

Q:95 Who was honoured with the Economic Times Inspiring Leaders Award - 2022?

1. Ramesh Kumar
2. AP Shreethar
3. Daksh Kumar
4. Ravish Kumar

Q:96 Padma Bhushan awardee Uma Sharma is a _____ dancer.

1. Bharatanatyam
2. Odissi
3. Kathakali
4. Kathak

Q:97 With which sport is Archana Kamath associated?

1. Badminton
2. Lawn Tennis
3. Table Tennis
4. Squash

Q:98 Who inaugurated Dr. Syama Prasad Mookerjee National Institute of Water and Sanitation?

1. Amit Shah
2. Jitendra Singh
3. Mamta Benarjee
4. Narendra Modi

Q:99 Which state does not share its boundary with Myanmar?

Date : 10th August 2023

Weekly SSC Mock Test -

English

1. Arunachal Pradesh
2. Mizoram
3. Manipur
4. Sikkim

Q:100 Who became Brazil's President for the 3rd time in January 2023?

1. Lula Da Silva
2. Bolsonaro
3. Melisha Popetta
4. Natasha Kerra

Answer Key

1. (2)	2. (4)	3. (1)	4. (3)	5. (4)
6. (2)	7. (1)	8. (2)	9. (2)	10. (1)
11. (2)	12. (3)	13. (3)	14. (3)	15. (2)
16. (4)	17. (3)	18. (3)	19. (4)	20. (1)
21. (1)	22. (4)	23. (2)	24. (2)	25. (3)
26. (2)	27. (2)	28. (1)	29. (4)	30. (1)
31. (3)	32. (1)	33. (3)	34. (2)	35. (4)
36. (3)	37. (4)	38. (1)	39. (2)	40. (1)
41. (1)	42. (1)	43. (1)	44. (4)	45. (3)
46. (4)	47. (2)	48. (4)	49. (2)	50. (4)
51. (2)	52. (4)	53. (3)	54. (4)	55. (2)
56. (3)	57. (2)	58. (3)	59. (4)	60. (4)
61. (3)	62. (2)	63. (2)	64. (3)	65. (3)
66. (2)	67. (2)	68. (1)	69. (2)	70. (3)
71. (4)	72. (1)	73. (4)	74. (2)	75. (2)
76. (4)	77. (3)	78. (1)	79. (4)	80. (2)
81. (1)	82. (1)	83. (3)	84. (3)	85. (3)
86. (1)	87. (1)	88. (4)	89. (4)	90. (1)
91. (1)	92. (4)	93. (4)	94. (1)	95. (2)
96. (4)	97. (3)	98. (4)	99. (4)	100. (1)

Answers and Solutions

Q:1 The correct answer is **option 2**, i.e 14 min.

LCM of 3, 5, 7, 8, 10

$$\begin{array}{r|l}
 2 & 3, 5, 7, 8, 10 \\
 5 & 3, 5, 7, 4, 5 \\
 7 & 3, 1, 7, 4, 1
 \end{array}$$

= 840

They will together ring at $=840/60 = 14$ min

Q:2 The correct answer is **option 4** i.e. **32**.

Sanjay : Leela = 3 : 4

Leela : Bhansali = 1 : 3

let Sanjay's age be $3x$ and Leela's age be $4x$

Bhansali's age is thrice Leela's age

ATQ,

$3x \times 4x = 8 \times \text{Bhansali's age}$

Bhansali's age is thrice Leela's age. Leela's age is $4x$, so Bhansali's age can be written as $3 \times 4x$ i.e. $12x$

$3x \times 4x = 8 \times 12x$

$12x^2 = 96x$

$12x = 96$

$$x = 8$$

$$\text{Hence Leela's age} = 4 \times 8$$

$$= 32 \text{ years}$$

Q:3 The correct answer is **Option 1** i.e. **8.56 cm**

Let us assume the radius of the semicircle be r

$$\text{Perimeter of the rectangle} = 2(12 + 10) = 44 \text{ cm}$$

$$\text{Circumference of the semicircle} = (\pi \times r) + 2r$$

$$44 = ((3.14 + 2) \times r)$$

$$r = 44/5.14 = 8.56 \text{ cm}$$

Q:4 The correct answer is **option 3** i.e. **31.2**.

$$20\% \text{ of } 36 + 40\% \text{ of } 60 = ?$$

$$20/100 \times 36 + 40/100 \times 60 = ?$$

$$7.2 + 24 = ?$$

$$? = 31.2$$

Q:5 The correct answer is **option 4** i.e. **9 minutes**.

Pipe A can empty the tank in = 20 minutes

Pipe B can empty the tank in = 24 minutes

$$\text{L.C.M}(20,24) = 120$$

$$\text{The efficiency of pipe A} = 120/20 = 6$$

$$\text{The efficiency of pipe B} = 120/24 = 5$$

Pipe A work for complete 15 minutes but pipe B work for $(15 - n)$ minutes

$$6 \times 15 + 5(15 - n) = 120$$

$$90 + 5(15 - n) = 120$$

$$5(15 - n) = 30$$

$$(15 - n) = 6$$

$$n = 9 \text{ minutes}$$

Q:6 The correct answer is **option 2** i.e **6657.5**.

$$CI - SI \text{ (for 2 years)} = P \times R^2/10000$$

$$\text{Compound interest} = P(1 + R/100)^T - P$$

$$577.6 = P \times 19^2/100$$

$$577.6 = P \times 361/10000$$

$$P = \text{Rs. } 16000$$

$$\text{Compound interest} = 16000(1 + 19/100)^2 - 16000$$

$$\text{Compound interest} = 16000(1.19)^2 - 16000 = 22657.6 - 16000 = \text{Rs. } 6657.6$$

Q:7 The correct answer is **option 1** i.e. **10**

Calculations:

If a number is divisible by 3, 7 and 11 then it is divisible by

$$3 \times 7 \times 11 = 231$$

In 512xy, let the value of x and y be 9

When 51299 is divided by 231 we get remainder = 17

Hence, the number that is divisible by 231 = $51299 - 17 = 51282$

Hence, the values of $x = 8$ and $y = 2$

Therefore, required value = $(8^2 + 10 \times 2 + 8 \times 2)$

$(64 + 20 + 16)$

$100 = 10$

Q:8 The correct answer is **option 2** i.e. **50 s**.

Speed = Distance/Time

Given,

Time = 10 s

Distance = 200 m

So,

Speed of the train = $200/10 = 20$ m/s

When cross a 800 m long bridge

Total Distance = Train length + Bridge length

$= 200 \text{ m} + 800 \text{ m} = 1000 \text{ m}$

Time taken to cross the bridge = Total distance/speed

$= (1000/20)\text{s} = 50 \text{ s}$

Q:9 The correct answer is **option 2** i.e. **22**

The triangle obtained by joining midpoints will be similar to the original triangle with their side equal to half of the sides of the original triangle.

Area of DEF = $1/4 \times$ Area of ABC

Area of ABC = $\{s(s - a)(s - b)(s - c)\}$

$s = (a + b + c)/2$

$$(6 + 4 + 6)/2 = 8 \text{ cm}$$

$$\{8 \times (8 - 6) \times (8 - 4) \times (8 - 6)\}$$

$$82$$

$$\text{Area of DEF} = 1/4 \times 82 = 22 \text{ cm}^2$$

Q:10 The correct answer is **Option 1** i.e. **64**.

$$\text{Total money with Jerry initially} = 40 + 80 = 120$$

$$\text{Ratio of coins} = 20 : 16 : 18 = 10 : 8 : 9$$

Let the number of 20 paise, 50 paise and 1 rupee coins be $10x$, $8x$ and $9x$ respectively.

$$\text{Then, } 10 \times 0.20x + 8 \times 0.50x + 9 \times 1x = 120 \text{ (Ratio } 20 : 16 : 18 = 10 : 8 : 9)$$

$$2x + 4x + 9x = 120$$

$$15x = 120$$

$$x = 8$$

$$\text{Hence Total 50 paise coins} = 8 \times 8 = 64$$

Q:11 The correct answer is **option 2** i.e. **25%**

Let the income of Raman in December be $100x$

$$\text{Savings} = 100x - 80x = 20x$$

$$\text{New income in January} = 100 \times 1.25 = 125x$$

$$\text{Expenditure in the month of January} = 80\% \text{ of } 125x$$

$$100x$$

$$\text{New savings} = 125 - 100 = 25x$$

$$\text{Percentage increase} = (25 - 20)/20 \times 100$$

$$25\% \text{ increase}$$

Q:12 The correct answer is **Option 3** i.e. **4 hours**

$$\text{Speed} = \text{Distance} \times \text{Time}$$

If the speed of boat or swimmer is x km/h and the speed of the stream is y km/h,

$$\text{then, speed of boat upstream} = (x - y) \text{ km/h}$$

$$\text{speed of boat downstream} = (x + y) \text{ km/h}$$

$$\text{The relative speed of the boat in upstream} = 30 - 5 = 25 \text{ kmph}$$

$$\text{distance} = 50 \text{ kms}$$

$$\text{time} = \text{distance/speed} = 50/25 = 2 \text{ hours}$$

$$\text{The relative speed in downstream} = 30 + 5 = 35 \text{ kmph}$$

$$\text{distance} = 70 \text{ kms}$$

$$\text{time} = 70/35 = 2 \text{ hours}$$

$$\text{total time} = 2 + 2 = 4 \text{ hours}$$

Q:13 The correct answer is **Option 3** i.e. **28/3**.

We know that

$$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$$

$$(a + b + c)^2 = 70 + 2 \times 63$$

$$(a + b + c)^2 = 70 + 126 = 196$$

$$(a + b + c) = \sqrt{196} = 14$$

$$\text{Value of } \frac{\sqrt{9(a+b+c)^2}}{(ab+bc+ca)} = \frac{3 \times 14 \times 14}{63} = 28/3$$

Q:14 The correct answer is **option 3** i.e. **12 days**

From the pie chart:

$$\text{Ratio of wages received by A, B, C and D} = 16 : 20 : 40 : 24 = 4 : 5 : 10 : 6$$

We know that the ratio of wages shared will be equal to the ratio of their efficiencies.

So,

$$\text{Ratio of efficiencies of C and D} = 10 : 6$$

Since, efficiency and time are inversely proportional:

Ratio of time in which C and D will finish the work working alone = 6 : 10

Now, D alone can complete the work in 20 days.

So,

Time taken by C to complete the work alone = $20 \times \frac{6}{10} = 12$ days

Q:15 The correct answer is **option 2** i.e. **15 : 12 : 6 : 10**

From the pie chart:

Ratio of wages received by A, B, C and D = 16 : 20 : 40 : 24 = 4 : 5 : 10 : 6

We know that the ratio of wages shared will be equal to the ratio of their efficiencies.

So,

The ratio of efficiencies of A, B, C and D = 4 : 5 : 10 : 6

Since efficiency and time are inversely proportional:

Ratio of time in which A, B, C and D will finish the work individually

= $\frac{1}{4} : \frac{1}{5} : \frac{1}{10} : \frac{1}{6}$

= 15 : 12 : 6 : 10

Q:16 The correct answer is **option 4** i.e. $\frac{1}{3}$

$$\{x \times (\sin(-30^\circ) + \csc(-90^\circ))\} = \}$$

$$\{ -\{(\cos^{221^\circ} + \cos^{269^\circ})\} \over 2(1 + \cot^{270^\circ}) \} \times \csc^{270^\circ}$$

$$\{x \times -\sin 30^\circ - \csc 90^\circ\} = \}$$

$$\{ -\{(\cos^{221^\circ} + \cos^2(90-21^\circ))\} \over 2 \csc^{270^\circ} \} \times \csc^{270^\circ}$$

$$\{x \times (-\frac{1}{2} - 1)\} = -\{(\cos^{221^\circ} + \sin^{221^\circ})\} \over 2$$

$$\{x \times (-\frac{1}{2} - 1)\} = -\frac{1}{2}$$

$$\{x \times -\frac{3}{2}\} = -\frac{1}{2}$$

$$x = \frac{1}{3}$$

Q:17 The correct answer is **option 3** i.e. **60cm**.

Geometry In any triangle, the longest altitude is drawn to the shortest side.

The longest altitude = x cm

Area of triangle = $\frac{1}{2} \times \text{altitude} \times \text{base}$

$$\frac{1}{2} \times x \times 45 = \frac{1}{2} \times 60 \times 45$$

$$x = 60 \text{ cm}$$



Q:18 The correct answer is **option 3** i.e. **11 : 18**

We can prepare the following table first:

ttt	ttt Total number of tickets sold	ttt Number of foreigner tickets sold
ttt	ttt	ttt
ttt January	ttt $468/0.65 = 720$	ttt $720 - 468 = 252$
ttt	ttt	ttt
ttt February	ttt $374/0.68 = 550$	ttt $550 - 374 = 176$
ttt	ttt	ttt
ttt March	ttt $352/0.55 = 640$	ttt $640 - 352 = 288$
ttt	ttt	ttt
ttt April	ttt $292/0.73 = 400$	ttt $400 - 292 = 108$
ttt	ttt	ttt
ttt May	ttt $456/0.57 = 800$	ttt $800 - 456 = 344$
ttt	ttt	ttt

Hence,

Required ratio = $176 : 288 = 11 : 18$

Q:19 The correct answer is **option 4** i.e. **80%**

We have:

ttt	ttt Total number of tickets sold	ttt Number of foreigner tickets sold
ttt	ttt	ttt

ttt January	ttt $468/0.65 = 720$	ttt $720 - 468 = 252$
ttt	ttt	ttt
ttt February	ttt $374/0.68 = 550$	ttt $550 - 374 = 176$
ttt	ttt	ttt
ttt March	ttt $352/0.55 = 640$	ttt $640 - 352 = 288$
ttt	ttt	ttt
ttt April	ttt $292/0.73 = 400$	ttt $400 - 292 = 108$
ttt	ttt	ttt
ttt May	ttt $456/0.57 = 800$	ttt $800 - 456 = 344$
ttt	ttt	ttt

So,

Required percentage = $\{(720 - 400)/400\} \times 100 = 80\%$

Q:20 The correct answer is **Option 1** i.e. **0**.

$$4 \sin^2 x - 4 \sin^4 x - 1 = 4 \sin^2 x (1 - \sin^2 x) - 1$$

$$4 \sin^2 x \cos^2 x - 1 \quad [\text{u2235 } 1 - \sin^2 A = \cos^2 A]$$

$$(2 \sin x \cos x)^2 - 1$$

$$\sin^2 (2x) - 1 \quad [\text{u2235 } \sin (2A) = 2 \sin A \cos A]$$

$$\text{Maximum value of } \sin^2 A = 1$$

$$\text{Maximum value of } \sin^2 (2x) - 1 = 1 - 1 = 0$$

Q:21 The correct answer is **option 1** i.e. **83.5**

Let, number of students in physics class = x

And, number of Students in chemistry class = y

The average of both the classes and combined average is given.

i.e.

$$(80x + 90y)/(x + y) = 83$$

$$80x + 90y = 83x + 83y$$

$$7y = 3x$$

Hence, ratio of Chemistry students to Physics students = 3 : 7

Now, there are 30 chemistry students.

$$\text{So, number of physics student} = 7/3 \times 30 = 70$$

Now, 10 physics students with average marks of 78 left the class.

$$\text{New average of physics students: } [(70 \times 80) - (10 \times 78)]/(70 - 10)$$

$$= (5600 - 780)/60 = 4820/60 = 80.33$$

Now, new combined average of class:

$$[(80.33 \times 60) + (90 \times 30)]/(60 + 30)$$

$$= 7520/90$$

$$= 83.5$$

Q:22 The correct answer is **option 4** i.e. **22500**.

Pankaj	:	Deepak	:	Pinku	:	Pitamber
(15000×12)	:	(14000×12)	:	(18000×8)	:	(20000×8)
180	:	168	:	144	:	160
45	:	42	:	36	:	40

Now

$$\text{If } 163 \text{ unit} = 81500$$

$$\text{then } 45 \text{ unit} = 81500/163 \times 45$$

$$= 22500$$

Hence,

$$\text{Profit of Pankaj} = 22500$$

Q:23 The correct answer is **option 2** i.e. **6%**

Successive discount = $1\text{st}\% + 2\text{nd}\% + (1\text{st}\% \times 2\text{nd}\%)/100$

$-30 -20 + 600/100$

$-50 + 6$

-44

Here, we use negative sign because it is a discount

So

Discount = 44%

And other discount= 50%

Difference $50 - 44 = 6\%$

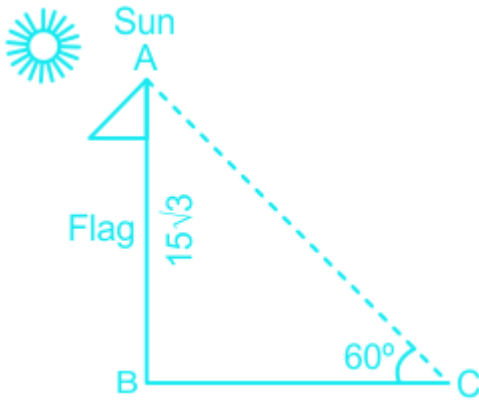
Q:24 The correct answer is **option 2** i.e. **15 meters**

In a right-angled triangle,

$$\tan 60^\circ = 3 = p/b$$

Height of pole = 153 m

the angle of elevation from the ground = 60° .



$$\tan 60 = AB/BC$$

$$3 = 153/BC$$

$$BC = 15$$

So, length of Shadow = 15 metre

Q:25 The correct answer is **Option 3** i.e. **6.25%**

Formula for Simple Interest = $[\text{Principal Amount} \times \text{Rate} \times \text{Time}]/100$

Here, Principal Amount = Rs 2400

Rate = x (Let)

Time = 4 Years

Simple Interest = Rs 600

According to formula,

$$600 = [2400 \times x \times 4]/100$$

$$[600 \times 100]/[2400 \times 4] = x$$

$$x = 6.25$$

So, Interest Rate = 6.25%

Q:26 The correct answer is **Option 2** i.e. **77**

79, 78.5, ?, 74.5, 71, 66.5

Here,

$$79 - 0.5 = 78.5$$

$$78.5 - 1.5 = 77$$

$$77 - 2.5 = 74.5$$

$$74.5 - 3.5 = 71$$

$$71 - 4.5 = 66.5$$

Hence, the missing term is **77**

Q:27 The correct answer is **Option 2** i.e. **4 2 5 1 3**

The correct Dictionary order is:

4. **O**beyed
2. **O**blivion
5. **O**bserved
1. **O**bsessed
3. **O**bviously

Q:28 The correct answer is **Option 1**

After unfolding, the paper will appear as follows:



In this type of question, the order of unfolding the paper will be reverse of the order in which it was folded.

Q:29 The correct answer is **Option 4** i.e. **(5, 25, 625)**

Given number: (3, 9, 27)

1st number – 3,

2nd number – $(3)^2 - 9$,

3rd number – $(3)^3 - 27$

Similarly, (5, 25, 625)

1st number – 5,

2nd number – $(5)^2 - 25$,

3rd number – $(5)^3 - 625$

Q:30 The correct option is **Option 1** i.e. **MXC**

Given = FVI : LTO :: GZW : ? :: EDQ : KBW

FVI : LTO

F + 6 = L, V - 2 = T, I + 6 = O

EDQ : KBW

$E + 6 = K$, $D - 2 = B$, $Q + 6 = W$

Similarly, GZW : ?

$G + 6 = M$, $Z - 2 = X$, $W + 6 = C$

GZW : MXC

Hence, the correct answer is **MXC**.

Q:31 The correct answer is **Option 3** i.e. **TPKH**

1) $R - 4 = N$; $N - 3 = K$; $K - 2 = I$

2) $U - 4 = Q$; $Q - 3 = N$; $N - 2 = L$

4) $K - 4 = G$; $G - 3 = D$; $D - 2 = B$

This patte is not followed in option (3).

3) $T - 4 = P$; $P - 5 = K$; $K - 3 = H$

Q:32 The correct answer is **Option 1** i.e **12482**

Given series: 18, 97, 496, 2493, ?

Logic: Multiply the given number by 5 and then add prime numbers (starting from 7)

$$(18 \times 5) + 7 = 97$$

$$(97 \times 5) + 11 = 496$$

$$(496 \times 5) + 13 = 2493$$

$$(2493 \times 5) + 17 = 12482$$

Hence, the correct answer is **12482**.

Q:33 The correct answer is **Option 3** i.e. **606C**

Given series: 101B, 202D, 303F, 404H, 505A, ?

For Numbers: The next number is obtained by adding 101 to the previous number.

$$101 + 101 = 202, 202 + 101 = 303, 303 + 101 = 404, 404 + 101 = 505$$

For letters: The letter is written after adding the digits of the number till it becomes a single-digit number.

$$101 \quad 1+0+1 \quad 2 = B,$$

$$202 \quad 2+0+2 \quad 4 = D,$$

$$303 \quad 3+0+3 \quad 6 = F,$$

$$404 \quad 4+0+4 \quad 8 = H,$$

$$505 \quad 5+0+5 \quad 10, 1+0 \quad 1 = A$$

Thus, the next element will be:

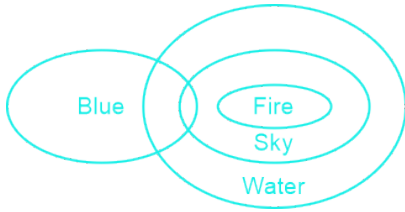
$$505 + 101 = 606$$

$$6+0+6 \quad 12, 1+2 \quad 3 = C$$

606C

Q:34 The correct answer is **Option 2** i.e. **Only I and III follow.**

The least possible Venn diagram according to statements would be:



Conclusions:

- I. All fire is water. **True** (all fire is the sky and all sky is water so all fire is definitely a part of water. Therefore, it follows the statement.)
- II. Some blue is fire. **False** (there is no direct or definite relation between blue and fire. Therefore, it does not follow.)
- III. Some fire is water. **True** (all fire is part of a sky and all sky is a part of water so some fire is definitely a part of water. So, it follows the

Hence, the correct answer is **Only I and III follow.**

Q:35 The correct answer is **Option 4** i.e. **256**

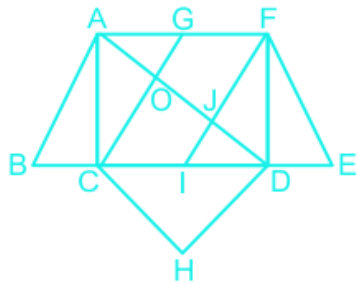
In each column, the square of the difference between the first and the second number is written in the respective cell.

$$(8 - 6)^2 = 2^2 = 4$$

$$(3 - 1)^2 = 2^2 = 4$$

$$(44 - 28)^2 = 16^2 = \mathbf{256}$$

Q:36 The correct answer is **Option 3** i.e. **15**



5 triangles: ABC, FDE, CHD, ACG, AOC, AOG, FDI, JDI, FDJ, ACD, AFD, ABD, FEI, COD, AFJ

Q:37 The correct answer is **Option 4** i.e. **876**

$$361 = 19^2$$

$$441 = 21^2$$

$$784 = 28^2$$

Only 876 is a non-square number, hence it is the odd one.

Q:38 The correct answer is **Option 1**

The logic followed here is:

The shaded circle moves forward in the following steps: + 2, + 1, + 2, + 1, and so on.

Following this logic, the next image should be



Q:39 The correct answer is **Option 2** i.e. **5**

Given: Sum of the positional value of vowels

PARROT = 16:

A = 1

O = 15

1 + 15 = 16

CREDIT = 14

E = 5



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$$I = 9$$

$$5 + 9 = 14$$

Therefore,

$$FETCH = ?$$

$$E = 5$$



Q:40 The correct answer is **Option 1** i.e

The quadrilateral-shaped image is rotating in an anti-clockwise direction and triangles are flipping from right to left and vice versa.



Q:41 The correct option is **option 1** i.e **(5)**

Given: J ? P (9) X (7) T (6) R (5) V

P (9) X: P is the son of X

X (7) T: X is the son of T

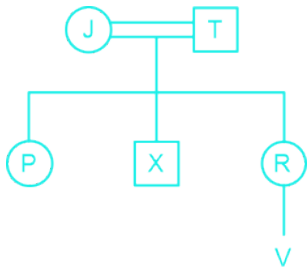
T (6) R: T is the father of R

R (5) V: R is the mother of V

Here, it is given that X must be the son of J, and for that J should be the parent of X.

That means J is the wife of T and mother of P.

So, J ? P: J (5) P



Hence, J is the mother of P and X is the son of J.

Q:42 The correct answer is **Option 1** i.e **DSBC**

The patte followed here is

$$D + 2 = F$$

$$G + 3 = J$$

$$Z + 1 = A$$

$$C - 1 = B$$

Similarly,

$$B + 2 = D$$

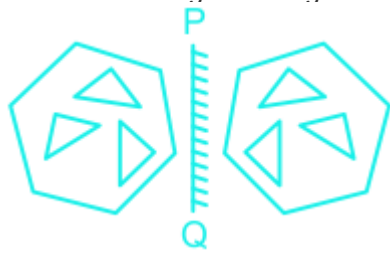
$$P + 3 = S$$

$$A + 1 = B$$

$$D - 1 = C$$

Q:43 The correct answer is **Option 1**

The mirror image of the given figure along the mirror is shown below:



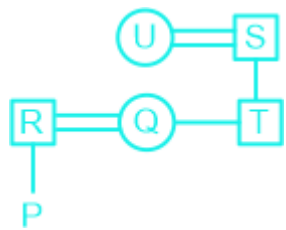
Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror.

That means the left side of the figure will become the right side and vice versa.

Hence, option 1 is correct.

Q:44 The correct answer is **Option 4** i.e **Q is mother of P**.

By decoding the codes given in the expression, we draw the following family tree:



'Q is mother of P' is definitely correct statement.

Q:45 The correct answer is **Option 3** i.e. **Both Conclusion I and II are true**

The least possible diagram is as follows:



- I. All Words can never be Idioms **True** (Some words are Phrases and no phrase is a word. So, all words can never be Idioms is true)
- II. Mostly Words are Phrases **True** (This is definitely true, as some phrase are already word is given and also we can see relationship of some



of word and phrase).

Q:46 The correct is answer **Option 4** i.e, **3:45 am**

We know that,

Midnight time at the clock = 12:00 am

The Clock become gains in three hour = 10 min + 15 min + 20 min = 45 minutes

Then correct time will be at clock = 3:00 + 0:45 = 3:45 am

Hence, the correct answer is **3:45 am**.

Q:47 The correct answer is **Option 2** i.e. **70**

Given: Y = 50 and TEA = 52

Code - Sum of positional values of the alphabet $\times 2$

Y = $25 \times 2 = 50$

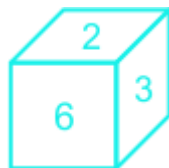
TEA = $(20 + 5 + 1) \times 2 = 26 \times 2 = 52$

Therefore,

CATCH = $(3 + 1 + 20 + 3 + 8) \times 2$

= 35×2

= **70**



Q:48 The correct answer is **Option 4** i.e. .

By folding the squares, 4 will be the base, and 2 will become the top of the cube.

Similarly, 5 will face 3, and 1 will face 6.

4 2, 5 3, and 1 6

Thus (3,5), (2,4), and (1,6) cannot be the adjacent sides of the cube.

Hence, **option 4** is the correct answer.

Q:49 The correct answer is **Option 2** i.e. **64**

× means 'added to', ÷ means 'multiplied by', + means 'subtracted from', and – means 'divided by'.

After changing the symbols, the expression becomes:

$$36 + 48 - 12 \times 8 \div 4 = ?$$

$$= 36 - 48 \div 12 + 8 \times 4$$

$$= 36 - 4 + 8 \times 4$$

$$= 36 - 4 + 32$$

$$= 68 - 4$$

$$= \mathbf{64}$$

Q:50 The correct answer is **Option 4** i.e. **Fry**

Horse : Colt

Colt is the young one of Horse.

Similarly;

Fry is the young one of Fish.

Q:51 The correct answer is **Option 2** i.e. **may not be necessarily**.

- t
- A **verb is qualified by an adverb** hence, '**necessarily**' will be used here as it is justifying the possibility of activity.

t

 - The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

*The effect of pandemic **may not be necessarily** the same for every citizen of the country.*

Q:52 The correct answer is **Option 4** i.e. **Though**.

- t
- '**Though**' is used to show **contrast** and the **given statement has a contradictory meaning** hence, it will suit the given statement.

t

 - The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

***Though** he worked hard, he failed to crack the entrance examination.*

Q:53 The correct answer is **Option 3** i.e. **No Improvement**.

- t
- '**Like**' is followed by the '**Gerund**' form of the verb.

t

 - The **underlined part of the statement is correct** in itself hence, '**No Improvement**' will be the correct choice.

Correct Sentence:-

*The children of my locality like **fishing and swimming**.*

Q:54 The correct answer is **Option 4** i.e. **revival**.

Let's have a look at the meaning of the given options:-

- **revival**- the act of making something strong or popular again
- **advance**- to make progress or help something make progress.



- t
- **appearance**- the way that somebody/something looks or seems.
- t
- **incaation**- a period of life on earth in a particular form.

'Revival' which means 'the act of making something strong or popular again' fits in the context appropriately.

Correct Sentence:-

India needs a sharp **revival** of demand for which higher per capita incomes are necessary.

Q:55 The correct answer is **Option 2 i.e. ensure.**

Let's have a look at the meaning of the given options:-

- t
1. **ensure**- to make sure that something happens or is definite.
- t
2. **secure**- free from worry or doubt; confident.
- t
3. **establish**- to start or create an organization, a system, etc.
- t
4. **fortify**- to make a place stronger and ready for an attack.

'Ensure' which means 'to make sure that something happens or is definite' fits in the context appropriately.

Correct Sentence:-

Several steps can be taken to **ensure** that people are not booked under laws held unconstitutional.

Q:56 The correct answer is **Option 3 i.e. since.**

- t
- When **since** is used as a conjunction, it joins a main clause and a subordinate clause. Since comes at the beginning of the subordinate clause.

Example:-

- t
1. Mike has been promoted twice **since** he joined the company.
- t
2. I've been very busy **since** I started my new job.

The chosen option has the same structure hence, 'Since' will be the correct choice.

Correct Sentence:-

Nothing has changed in this country since I left it 15 years ago.

Q:57 The correct answer is **Option 2 i.e. shines.**

t

- The **given statement is a truth or fact** hence,



we need to use the **simple present tense**.

- t
- The **subject is singular** hence, '**Shines**' will be the correct main verb here.

Correct Sentence:-

The sun **shines** brightly in the moing.

Q:58 The correct answer is **Option 3** i.e. **Execute**.

- t
- The meaning of the given idiom i.e., **carry out** is **Execute**.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Q:59 The correct answer is **Option 4** i.e. **An enjoyable day or circumstance**.

- t
- The meaning of the given idiom i.e., **Field day** is **An enjoyable day or circumstance**.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Q:60 The correct answer is **Option 4** i.e. **Imbecile**.

Let's have a look at the meaning of the given options:-

- t
- **Considerate**- careful not to upset people; always thinking of other people's wishes and feelings.

t

 - **Laudatory**- (of speech or writing) expressing praise and commendation.

t

 - **Competent**- having the ability or skill needed for something.

t

 - **Imbecile**- a stupid person.

As the chosen option is correctly spelt it will be the correct answer.

Q:61 The correct answer is **Option 3** i.e. **Abscund**.

Let's have a look at the meaning of the given options-

- t
- **Ample**- enough or more than enough.
- t
- **Absolve**- to say formally that somebody does not have to take responsibility for something.
- t
- **Abscond**- to run away from a place where you should stay, sometimes with something that you should not take.
- t
- **Affray**- a fight, or a noisy argument or an instance of violent behaviour in a public place.



As the chosen option is incorrectly spelt it will be correct.

Q:62 The correct answer is **Option 2 i.e. Calumny.**

Let's have a look at the meaning of the given options:-

- t
- **Denigration**- the action of unfairly criticizing someone or something.
- t
- **Calumny**- a false statement made about somebody in order to damage their reputation.
- t
- **Depravity**- the state of being morally bad.
- t
- **Repugnance**- intense disgust.
- t
- **Estimation**- opinion or judgement.

As the chosen option expresses the best meaning of the given word it will be correct.

Q:63 The correct answer is **Option 2 i.e. Nasty.**

Let's have a look at the meaning of the given options:-

- t
- **Godawful**- extremely bad or unpleasant.
- t
- **Nasty**- very bad or unpleasant.
- t
- **Lucid**- (used about something that is said or written) clear and easy to understand.
- t
- **Regular**- having the same amount of space or time between each thing or part.
- t
- **Voluntary**- done or given because you want to do it, not because you have to do it.

As the chosen option expresses the best meaning of the given word it will be correct.

Q:64 The correct answer is **Option 3 i.e. Miser.**

Let's have a look at the meaning of the given options:-

t

- **Unsparing**- given freely and generously.
t
- **Miser**- a person who loves to have a lot of money but hates to spend it.
t
- **Spendthrift**- a person who spends a lot of money carelessly or wastes money.
t
- **Surreptitious**- done secretly.
t
- **Observation**- the act of watching somebody/something carefully, especially to learn something.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Q:65 The correct answer is **Option 3 i.e. Darken.**

Let's have a look at the meaning of the given options:-

- t
- **Irradiate**- illuminate (something) by or as if by shining light on it.
- t
- **Darken**- to become or to make something darker.
- t
- **Slander**- a false spoken statement about someone that damages their reputation.
- t
- **Bemoan**- express discontent or sorrow over (something).
- t
- **Befog**- make confused.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Q:66 The correct answer is **Option 2** i.e. **Apostate**.

Let's have a look at the meaning of the given options:-

- t
- **Apostate**- A person who has changed his faith.
- t
- **Fugitive**- One who runs away from justice.
- t
- **Fatalist**- someone who believes that people cannot change the way events will happen and that events, especially bad ones, cannot be avoided.
- t
- **Futurist**- a person who studies the future and makes predictions about it based on current trends.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Q:67 The correct answer is **Option 2** i.e. **Periodontist**.

Let's have a look at the meaning of the given options:-

- t
- 1. **Entomologist**- a person who studies or is an expert in the branch of zoology concerned with insects.
- t
- 2. **Periodontist**- The doctor who treats gums.
- t

3. **Demagogue**- a political leader who seeks support by appealing to the desires and prejudices of ordinary people rather than by using rational argument.
t
4. **Psephologist**- One who studies election trends by means of opinion polls.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.



Q:68 The correct answer is **Option 1 i.e. perform.**

- t
- A **modal verb** is always followed by the **first form of the verb**.
- t
- 'Subject + v1 + object' is the correct structure.

Hence, the chosen option will be correct.

Q:69 The correct answer is **Option 2 i.e. for.**

- t
- We use **for** to talk about a purpose or a reason for something.
- t
- The chosen option itself talks about the reason hence, '**for**' will be the correct choice here.

Hence, the chosen option will be correct.

Q:70 The correct answer is **Option 3 i.e. improve.**

Let's have a look at the meaning of the given options:-

- t
1. **improve**- to become or to make something better.
- t
2. **surpass**- to do something better than somebody/something else or better than expected.
- t
3. **upgrade**- to change something so that it is of a higher standard.
- t
4. **refine**- to make a substance pure and free from other substances.

'**Improve**' which means '**to become or to make something better**' fits the context appropriately.

Hence, the chosen option will be correct.

Q:71 The correct answer is **Option 4 i.e. evidence.**

Let's have a look at the meaning of the given options:-

- t
- **evidence**- the facts, proof, etc. that make you believe that something is true.
- t

- **sign**- something that shows that somebody/something is present, exists or may happen.
t
- **declaration**- an official statement about something.
t
- **claim**- to say that something is true, without having any proof.

'Evidence' which means 'the facts, proof, etc. that make you believe that something is true' fits the context appropriately.

Hence, the chosen option will be correct.



Q:72 The correct answer is **Option 1** i.e. **benefit**.

- t
- **Subjects** and **verbs** must AGREE with one another in number (singular or plural). Thus, if a subject is singular, its verb must also be singular; if a subject is plural, its verb must also be plural.
- t
- The **subject** of the given statement is '**structures and functions**' which is **plural** hence, we need to use a **plural verb** here.

Hence, the chosen option will be correct.

Q:73 The correct answer is **Option 4** i.e. **knows when will my brother**.

- t
1. The error lies in **Option 4** because of the wrong use of '**Interrogative structure**'.
- t
2. We need to replace '**Will my brother**' with '**My brother will**' for making the statement grammatically correct.

Grammatical concept:-

- t
- In the given statement, '**When**' acts as conjunction hence, we can not use interrogative structure (knows when will my brother) here.
- t
- When a '**Wh-word**' acts as a conjunction we use the assertive structure '**Subject + verb**'.
- t
- The chosen option contains the **Grammatical Error** hence, it will be the correct choice.

Correct Sentence:-

*Nobody in my family **knows when my brother will** be arriving at the station.*

Q:74 The correct answer is **Option 2** i.e. **all the employees views**.

- t
1. The error lies in **Option 2** because of the wrong use of '**Possessive case**'.
- t
2. We need to replace '**Employees views**' with '**Employees' views**' for making the statement grammatically correct.

Grammatical concept:-

- t
- There is a relation between '**employee and view**' hence, we need to use **possessive case** here.

- t
- Hence, 'views of the employees / the



employees' views' will be the correct use of the possessive case here.

- t
- The chosen option contains the Grammatical Error hence, it will be the correct choice.

Correct Sentence:-

The final decision can be taken only after we analyse all the employees' views.

Q:75 The correct answer is **Option 2 i.e. have surprised many.**

- t
1. The error lies in **Option 2** because of the wrong use of '**Subject-verb agreement**'.
- t
2. We need to replace '**Have**' with '**Has**' for making the statement grammatically correct.

Grammatical concept:-

- t
- **Subjects** and **verbs** must AGREE with one another in number (singular or plural). Thus, if a subject is singular, its verb must also be singular; if a subject is plural, its verb must also be plural.
- t
- The subject of the given statement is '**Expansion**' which is singular hence, we need to use a **singular verb** here.
- t
- The chosen option contains the Grammatical Error hence, it will be the correct choice.

Correct Sentence:-

The cabinet expansion in the middle of the Government's second term has surprised many.

Q:76 The correct answer is **option 4 i.e. New Delhi.**

The second Phase of the Sari Festival "VIRAASAT" began in New Delhi.

A) The second phase of the Sari Festival 'VIRAASAT'-Celebrating 75 handwoven Saris of India was held from 3rd to 17th January 2023 at Handloom Haat, Janpath, New Delhi.

B) The first phase of VIRASAT- Celebrating 75 handwoven Saris of India started on 16th December 2022 and was concluded on 30th December 2022.

Q:77 The correct answer is **option 3 i.e. Bhimbetka.**

Three sites in Madhya Pradesh have been declared World Heritage Sites by UNESCO:

t

1. t
The Khajuraho Group of Monuments
t



(1986)

- t
1. t
- Buddhist Monuments at Sanchi (1989)
- t
- t
2. t
- The Rock Shelters of Bhimbetka (2003)
- t

Q:78 The correct answer is **Option 1** i.e. **Maulvi Ahmadullah**.

- t
- The Revolt of 1857 started on 10 May 1857 at Meerut and spread over large parts of India.
- t
- The rebel army of Awadh was led by **Barkat Ahmad and Maulvi Ahmadullah Shah**.
- t
- **Maulvi Ahmadullah** declared Jihad against English and led the Revolt in Faizabad.

Q:79 The correct answer is **Option 4** i.e. **Alauddin Khilji**.

- t
- **Alauddin Khilji** introduced the Chehra and Dag system.
- t
- The Dag system involved the branding of horses to be used specifically for wars and the Chehra system involved the use of descriptive roll or identity card for every soldiers.

Q:80 The correct answer is **option 2** i.e. **Galactose**.

- t
- Monosaccharides are the simplest form of sugar and the most basic units of carbohydrates (monosaccharide is a carbohydrate consisting of one sugar unit) that are usually water-soluble, colorless, and crystalline solids. **Common examples of simple sugars or monosaccharides are galactose, glucose, and fructose.**
- t
- Sucrose and maltose are disaccharides, and glycogen is a polysaccharide.

Q:81 The correct answer is **option 1** i.e. **Govement of India Act.**

- t
- The Govement of India Act 1858 was an Act of the Parliament of the United Kingdom.
- t
- Passed on 2 August 1858.
- t
- It called for the liquidation of the British East India Company and the transference of its functions to the British Crown.



Q:82 The correct answer is **Option 1** i.e. **Suez Canal**

t

1. Suez Canal is an artificial sea-level waterway located in Egypt. It connects the
2. Mediterranean Sea to the Red Sea and provides the shortest sea link between Asia and Europe.
3. Suez Canal is an extremely crucial shipping canal in the world maritime sector as it is one of the most heavily used shipping routes in the world.

Q:83 The correct option is **option 3** i.e. **Venus**.

Venus

In classical mythology, '**Lucifer**' was the name of the planet Venus, though it was often personified as a male figure bearing a torch. As the second-brightest natural object in Earth's night sky after the Moon, Venus can cast shadows and can be, on rare occasions, visible to the naked eye in broad daylight.

Q:84 The correct answer is **option 3** i.e. **The Accidental Prime Minister**.

t

- In April 2014, Penguin India published The Accidental Prime Minister, Barua's tell-all memoir about his time at the Prime Minister's Office.
- In it, Barua alleges that the prime minister was completely subservient to Congress President Sonia Gandhi, who wielded significant influence in the running of the Singh administration, including the PMO itself.

Q:85 The correct answer is **option 3** i.e. **2 gases, one liquid, and 2 solids**.

The halogens are five non-metallic elements found in group 17 of the periodic table. The term 'halogen' means 'salt-former' and compounds containing halogens are called 'salts'. All halogens have 7 electrons in their outer shells, giving them an oxidation number of -1. The halogens exist, at room temperature, in all three states of matter:

t

- **Solid**- Iodine, Astatine

t

- **Liquid**- Bromine

t

- **Gas**- Fluorine, Chlorine



Army Red Team won the 72nd Inter Services Volleyball Championship 2022-23.

- t
- The Army Red Team has won the 72nd Inter Services Volleyball Championship 2022-23. The Army Red team emerged victorious with a set score of 3-1.
- t
- The closing ceremony of the Championship was organised at Eagles Indoor Volleyball Stadium in Secunderabad.

Q:87 The correct answer is **option 1** i.e. **product/ value-added**.

- t
- The national income of a country can be measured by three alteative methods: (i) Product Method (ii) Income Method, and (iii) Expenditure Method.
- t
- Product Method: In this method, national income is measured as a flow of goods and services.
- t
- Income Method: In this method, national income is measured as a flow of factor incomes.
- t
- Expenditure Method: In this method, national income is measured as a flow of expenditure.

Q:88 The correct answer is **Option 4** i.e. **Article 11**.

- t
- The constitution of India deals with citizenship from articles 5-11.
- t
- Under Article 11, parliament shall have the power to make any provision with respect to citizenship.

Articles	Related to
Article 5	Citizenship at the commencement of the Constitution.
Article 7	Rights of citizenship of certain migrants to Pakistan.
Article 9	A person who voluntarily acquires citizenship of any other country is no longer an Indian citizen.

Q:89 The correct answer is **Option 4** i.e. **Harivansh Rai Bachchan**.

1. **Sahitya Akademi Award** is one of the highest **literary awards** in the country.
2. These awards are **instituted by Sahitya Akademi– India’s National Academy of Letters**.



3. The Sahitya Akademi Award **carries an engraved copper plaque, shawl, and Rs 1 lakh.**

4. **Harivansh Rai Bachchan** was awarded Sahitya Akademi Awardee in 1968.

Q:90 The correct answer is **option 1** i.e. **Silicon carbide.**

- t
- **Silicon carbide**, also known as carborundum, is a semiconductor containing silicon and carbon. It occurs in nature as the extremely rare mineral moissanite.
- t
- Synthetic SiC powder has been mass-produced since 1893 for use as an abrasive.

Q:91 The Correct Answer is **option 1** i.e. **B.N. Rau.**

B.N. Rau

- t
- Sir Benegal Narsing Rau, CIE, was an Indian civil servant, jurist, diplomat, and statesman known for his key role in drafting the Constitution of India.
- t
- He was also India's representative to the United Nations Security Council from 1950 to 1952.
- t
- B. N. Rau was appointed as the Constitutional Adviser to the Constituent Assembly in formulating the Indian Constitution in 1946.
- t
- He was responsible for the general structure of the democratic framework of the Constitution and prepared its initial draft in February 1948.

Q:92 The correct answer is **option 4** i.e. **a market system of resource allocation, commerce, and trade in which free markets coexist with government intervention.**

- t
- A mixed economic system is a system that combines aspects of both capitalism and socialism.
- t
- It protects private property and allows a level of economic freedom in the use of capital, but also allows governments to interfere in economic activities in order to achieve social aims.
- t

- A mixed economy is variously defined as an economic system blending elements of a market economy with elements of a planned economy, free markets with state



interventionism, or private enterprise with public enterprise.

Q:93 The correct answer is **Option 4** i.e. **8126 m.**

- t
- Nanga Parbat, locally known as Diamer, is the ninth-highest mountain in the world at 8,126 meters above sea level.
- t
- Located in the Diamer District of the Gilgit-Baltistan region, India, Nanga Parbat is the west anchor of the Himalayas.

Height of other peaks

- t
- K2- 8611 m
- t
- Nanda Devi- 7816 m
- t
- Kanchenjunga- 8586 m

Q:94 The correct answer is **Option 1** i.e. **Banabhatta.**

- t
- The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, Banabhatta.
- t
- The work depicts the court and times of the Buddhist Emperor of north India.
- t
- It provides valuable information about the period of the Emperor.

Q:95 The correct answer is **option 2** i.e. **AP Shreethar.**

- t
- Painter AP Shreethar, Museum Man of India was honoured with Economic Times Inspiring Leaders Award - 2022 in Delhi.
- t
- The event was organized to celebrate and honour professional and entrepreneurial excellence across diverse categories.

Q:96 The correct answer is **option 4** i.e. **Kathak.**

- t
- In 2001, she was conferred the Padma Bhushan for her contribution towards enriching classical dance.
- t
- In 1973, Sharma became the youngest dancer to have been honoured with the Padma Shri.
- t
- She has received the prestigious 'Sumitra Charat Ram Award' for lifetime achievement in recognition of her contribution to the field of Indian Classical music and dance.



Q:97 The correct answer is **option 3** i.e. **Table Tennis**.

- t
- Archana Kamath is associated with Table Tennis.
- t
- t
- She is the first player in Kaataka to hold that distinction in TT history.
- t
- t
- t
- Archana started playing table tennis at the age of 9 years.
- t

Q:98 The correct answer is **option 4** i.e. **Narendra Modi**.

PM Modi Inaugurated Dr. Syama Prasad Mookerjee National Institute of Water and Sanitation.

A) Prime Minister, Shri Narendra Modi inaugurated the Dr. Syama Prasad Mookerjee National Institute of Water and Sanitation (SPM-NIWAS) at Joka in Kolkata via video conferencing.

B) SPM – NIWAS has been set up at a cost of around Rs. 100 Crore, on 8.72 acres of land at Joka, Diamond Harbour Road, Kolkata, West Bengal.

Q:99 The correct answer is **option 4** i.e. **Sikkim**.

- t
- Four Northeast Indian states share the border with Myanmar: Arunachal Pradesh, Nagaland, Mizoram, and Manipur.
- t
- Sikkim shares inteational boundaries with China, Nepal and Bhutan.
- t
- **Bangladesh** has the longest boundary with India. The length of the border is 4,096.7 Km.

Q:100 The correct answer is **option 1** i.e. **Lula Da Silva**.

- t
- **Lula Da Silva** becomes Brazil's President for the 3rd time.
- t
- The 77-year-old veteran leftist, who previously led Brazil from 2003 to 2010, took the controversial oath of office less than five years after being jailed after being convicted of corruption charges.
- t

- It is the first time since the end of Brazil's 1965-1985 military dictatorship that an incoming leader has not received the yellow-and-green presidential sash from his predecessor.

