SSC CHSL Previous Paper 47 (Held On: 24 March 2018 Shift 1) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2018 • 100 questions • 60 minutes • Answer key and solutions

Take this paper as a timed mock test

Practise under exam conditions, then review your answers after you submit.

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ENGLISH LANGUAGE

Q1. In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

(a) Incommunicabal
(b) Incommunicable
(c) Incomunicable
(d) Incomunicabal

Q2. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

When we use our

A - beauty to group others, we

B - personal standards for

C - promote a kind of apartheid

(a) ACB
(b) BAC
(c) ABC
(d) CBA

Q3. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

Partition (has been billed) as a distressing phase in the subcontinent’s history.

(a) Have been billed
(b) Has being billed
(c) Has been bill
(d) No improvement

Q4. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

I worry that social media (is killing) creativity.

(a) Is killed
(b) Are killed
(c) Was kills
(d) No improvement

Q5. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Very little or not sufficient

(a) Scant
(b) Deluge
(c) Plethora

(d) Surfeit

Q6. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

A deep cut or tear in skin or flesh

(a) Laceration
(b) Termination
(c) Cessation
(d) Desistance

Q7. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Pulling your leg

(a) To create trouble for others.
(b) To succeed by making others fail.
(c) To trick or lie to someone in a playful way.
(d) To beg for a favour.

Q8. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Fire the imagination

(a) Do something unbelievable.
(b) To destroy a person's dreams or ambition by giving discouraging advice.
(c) To make someone feel very interested in something
(d) Advice someone to be more practical in an effort to tackle a problem.

Directions

Directions: In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The masses of people accept the most absurd ideas _____ truth, providing they are gravely asserted by someone claiming authority. The most illogical ideas are accepted _____ dispute or examination, providing they are stated solemnly and _____. Particularly in the respective fields of religion and politics do we find this blind _____ of illogical ideas by the multitude. Mere assertion _____ the leaders seems sufficient for the multitude of followers to acquiesce.

Q9. Mere assertion _____ the leaders seems

(a) With
(b) By
(c) To
(d) At

Q10. find this blind _____ of illogical ideas

(a) Acceptance
(b) Accept
(c) Acceptor
(d) Acceptant

Q11. solemnly and _____. Particularly in the

(a) Authoritatively
(b) Authoritative
(c) Authority
(d) Authorities

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Q12. ideas are accepted _____ dispute or examination,

(a) Within
(b) Not
(c) Without
(d) By

Q13. absurd ideas _____ truth, providing

(a) As
(b) Like
(c) Such
(d) Just

Q14. In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

(a) Encouragement
(b) Ancouragement
(c) Encouragemant
(d) Encourragemaent

Q15. A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.

The principal said, “I want to meet her parents.”

(a) The principal wanted to meet her parents.
(b) The principal said that he wants to meet her parents.
(c) The principal said that he wanted to meet her parents.
(d) The principal asked if he could meet her parents.

Q16. A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.

Kiara must deliver the needles.

(a) The needles must be delivered with Kiara.
(b) The needles must be delivered by Kiara.
(c) The needles should deliver by Kiara.
(d) The needles are delivered by Kiara.

Q17. Rearrange the parts of the sentence in correct order.

When the

P : demonstrate that these are wholly inhuman

Q : state identifies some practices

R : as incompatible with the ‘civilised’ norms, it must

(a) PQR
(b) QRP
(c) RPQ
(d) QPR

Q18. In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Gratify

(a) Satisy
(b) Enchant
(c) Disappoint
(d) Pamper

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Q19. In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Exorbitant

(a) Expensive
(b) High
(c) Cruel
(d) Modest

Q20. In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Precedence

(a) Uprise
(b) Insignificance
(c) Present
(d) Priority

Q21. In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Cogent

(a) Invalid
(b) Effective
(c) Inconclusive
(d) Unlikely

Q22. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Despite his pleas, she looked _____ his insincere apologies.

(a) On
(b) To
(c) Around
(d) Through

Q23. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

She was miserable _____ she didn’t tell him.

(a) In
(b) But
(c) While
(d) With

Q24. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

During the later 19th and early 20th centuries, (1)/ forest preservation programmes were established (2)/ in British India, the United States, and Europe. (3)/ No error (4)

(a) 1
(b) 2
(c) 3
(d) 4

Q25. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Playing sports and doing any form (1)/ of physical activity can trigger (2)/ the production of endorphins. (3)/ No error (4)

(a) 1

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(b) 2
(c) 3
(d) 4

GENERAL INTELLIGENCE

Q26. In the following question, select the related word pair from the given alternatives.

Tyre : Car : : ? : ?

(a) Cart : Tyre
(b) Clock : Arc
(c) House : Room
(d) Chapter : Book

Q27. In the following question, select the related number pair from the given alternatives.

41 : 123 : : ? : ?

(a) 31 : 93
(b) 23 : 75
(c) 29 : 95
(d) 13 : 45

Q28. In the following question, select the related letter/letters from the given alternatives.

GPQ : ENO : : LNM : ?

(a) IKJ
(b) JLK
(c) MON
(d) OQP

Q29. In the following question, select the odd word from the given alternatives.

(a) Waterfall
(b) Aquarium
(c) River
(d) Sea

Q30. In the following question, four number pairs are given. The number on the left side of (–) is related to the number on the right side of (–) with some Logic/Rule/Relation. Three are similar on the basis of the same Logic/Rule/Relation. Select the odd one out of the given options.

(a) 62 – 60
(b) 74 – 70
(c) 18 – 16
(d) 34 – 32

Q31. In the following question, select the odd letter/letters from the given alternatives.

(a) VUTS
(b) RQPO
(c) NMKJ
(d) IHGF

Q32. From the given alternatives, according to the dictionary, which word will come at the LAST position?

1. Expiration
2. Expertise
3. Exposing
4. Exposed
5. Explosion

(a) Expiration

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(b) Explosion
(c) Exposed
(d) Exposing

Q33. In the following question, select the missing number from the given series.

91, 109, 145, 199, 271, 361, ?

(a) 521
(b) 469
(c) 432
(d) 420

Q34. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

HY, JV, LS, ?, PM

(a) MP
(b) NP
(c) MN
(d) PK

Q35. The ratio of the present ages of Piyush and Bharat is 11 : 13. 15 years ago, the ratio of ages of Piyush and Bharat was 17 : 21. What is the present age (in years) of Piyush?

(a) 66
(b) 63
(c) 51
(d) 78

Q36. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

Commissioner

(a) Common
(b) Some
(c) Miss
(d) Trainer

Q37. In a certain code language, “INDUCE” is written as “MRHYGI”. How is “DEFECT” written in that code language?

(a) XGIRIB
(b) BLKTKC
(c) HIJIGX
(d) RFGAGB

Q38. In a certain code language, '÷' represents '+', '-' represents '×', '+' represents '÷' and '×' represents '-'. Find out the answer to the following question.

9 ÷ 4 - 30 + 10 × 13 = ?

(a) 46
(b) 8
(c) 30
(d) 49

Q39. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

8 - 4 ÷ 25 + 12 × 2 = 1

(a) • and ×
(b) ÷ and -
(c) • and ÷
(d) • and +

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Q40. If 11*8 = 6, 19*7 = 24 and 14*6 = 16, then find the value of 12*9 = ?

(a) 18
(b) 12
(c) 8
(d) 6

Q41. Which of the following terms follows the trend of the given list?

ZWXYXYXY, XWZYXYXY, XYZWXYXY, XYXWZYXY, XYXYZWXY, _____.

(a) XYXYXYXY
(b) ZWXYXYXY
(c) XYXYXWZY
(d) XWZYXYXY

Q42. Two taxis T and U start from the same stand. Taxi T travels 1 km South, then turns to its right and travels a further 3.5 km. Meanwhile taxi U travels 2.5 km East, then turns North and travels 4 km, then it turns to its left and travels 6 km. Where is taxi U with respect to taxi T?

(a) 3 km North
(b) 5 km South
(c) 5 km North
(d) 3 km South

Q43. In the question, two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: No plastics are polymers.

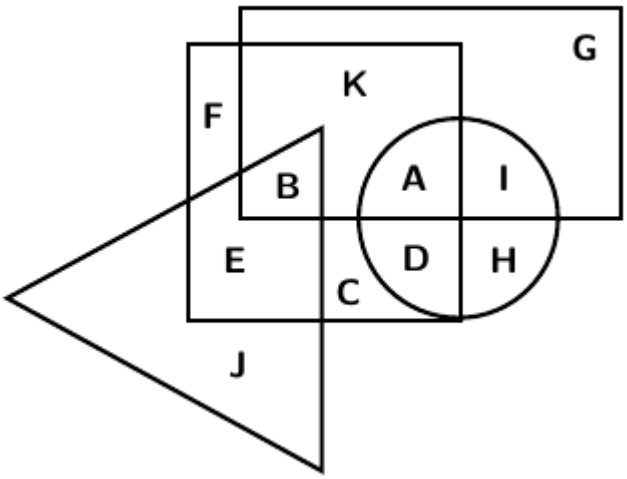
Statement II: Some rubbers are plastics.

Conclusion I: Some polymers are rubbers.

Conclusion II: All rubbers are polymers.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q44. In the following figure, rectangle represents Event planners, circle represents Illustrators, triangle represents Game and square represents Indians. Which set of letters represents Event planners who are Games?



(a) BE
(b) KAB
(c) B
(d) AD

Q45. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

XQC, UNZ, RKW, OHT, ?

(a) LFP
(b) MED
(c) LEQ
(d) MFQ

Q46. In the following question, select the missing number from the given series.

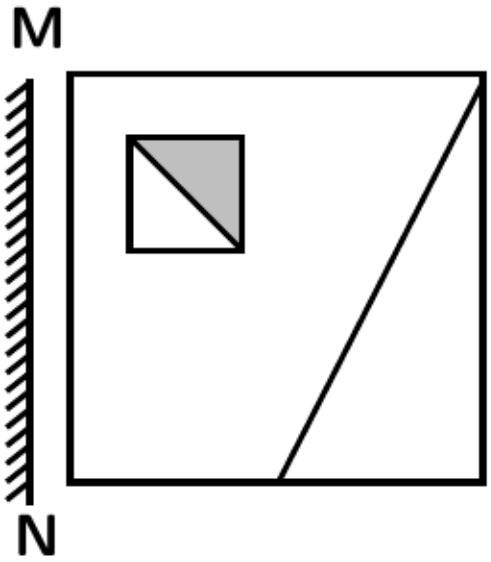
57, 52, 45, 36, 25, ?

(a) 14
(b) 12
(c) 15
(d) 17

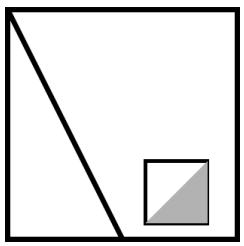
Q47. In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

(a) (13, 25, 51)
(b) (17, 33, 67)
(c) (10, 19, 39)
(d) (7, 13, 29)

Q48. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

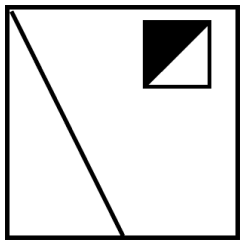


(a)

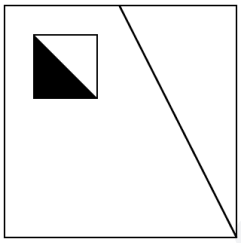


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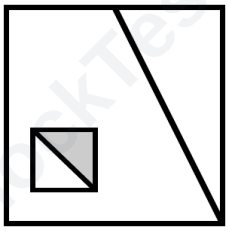
(b)



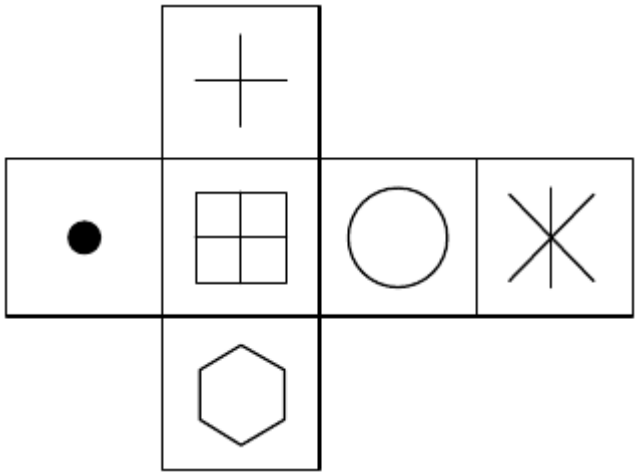
(c)



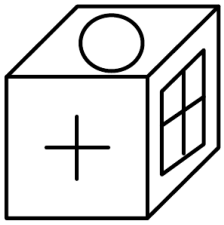
(d)



Q49. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?

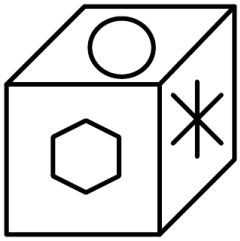


(a)

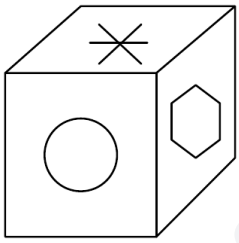


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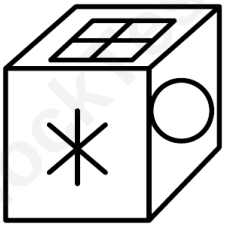
(b)



(c)



(d)



Q50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are resented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that a Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, ‘D’ can be represented by 24, 41 etc., and ‘T’ can be represented by 96, 87 etc. Similarly, you have to identify the set for the word ‘GASH’.

Matrix-I					
	0	1	2	3	4
0	C	G	D	K	M
1	I	B	L	H	B
2	K	B	L	B	D
3	I	A	C	D	E
4	L	D	G	A	E

Matrix-II					
	5	6	7	8	9
5	P	Q	U	W	R
6	P	Z	V	P	W
7	U	X	Q	X	V
8	V	O	T	N	R
9	P	T	U	S	Y

(a) 23, 75, 44, 88
(b) 42, 43, 98, 13
(c) 14, 95, 13, 58

(d) 11, 78, 20, 87

QUANTITATIVE APTITUDE

Q51. The value of (0.175959... + 0.304141...) is _____.

(a) 0.480202...
(b) 0.480101...
(c) 0.470101...
(d) 0.481111...

Q52. If doubling a number and adding 16 to the result gives the same number as multiplying the number by 6 and taking away 4 from the product, then find the number.

(a) 4
(b) 5
(c) 6
(d) 7

Q53. If $(\sqrt{(x + 5)} + \sqrt{x})/(\sqrt{(x + 5)} - \sqrt{x}) = 5$ then find the value of 'x'

(a) 1
(b) 2
(c) 3
(d) 4

Q54. If $(6\sqrt{3} + 7\sqrt{2})/(\sqrt{108} + \sqrt{50}) = a + b\sqrt{6}$, then find the value of (6a/b).

(a) 9
(b) 19
(c) 38
(d) 42

Q55. If the supplement of an angle is (5/2) of its complement, then find the angle.

(a) 10°
(b) 15°
(c) 20°
(d) 30°

Q56. If the sides of a triangle are in the ratio 9 : 6 : 4, then the triangle is said to be _____.

(a) right angled
(b) obtuse angled
(c) acute angled
(d) All are incorrect

Q57. Puneet scored 10% marks in an exam and failed by 50 marks. If he scored 40% marks, then he gets 25 marks more than passing marks. What are the passing marks for the exam?

(a) 250
(b) 200
(c) 150
(d) 75

Q58. A bag contains 10 rupees, 2 rupees and 1 rupee coins. The value of 10 rupees, 2 rupees and 1 rupee coins are in the ratio of 15 : 8 : 1 respectively. If total number of coins is 273, then what will be the total value (in Rs.) of all coins?

(a) 1008
(b) 924
(c) 1102
(d) 1218

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Q59. Vipin adds 3 litres of liquid A in 6 litres of liquid B and Mohit adds 8 litres of liquid A in 15 litres of liquid B. What is the ratio of the percentage of liquid B in the two mixtures?

(a) 26 : 25
(b) 51 : 32
(c) 46 : 45
(d) 34 : 25

Q60. Average of 9 consecutive natural numbers is 41. What is the largest among these numbers?

(a) 37
(b) 44
(c) 46
(d) 45

Q61. At the rate of 12.5% per annum, the simple interest on a sum is 5/4 of the principal. What is the time period (in years)?

(a) 12.5
(b) 8
(c) 10
(d) 15

Q62. If the cost price of a table is 62% of the selling price, then what is the profit percentage?

(a) 43.42
(b) 37.45
(c) 61.29
(d) 71.35

Q63. The marked price of a trouser is Rs. 3510. The shopkeeper allows a discount of 40% and gains 17%. If no discount is allowed, then what will be the profit percentage?

(a) 63.8
(b) 95
(c) 85
(d) 74.6

Q64. What is the value of $(4\sqrt{16} + 4\sqrt{625})/4\sqrt{256}$?

(a) 1.75
(b) 1.25
(c) 1.6
(d) 1.5

Q65. M takes 60% more time than N to complete a wall. If together they complete the wall in 24 days, then how many days will N alone take to complete it?

(a) 36
(b) 39
(c) 42
(d) 34

Q66. A boy is driving car at the speed of 42 km/hr. He stops for 8 minutes at end of every 11 km. What will be the time (in minutes) taken by him to cover a distance of 84 km?

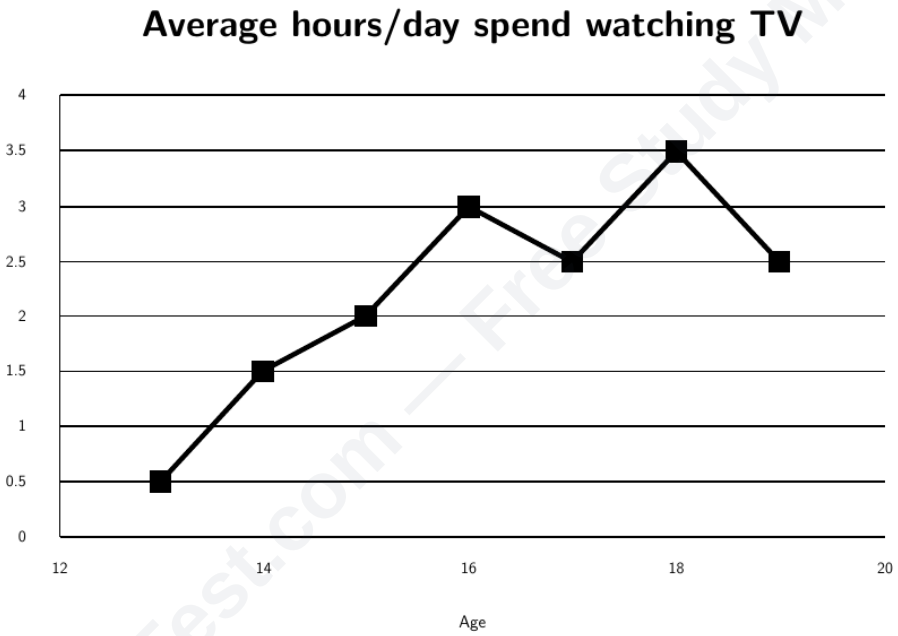
(a) 138
(b) 142
(c) 156
(d) 176

Directions

Direction: The line graph shows the average hours per day spent by teenagers watching TV. Study the diagram and answer the

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following questions.



Q67. In which age do teenagers spend the least number of hours watching TV?

(a) 17
(b) 15
(c) 13
(d) 18

Q68. What is the ratio of hours per day spent in watching TV by 14 year olds and 18 year olds?

(a) 7 : 3
(b) 3 : 7
(c) 5 : 7
(d) 7 : 5

Q69. The number of hours per day spent in watching TV is _____ more by 17 year olds as compared to 15 year olds.

(a) 25%
(b) 20%
(c) 16.7%
(d) 30%

Q70. How many hours does a 16 year old spend watching TV in a week?

(a) 25.5
(b) 25
(c) 21
(d) 22.5

Q71. The area of an equilateral triangle is $9\sqrt{3}$ cm². Find its side (in cm).

(a) 3
(b) 6
(c) 12
(d) 18

Q72. The area of a circle is 38.5 cm². Find its diameter (in cm).

(a) 7
(b) 14
(c) 10

(d) 20

Q73. Find the total surface area (in cm²) of a hemisphere of diameter 7 cm.

(a) 105.5
(b) 99
(c) 77
(d) 115.5

Q74. ΔXYZ is right angled at Y. If angle Z = 30^o, then find the value of (cos X – 1/√3).

(a) 3/2
(b) 1 – √2
(c) (4 – √3)/2√3
(d) (√3 – 2)/2√3

Q75. In ΔABC measure of angle B is 90^o. If sin A = 15/17, and AB = 0.8 cm, then what is the length (in cm) of side BC?

(a) 1.5
(b) 1.7
(c) 2
(d) 2.5

GENERAL AWARENESS

Q76. Participatory Notes (PNs) are associated with which one of the following?

(a) Consolidated Fund of India
(b) Foreign Institutional Investors
(c) United Nations Development Programme
(d) Unemployment Related Index

Q77. In which of the following years was the Food Corporation of India (FCI) set up?

(a) 1955
(b) 1960
(c) 1965
(d) 1970

Q78. The word monsoon refers to _____.

(a) blowing of wind in one direction always
(b) blowing of wind swiftly
(c) blowing of wind slowly
(d) Changing the direction of winds

Q79. Which of the following cities is NOT situated on the bank of river Ganga?

(a) Kanpur
(b) Patna
(c) Varanasi
(d) Lucknow

Q80. Which of the following Harappan sites used mud-bricks in ample for the construction of houses?

(a) Mohenjodaro
(b) Harappa
(c) Kalibangan
(d) Chanhudaro

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Q81. Which of the following newspapers is NOT related to ‘Madan Mohan Malaviya’?

(a) Leader
(b) Comrade
(c) Hindustan
(d) Abhyudaya

Q82. Who is considered the first real founder of Jainism?

(a) Parshwanath
(b) Rishabhdeva
(c) Neminath
(d) Arishtanemi

Q83. The 7th International Ground Water Conference was hosted by which country from December 11 to 13, 2017?

(a) China
(b) India
(c) South Africa
(d) Australia

Q84. Which film was awarded with the ‘best film’ in the international film competition category at the 23rd Kolkata International Film Festival (KIFF) that concluded in November 2017?

(a) Los Perros
(b) Swan
(c) Kupal
(d) Birds are singing in Kigali

Q85. In which year Pakistan became a federal republic?

(a) 1948
(b) 1956
(c) 1971
(d) 1975

Q86. Which of the following element has the highest electronegativity?

(a) Fluorine
(b) Sodium
(c) Chlorine
(d) Oxygen

Q87. Bohr’s model is related to which of the following?

(a) Plum pudding model
(b) Nuclear theory
(c) The concept of quantization of energy
(d) Dual nature of the electron

Q88. Which among the following comes under Union List of Indian Constitution?

I. Defense
II. Inter-state Trade and Commerce
III. Banking

(a) Only I
(b) Only II
(c) Both I and II
(d) All I, II and III

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Q89. In India, Financial Emergency can be extended for what maximum duration?

(a) Six months
(b) Nine months
(c) Two years
(d) Indefinite period

Q90. The process in which the organism can be cut into any number of pieces and each piece grows into a complete organism is called _____.

(a) Regeneration
(b) Budding
(c) Spore formation
(d) No option is correct.

Q91. Which meristem increases the length of the stems and the roots?

(a) Apical meristem
(b) Lateral meristem
(c) Intercalary meristem
(d) Nodal meristem

Q92. In December 2017, the scheme named 'PMVVY' was launched. It aims to provide social security during old age. What is the limit of the maximum purchase price under this scheme?

(a) Rs. 5,00,000
(b) Rs. 7,50,000
(c) Rs. 10,50,000
(d) Rs. 12,50,000

Q93. Which type of battery is used in the world's first fully electric cargo ship launched by China?

(a) Zinc-carbon battery
(b) Lithium-ion battery
(c) Zinc-air battery
(d) Lead-acid battery

Q94. In January 2018, Atal Pension Yojana (APY) crossed 80 lakh subscribers. What is the maximum amount of monthly pension the beneficiary can get under APY?

(a) Rs. 4000
(b) Rs. 5000
(c) Rs. 10,000
(d) Rs. 15,000

Q95. On 27 January 2018, the Ministry of Electronics and Information Technology launched which initiative for Women Health and Hygiene?

(a) Stree Swabhiman
(b) Mahila Swabhiman
(c) Nari Swabhiman
(d) Nari Shakti

Q96. Calculate the time period (in seconds) of a sound wave of wavelength 3 m traveling with a speed of 300 m/s.

(a) 900
(b) 0.02
(c) 450
(d) 0.01

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Q97. Sound is produced by _____ objects.

(a) Perpetual
(b) Uniform
(c) Stable
(d) Vibrating

Q98. _____ constitute the biotic component of the biosphere.

(a) Non-living and Living things
(b) Living things
(c) Minerals
(d) Atmosphere

Q99. Which of the statements given below is correct?

A) France hosted the 2017 World Team Chess Championship.
B) In 2017 Pro Kabaddi League, Amit Hooda played for Bengal Warriors.
C) In 2017, LeBron James played for the NBA team New Orleans Pelicans.

(a) Only B
(b) Only C
(c) Both A and B
(d) No option is correct

Q100. In HTML, _____ pair defines a cell and number of such pairs you use will define the number of cells your row is divided into.In HTML, _____ pair defines a cell and number of such pairs you use will define the number of cells your row is divided into.

(a) <table></table>
(b) <tr></tr>
(c) <td></td>
(d) <th></th>

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (b) Incommunicable

The correct answer is incommunicable.

Key Points

• The correct spelling is I-N-C-O-M-M-U-N-I-C-A-B-L-E.
• It means incapable of being communicated or shared. it is an adjective.
• Ex. 'It is difficult to share the incommunicable experiences of war.'

• Communicate: Share or exchange information, news, or ideas.

• Communicable: Able to communicate.

• The English prefix 'in' can also, however, mean “not.” Some examples of 'in' meaning “not” include insane, or “not” sane, independent, or “not” dependent, and incommunicable or “not” communicable.

Hence, the correct answer is 'Incommunicable.'

Q2. Answer: (b) BAC

The correct answer is BAC.

Key Points

• The first sentence in the sequence should suitably follow ‘our’. A verb cannot follow so we cannot have sentence C as the first sentence in the sequence (‘our promote a kind…’ is not correct). Sentence B seems to be a proper sentence to follow ‘our’.

• ‘When we use our personal standards for…’

• Now, the question arises – personal standards for what?

• So, the next sentence can be A – personal standards for beauty.

• ‘When we use our personal standards for beauty to group others …’ - This is leading to a meaningful sentence.

• The sentence is completed when C becomes the final part.

Correct sentence: ‘When we use our personal standards for beauty to group others, we promote a kind of apartheid’

Q3. Answer: (d) No improvement

The correct answer is No improvement.

Key Points

• The word partition is a singular noun. So, has and not have should follow. So, we can eliminate option 1.

• Also, when the structure of the sentence is ‘has been + verb’, the verb takes its past participle form.

• Let us understand this by example:

• The cars have been washed. (past participle form of wash)

• The car has been manufactured by the Tata Group. (past participle form of manufacture)

• Hence, we can eliminate option 3. (billed should be used and not bill)

• ‘Partition has been billed …’ is correct and needs no improvement.

• Therefore, the correct answer is option 4.

• Note – the word billed here means to declare officially.

Correct sentence: 'The Partition has been billed (declared) as a distressing phase in the subcontinent’s history.'

Q4. Answer: (d) No improvement

The correct answer is No improvement.

Key Points

• We find that the first part of the sentence is in the simple present tense (I worry).

• The author is worried about something that is taking place.

• The next part of the sentence should be in the present tense as well. So, we can eliminate option 3.

• Also, the action is taking place and has not stopped. we should use ‘is killing’ and not ‘is killed’.

• Thus, no improvement is needed.

Correct sentence*:* 'I worry that social media (is killing) creativity.'

Q5. Answer: (a) Scant

The correct answer is Scant.

Key Points

• Let us look into the meaning of the given words:

• Scant – Very little or not sufficient, barely amounting to a specified number or quantity

• Ex. He does not scant his attention to the later writings

• Deluge – a very large amount of water or rain, a severe flood.

• Ex. A deluge of rain hit the plains

• Plethora – a large amount of something.

• Ex. A plethora of letters

• Surfeit – an excessive amount of something.

• Ex. A surfeit of blood

• The word scant expresses the desired meaning.

Hence, the correct answer is 'Scant'.

Q6. Answer: (a) Laceration

The correct answer is Laceration.

Key Points

• Let us look into the meaning of the given words:

• Laceration – A deep tear or cut in one's skin. Ex. The body showed signs of laceration and bruising.

• Termination – The act of ending something. Ex. The termination of the contract by the company

• Cessation – A temporary or the complete stopping of something. Ex. A cessation of conflicts

• Desistance – The act of stopping something. Ex. The cease-and-desist letter said that if the researchers should shut down the tool

• We can see that the word Laceration expresses the desired meaning.

Hence, the correct answer is 'Laceration'.

Q7. Answer: (c) To trick or lie to someone in a playful way.

The correct answer is To trick or lie to someone in a playful way.

• The meaning of the phrase 'Pulling your leg' means to tease someone or to play a joke by telling something which is untrue.

• Example : 'Stop pulling my leg – I know that you did not meet him'.

Therefore, the correct answer is 'To trick or lie to someone in a playful way.'

• Idioms related to 'pull':

• Pull your socks up - saying in an angry way that you should do something better.

• Pull the plug on an activity, you stop it,

• Pull the rug from under someone's feet, you suddenly stop supporting them or do something that causes serious problems for them.

Q8. Answer: (c) To make someone feel very interested in something

The correct answer is To make someone feel very interested in something.

Key Points

• The phrase 'Fire the imagination' means to make someone feel very enthusiastic (inspired / interested) to do something.

• Example : A successful athlete as a role model has the power to fire the imagination of the young children.

Hence, the correct answer is 'To make someone feel very interested in something.'

Additional Information

• Other idioms about 'enthusiasm':

• (on the) edge of one's seat - Very interested in something and finds it both extremely exciting and nerve-wracking.

• Ants in one's pants - People who have ants in their pants are very restless or excited about something

• Go the extra mile - If you go the extra mile, you do more than what is expected of you

• Hold your horses - If you tell someone to hold their horses, you think they are doing something too fast and should slow down and not rush into further action.

Q9. Answer: (b) By

The correct answer is By.

Key Points

• The word 'assertion' means a forceful and confident statement of fact or belief.

• The correct preposition that follows 'assertion' in the given context is by.

• We can use a phrase with 'by' to say who did the action: Ex. The new street was opened by the Mayor.

• This means that a confident statement stated by the leaders (without any proof) is sufficient for the followers of the leader to accept the claims/ideas. (acquiesce – to accept something without protest).

• This makes reasonable sense and is in line with the thought flow expressed by the author.

Correct sentence: 'Mere assertion by the leaders seems sufficient for the multitude of followers to acquiesce.'

Additional Information

• With - accompanied by (another person or thing).

• Ex. "a nice steak with a bottle of red wine"

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• To -
• Used to indicate the place, person, or thing that someone or something moves toward, or the direction of something.
• Ex. I am heading to the entrance of the building.
• Used to indicate a limit or an ending point:
• Ex. The snow was piled up to the roof.
• Used to indicate a relationship:
• Ex. My answer to your question is in this envelop.
• Used to indicate a time or a period:
• Ex. I work nine to six, Monday to Friday
• At-
• Used as a function word to indicate presence or occurrence in, on, or near
• Ex. Staying at a hotel
• Used as a function word to indicate the goal of an indicated
• Ex. Aim at the target
• Used as a function word to indicate that with which one is occupied or employed
• Ex. At work
• Used as a function word to indicate the means, cause, or manner
• Ex. Sold at auction
• Used as a function word to indicate age or position in time
• EX. Will retire at 65

Q10. Answer: (a) Acceptance

The correct answer is Acceptance.

Key Points

• Looking at the structure of the sentence, we need a noun in the blank.
• The preposition 'of' follows a noun and not a verb.
• Note – The meaning of the word multitude: a large number of people
• Acceptance (noun) - the action of consenting to receive or undertake something offered or believe or come to recognize as valid or correct. ex. charges involving the acceptance of bribes
• Accept (verb) - Consent to receive or undertake (something offered). ex. he accepted a pen as a present
• Acceptor (noun) - a person or thing that accepts or receives something.
• Acceptant (Adjective) - willingly accepting (something).
• Here we have to use 'Acceptance' (come to recognize as valid), as acceptance of illogical idea makes sense. other options don't make sense.

Correct sentence: 'find this blind acceptance of illogical ideas by the multitude'.

Q11. Answer: (a) Authoritatively

The correct answer is Authoritatively.

Key Points

• Since the conjunction and is used before the blank, the word that fills the blank should be similar to ‘solemnly’.
• Also, the word should be equivalent in structure i.e., and connects two similar forms of words: Consider ‘…A and B…’ If A is a noun, so is B. If A is an adverb, so is B.
• For example, She likes cooking and dancing (not she likes cooking and to dance)
• Here, ‘solemnly’ is an adverb – a word that adds a description to the verb. (usually, adverbs end with –ly)
• Solemnly means showing determination and seriousness.
• We need an adverb to fill the blank in a similar context. Option 1 seems appropriate.
• Authoritatively means in a confident and respected manner.
• Therefore, the correct answer is option 1.

Correct sentence: 'solemnly and Authoritatively Particularly in the'.

Q12. Answer: (c) Without

The correct answer is Without.

Key Points

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• We need to understand the tone and the context of the sentence. The author states that the most illogical ideas are accepted (ideas which are not reasonable and lack logic).

• Now, we can sense the author's surprise, shock or concern in this sentence.

• So, the most appropriate word to fill the blank will be without.

• This highlights the concerned tone of author. (If the most illogical ideas are debated or examined, then there will no hint of concerned tone in the sentence – so we cannot use 'with')

Correct sentence: 'The most illogical ideas are accepted without dispute or examination…'

Q13. Answer: (a) As

The correct answer is As.

Key Points

• 'As' is used to mean to the same extent or degree. Here, the sentence conveys that people take absurd ideas equal to truth.

• As is a conjunction. A conjunction is a more simple connecting word— it can connect everything from full sentences to individual words and does not itself define the relationship between the two items it connects.

• 'Like' is a preposition that means 'similar to'. A preposition is a word that positions nouns in relation to one another, i.e. the when, where, and how regarding the noun's role in a sentence: in the house, at home, like him etc.

• Such -

of the type previously mentioned. Ex. "I have been involved in many such courses"

• Just - very recently; in the immediate past. Ex. I've just seen the local paper

• 'As' fits perfectly in the given blank.

Correct sentence: 'absurd ideas as truth, providing'

Q14. Answer: (a) Encouragement

The correct answer is Encouragement.

Key Points

• The correct spelling is E-N-C-O-U-R-A-G-E-M-E-N-T.

• It means behaviour that gives someone confidence to do something.

• Ex."The kids need encouragement from their parents".

Hence, the correct answer is 'Encouragement'.

Q15. Answer: (c) The principal said that he wanted to meet her parents.

The correct answer is The principal said that he wanted to meet her parents.

Key Points

• In Direct speech, the message is conveyed in the words of the author or the concerned person.

• In Indirect speech, the message is conveyed in our words.

• When we convert Direct speech to Indirect speech,

• We omit the inverted commas.

• Also, the conjunction that is added before introducing the words spoken between quotation marks ("…"). So, we can eliminate option 1.

• We cannot change the tone of the sentence.

• The principal did not ask if he could meet her parents. He did not seek any such permission. So, we can eliminate option 4.

• Also, the simple tense changes to past tense. Here, wants will change to wanted.

Correct sentence: 'The principal said that he wanted to meet her parents'.

Q16. Answer: (b) The needles must be delivered by Kiara.

Subject is someone that works on the object.

When the subject performs the action – it is Active Voice.

When the subject is being acted upon by the verb – it is Passive Voice.

The meaning conveyed by the sentence in both voices will remain the same. Only sequence of the subject and the object (or the action) changes.

In Active voice – Subject + verb + object is the sequence.

In Passive voice – Object + verb + Subject is the sequence.

In the given sentence, Kiara is the subject because she is doing an action. She must deliver the needles. The action is done on the object which is the needles here. So, the sentence in the question is in its Active Voice.

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To change it into passive voice, the sentence should begin with the object ‘the needles’.

While doing the conversion, the verbs are also changed. Some notable conversions are :

Active Voice : ‘She climbs the stairs everyday’

Passive Voice : ‘The stairs are climbed by her every day’

climbs --> were climbed

Active Voice : ‘She is eating an apple.’

Passive Voice : ‘An apple is being eaten by her.’

is eating --> is being eaten

Following these thumb rules, the same sentence in the passive voice is

‘The needles must be delivered by Kiara’

We should not change the tone of the sentence. So, 'must' should be used and not 'should' (Option 3 is incorrect).

Therefore, the correct answer is option 2.

Q17. Answer: (b) QRP

The correct answer is QRP.

Key Points

• The word that follows ‘the’ should be a specific noun. So, Q should be the first in sequence as ‘the state identifies…’ seems correct.

• This can be followed by R and the sentence so formed is ‘When the state identifies some practices as incompatible with the civilised norms...’ (This indicates that some practices are not in accordance with the civilised norms.)

• This can be followed by P to complete the sentence meaning that such practices can be considered as inhuman.

• Therefore, the correct sequence is QRP, making option 2 the correct answer.

Complete sentence: 'When the state identifies some practices as incompatible with the civilised norms demonstrate that these are wholly inhuman'.

Q18. Answer: (c) Disappoint

the correct answer is DIsappoint.

Key Points

• Gratify means to make someone feel satisfied and pleased. So, we can eliminate option 1 as satisfy expresses a similar meaning.

• Disappoint expresses the opposite meaning and therefore, the correct answer is option 3.

• Pamper means to give someone special treatment. ‘She is pampered by her father’

• Enchant means to fill someone with great delight. ‘She was enchanted by his idea’

Hence, the correct answer is 'DIsappoint'.

Q19. Answer: (d) Modest

The correct answer is Modest.

• Exorbitant - too high or too large or exceeding the customary.

• Ex. The exorbitant cost of the test.

• Ex. The school is charging exorbitant fees.

• Expensive and High are similar in meaning.

• Ex. keeping a car is expensive.

• Ex.a high-temperature

• Options 1 and 2 are eliminated.

• Modest means not large in size and amount.

• Ex. They live in a modest house

• This word expresses the opposite meaning.

Therefore, the correct answer is Modest.

Q20. Answer: (d) Priority

The correct answer is Priority.

Key Points

• Let's have a look at the meaning of the given words:

• Precedence - is the condition of being considered more important.

• Ex. Village shoppers gave courteous precedence to a visiting foreigner
• Uprise – to stand or rise up. It can also mean an act of opposition by many people against those who are in power.
• Ex. Uprise! we have lots of work to do today!
• Insignificance – the quality of being unimportant
• Ex*. The matter of discussion was insignificant.*
• Priority – the fact of being treated as more important than the others.
• Ex. He was giving more priority to the family than his friends.
• We find that the word priority expresses the desired meaning

Q21. Answer: (b) Effective

The correct answer is Effective.

Key Points

• The meaning of the cogent word is clear, logical and convincing
• Ex. a cogent argument, a cogent reason
• Invalid means something is no longer useful. So, option 1 is eliminated.
• Inconclusive means leading to no conclusion or result and Unlikely means doubtful. these are not similar in meaning. So, options 3 and 4 are also eliminated. Ex. that debate was inconclusive, ex. it's unlikely that he will show up.
• Effective is used to indicate that something works well and produces the desired results, therefore the 'effective' is closest to the meaning of 'cogent'.

Q22. Answer: (d) Through

The phrase that we are here referring to is ‘look through somebody or something’. It means to pretend not to notice somebody or something.

The sentence conveys that although he pleaded (begged/requested), she ignored/pretended to not notice his insincere apologies.

Therefore, the correct answer is option 4.

Complete sentence - Despite his pleas, she looked through his insincere apologies

Q23. Answer: (b) But

The conjunction ‘but’ is used to connect ideas that contrast. Such contrast (or difference in tone/ action) is unexpected.

In order to get more clarity, let us consider the following sentence : Tim loves to dance but he does not dance in public.

The first part tells us that Tim loves to dance. The second part is contrasting because it tells us that he does not dance in public. So, the conjunction but is used to connect ideas highlighting contrast.

In the given question, she was miserable still, she didn’t tell him about her misery. Thus, the ideas contrast and can be suitably connected by using but.

Therefore, the correct answer is option 2.

Complete sentence - She was miserable but she didn’t tell him

Q24. Answer: (a) 1

The error lies in part 1 of the sentence. Therefore, the correct answer is option 1.

Here, instead of later, we should use late. ‘During the late 19^(th) century’, ‘In the late 19^(th) century', 'By the late 19^(th) century' etc. are the correct ways in which we indicate the later part of the years 1801-1899.

Correct sentence - During the late 19th and early 20th centuries, forest preservation programmes were established in British India, the United States, and Europe.

Q25. Answer: (d) 4

The sentence is grammatically correct and contains no error. Therefore, the correct answer is option 4.

‘The’ is used before singular and plural nouns when the noun is specific. So, the use of ‘the’ before production of endorphins is correct. (‘… can trigger production of endorphins’ would have been incorrect).

Q26. Answer: (d) Chapter : Book

As ‘Tyre’ is a part of ‘Car’, similarly, ‘Chapter’ is a part of ‘Book’.

Q27. Answer: (a) 31 : 93

The logic followed here is:

First term × 3 = Second term

In 41 : 123

41 × 3 = 123
Similarly,
In 31 : 93
31 × 3 = 93
Hence, the correct answer is "31 : 93".

Q28. Answer: (b) JLK

The pattern followed here is:-
GPQ is related to ENO as:-
Similarly,
LNM is related to JLK as:-
Hence, the correct answer is "JLK".

Q29. Answer: (b) Aquarium

The logic followed here is :-
Waterfall, River and Sea all are natural water resources.
Aquarium is not a natural water resource.
Hence, the correct answer is "Aquarium".

Q30. Answer: (b) 74 – 70

The logic followed here is:-
Number on left side = Number of right side + 2
1) In 62 – 60
62 = 60 + 2 → 62 = 62
2) In 74 – 70
74 = 70 + 2 → 74 ≠ 72
3) In 18 – 16
18 = 16 + 2 → 18 = 18
4) In 34 – 32
34 = 32 + 2 → 34 = 34
It can be seen clearly that 74 – 70 doesn't follow the logic and is the odd one out.
Hence, the correct answer is "74 – 70".

Q31. Answer: (c) NMKJ

The pattern followed here is:-
1) VUTS
2) RQPO
3) NMKJ
4) IHGF
It can be seen clearly from the above that ‘NMKJ’ is the odd one out as it does not follow the pattern.
Hence, the correct answer is "NMKJ".

Q32. Answer: (d) Exposing

The correct order of the given words as they would appear in an English dictionary is as shown below:-
2. Expertise
1. Expiration
5. Explosion
4. Exposed
3. Exposing
As can be seen clearly the word ‘Exposing’ will come at the LAST position.
Hence, the correct answer is "Exposing".

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Q33. Answer: (b) 469

The pattern followed here is:-

Hence, the correct answer is "469".

Q34. Answer: (b) NP

The pattern followed here is:-

Hence, the correct answer is "NP".

Q35. Answer: (a) 66

Given → Ratio of the present ages of Piyush and Bharat is →11 : 13

Let the present age of Piyush be 11x and that of Bharat be 13x

The ratio of ages of Piyush and Bharat 15 years ago was → 17 : 21

So, the value of x is :-

11x - 15/13x - 15 = 17/21

21 (11x - 15) = 17 (13x - 15)

231x - 315 = 221x - 255

231x - 221x = -255 + 315

10x = 60

x = 6

Therefore, the present age of Piyush → 11x → 11 × 6

The present age of Piyush = 66

Hence, the correct answer is "66".

Q36. Answer: (d) Trainer

Given word → Commissioner

1) Common → Commissioner (all the letters are present so, the word can be formed)

2) Some → Commissioner (all the letters are present so, the word can be formed)

3) Miss → Commissioner (all the letters are present so, the word can be formed)

4) Trainer → Commissioner (Letters T and A are not present as well as only single R is present so, the word Trainer CANNOT be formed)

Hence, the correct answer is "Trainer".

Q37. Answer: (c) HIJIGX

The pattern followed here is:-

INDUCE is coded as MRHYGI

Similarly,

DEFECT is coded as HIJIGX

Hence, the correct answer is "HIJIGX".

Q38. Answer: (b) 8

Given → 9 ÷ 4 - 30 + 10 × 13 = ?

Symbol	÷	•	•	×
Code	•	×	÷	•

After replacing the symbols with their code

New Equation → 9 + 4 × 30 ÷ 10 - 13

Now, applying BODMAS Rule, we get:-

9 + 4 × 30 ÷ 10 - 13

9 + 4 × 3 - 13

9 + 12 - 13

21 - 13 = 8

Hence, the correct answer is "8".

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Q39. Answer: (b) ÷ and -

Given equation → 8 - 4 ÷ 25 + 12 × 2 = 1

Checking options one by one:-

1) + and ×

After interchanging the signs we get:-

8 - 4 ÷ 25 × 12 + 2 = 1

Now, after applying BODMAS Rule we get:-

8 - 4 ÷ 25 × 12 + 2 = 1

8 - 0.16 × 12 + 2 = 1

8 - 1.92 + 2 = 1

8 + 2 - 1.92 = 1

10 - 1.92 = 1

8.08 ≠ 1

Left hand side is not equal to right hand side.

2) ÷ and -

After interchanging the signs we get:-

8 ÷ 4 - 25 + 12 × 2 = 1

Now, after applying BODMAS Rule we get:-

8 ÷ 4 - 25 + 12 × 2 = 1

2 - 25 + 12 × 2 = 1

2 - 25 + 24 = 1

2 + 24 - 25 = 1

26 - 25 = 1

1 = 1

Left hand side is equal to right hand side.

3) + and ÷

After interchanging the signs we get:-

8 - 4 + 25 ÷ 12 × 2 = 1

Now, after applying BODMAS Rule we get:-

8 - 4 + 25 ÷ 12 × 2 = 1

8 - 4 + 2.08 × 2 = 1

8 - 4 + 4.16 = 1

8 + 4.16 - 4 = 1

12.16 - 4 = 1

8.16 ≠ 1

Left hand side is not equal to right hand side.

4) - and +

After interchanging the signs we get:-

8 + 4 ÷ 25 - 12 × 2 = 1

Now, after applying BODMAS Rule we get:-

8 + 4 ÷ 25 - 12 × 2 = 1

8 + 0.16 - 12 × 2 = 1

8 + 0.16 - 24 = 1

8.16 - 24 = 1

-15.84 ≠ 1

Left hand side is not equal to right hand side.

Hence, the correct answer is "÷ and -".

Q40. Answer: (d) 6

The logic/rule followed here is:

11*8 = 6 → (11 – 8) × 2 = 6

19*7 = 24 → (19 – 7) × 2 = 24

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14*6 = 16 → (14 – 6) × 2 = 16

Therefore,

12*9 = → (12 – 9) × 2 = 6

Hence, answer is ‘6’.

Q41. Answer: (c) XYXYXWZY

Z	W	X	Y	X	Y	X	Y
X	W	Z	Y	X	Y	X	Y
X	Y	Z	W	X	Y	X	Y
X	Y	X	W	Z	Y	X	Y
X	Y	X	Y	Z	W	X	Y
X	Y	X	Y	X	W	Z	Y

Hence, answer is ‘XYXYXWZY’.

Q42. Answer: (c) 5 km North

Taxi T travels 1 km South, then turns to its right and travels a further 3.5 km. Meanwhile taxi U travels 2.5 km East, then turns North and travels 4 km, then it turns to its left and travels 6 km.

Hence, the correct answer is "5 km North".

Q43. Answer: (d) Neither conclusion I nor conclusion II follows

The possible Venn diagram is as follows:

Conclusion I: Some polymers are rubbers → Doesn't follows (as it is not definite but possible)

Conclusion II: All rubbers are polymers → Doesn't follows (as it is not possible as 'No plastics are polymers')

Hence, the correct answer is "neither conclusion I nor conclusion II follows".

Q44. Answer: (c) B

The intersection of Rectangle and Triangle represent Event planners who are gamers.

Hence, the answer is ‘B’.

Q45. Answer: (c) LEQ

The pattern/logic followed here is:

X – 3 = U; U – 3 = R; R – 3 = O; O – 3 = L

Q – 3 = N; N – 3 = K; K – 3 = H; H – 3 = E

C – 3 = Z; Z – 3 = W; W – 3 = T; T – 3 = Q

Hence, answer is ‘LEQ’.

Q46. Answer: (b) 12

The pattern/logic followed here is:

Given series: 57, 52, 45, 36, 25, ?

57 – 5 = 52;

52 – 7 = 45;

45 – 9 = 36;

36 – 11 = 25

25 – 13 = 12

Hence, the correct answer is "12".

Q47. Answer: (d) (7, 13, 29)

The logic/rule/relation followed here is:

1) (13, 25, 51) → [13; 13 + (13 – 1) = 25; 25 + (25 + 1) = 51]

2) (17, 33, 67) → [17; 17 + (17 – 1) = 33; 33 + (33 + 1) = 67]

3) (10, 19, 39) → [10; 10 + (10 – 1) = 19; 19 + (19 + 1) = 39]

4) (7, 13, 29) → [7; 7 + (7 – 1) = 13; 13 + (13 + 3) = 29]

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Hence, the correct answer is "(7, 13, 29)".

Q48. Answer: (b) [figure]

The correct mirror image of the given figure when a mirror is placed on the line MN is as shown below:-

Hence, the correct answer is "Option 2".

Additional Information

• The mirror always forms the laterally inverted images, i.e. left changes to right and vice-versa.

• The reflection of an object in the water is called its water image.

• The water image of an object in the water is always vertically inverted, i.e. upside changes to downside and vice-versa.

• The water image is the mirror image in case if the mirror is placed horizontally below the object.

Q49. Answer: (d) [figure]

Given:-

When the unfolded cube is folded, the opposite faces of the cube will be:-

1) The face of dice with star will be opposite to the face with squares.

2) The face with plus will be opposite the face with hexagon.

3) The face with circle will be opposite to the face with a dot.

Now, checking options one by one:-

Option 1) Cube can be formed as no two opposite faces are present adjacent to each other.

Option 2) Cube can be formed as no two opposite faces are present adjacent to each other.

Option 3) Cube can be formed as no two opposite faces are present adjacent to each other.

Option 4) Cube CANNOT be formed as two opposite faces (i.e. squares and star are present adjacent to each other in the figure)

Hence, the correct answer is "Option 4".

Q50. Answer: (b) 42, 43, 98, 13

The pattern followed here is:-

A letter is represented first by its row and next by its column.

1) 23 → B; 75 → U; 44 → E; 88 → N (So, the letter cluster formed is BUEN)

2) 42 → G; 43 → A; 98 → S; 13 → H (So, the word formed is GASH)

3) 23 → B; 95 → P; 13 → H; 58 → W (So, the letter cluster formed is BPHW)

4) 11 → B; 78 → X; 20 → K; 87 → T (So, the letter cluster formed is BXKT)

Hence, the correct answer is "(42, 43, 98, 13)".

Q51. Answer: (b) 0.480101...

Calculation:

We can write 0.175959... = 0.17595959 …

Similarly, we can write 0.304141... = 0.30414141 …

Therefore (0.175959... + 0.304141...) = 0.17595959 … + 0.30414141 …

= 0.48010101 … = 0.480101...

Q52. Answer: (b) 5

Calculation:

Let the number be x

According to the question,

=> 2x + 16 = 6x – 4

=> 4x = 20

=> x = 5

Therefore Number is 5

Q53. Answer: (d) 4

Given:

$(\sqrt{(x + 5)} + \sqrt{x})/(\sqrt{(x + 5)} - \sqrt{x}) = 5$

Calculation:

Using Dividendo and Componendo

=> ((√(x + 5) + √x) + (√(x + 5) - √x))/((√(x + 5) + √x) - (√(x + 5) - √x)) = (5 + 1)/(5 - 1)

=> (2√(x + 5))/(2√x) = 6/4

=> (√(x + 5))/(√x) = 3/2

Squaring on both sides

=> (x + 5)/x = 9/4

=> 4x + 20 = 9x

=> 5x = 20

Therefore x = 4

Q54. Answer: (b) 19

Given:

(6√3 + 7√2)/(√108 + √50) = a + b√6

Calculation:

=> (6√3 + 7√2)/(6√3 + 5√2) × (6√3 - 5√2)/(6√3 - 5√2) = a + b√6

=> (108 - 30√6 + 42√6 - 70)/(108 - 50) = a + b√6

=> (38 + 12√6)/58 = a + b√6

=> 38/58 + (12√6)/58 = a + b√6

=> 19/29 + (6√6)/29 = a + b√6

On comparing, we get

a = 19/29, b = 6/29

Therefore 6a/b = (6 × 19/29)/(6/29) = 19

Q55. Answer: (d) 30°

Calculation:

We know, two angles whose sum is 90° are called complementary angles and two angles whose sum is 180° are called supplementary angles

Let the angle be x

According to the question,

=> (180° – x) = 5/2 (90° – x)

=> 360° – 2x = 450° – 5x

=> 3x = 90°

=> x = 30°

Therefore The angle is 30°

Q56. Answer: (b) obtuse angled

Calculation:

$9^2 > 6^2 + 4^2$

=> 81 > 36 + 16

=> 81 > 52

We know, if $a^2 > (b^2 + c^2)$ where a, b, and c are the side of a triangle, then the triangle is the obtuse-angled triangle

Therefore The given triangle is the obtuse-angled triangle

Q57. Answer: (d) 75

Given:

Puneet scored 10% marks in an exam and failed by 50 marks.

If he scored 40% marks, then he gets 25 marks more than passing marks.

Formula used:

Percentage = (value/total value) × 100

Calculation:

Let the total marks be x

According to the question,

=> (10x/100) + 50 = (40x/100) – 25

=> 3x/10 = 75

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=> x = 250

Thus, Total marks = 250

Passing marks = {(40/100) × 250} – 25

=> 100 – 25

=> 75

Therefore The passing marks for the exam is 75.

Q58. Answer: (a) 1008

Calculation:

Let the value of 10 rupees, 2 rupees, and 1 rupee coins are in the ratio of 15x : 8x : x

Ratio of number of coins = (15x/10) : (8x/2) : (x/1) = (3x/2) : 4x : x

According to the question

=> (3x/2) + 4x + x = 273

=> 13x/2 = 273

=> x = 42

Total value (in Rs) = 15x + 8x + x = 24x

= 24 × 42

= Rs. 1008

Q59. Answer: (c) 46 : 45

Calculation:

Vipin adds 3 litres of liquid A in 6 litres of liquid B

Percentage of B in first mixture = 6/9 × 100

Mohit adds 8 litres of liquid A in 15 litres of liquid B,

Percentage of B in second mixture = 15/23 × 100

Therefore Ratio of the percentage of liquid B in the two mixtures = 6/9 × 100 : 15/23 × 100 = 46 : 45

Q60. Answer: (d) 45

Calculation:

Let the first number be x.

So, 9 consecutive natural numbers are x, (x + 1), (x + 2), (x + 3)……..(x + 8)

Average = (sum of all the observations)/(total number of observations)

=> 41 = {x + (x + 1) + (x + 2) + (x + 3) + (x + 4) + (x + 5) + (x + 6) + (x + 7) + (x + 8)}/9

=> 41 × 9 = 9x + 36

=> 369 = 9x + 36

=> 9x = 333

=> x = 37

Therefore largest number = (x + 8) = 37 + 8 = 45

TRICK :

In this type of question Average would be the median. So, 41 is the 5^(th) number which is the median of 9 consecutive natural numbers. So, 9 consecutive natural numbers are 37, 38, 39, 40, 41, 42, 43, 44, 45

Therefore 41 + 4 = 45 is the largest among these numbers

Q61. Answer: (c) 10

Given:

Rate of interest = 12.5%

Simple interest = 5/4 of the principal

Formula used:

SI = PRT/100

Calculation:

Let the principal be 4x

So, simple interest = 4x × (5/4) = 5x

Now, according to the question

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=> 5x = (4x × 12.5 × Time)/100

=> Time = 10 years

Therefore The required time period is 10 years

Q62. Answer: (c) 61.29

GIVEN:

CP of a table = 62% × SP

FORMULA USED:

Profit % = (profit/CP) × 100

CALCULATION:

Let the SP of the table be Rs 100

CP of the table = 62% of 100 = 100 × (62/100) = Rs. 62

We know,

Profit = SP – CP = 100 – 62 = 38

We know,

Therefore Profit % = (profit/CP) × 100 = (38/62) × 100 = 61.29%

Q63. Answer: (b) 95

Short Trick :

Let CP be 100x, SP be 117x and MP be 195x.

Now, 195x = 3510

=> x = 18

Therefore CP = 1800

Profit % = (3510 - 1800)/1800 × 100 = 95 %

Detailed Solutions :

Let the MP of a trouser be Rs. 3510

Now, the shopkeeper allows a discount of 40%,

SP of the trouser = 3510 × {(100 – 40)/100} = 3510 × (60/100) = Rs. 2106

Also, Shopkeeper gains 17% profit after discount

CP of the trouser = S.P × {100/(100 + profit%)} = 2106 × (100/117) = Rs. 1800

If no discount is allowed, then

Profit = MP – CP = 3510 – 1800 = 1710

We know,

Therefore Profit % = Profit/CP × 100 = 1710/1800 × 100 = 95%

Q64. Answer: (a) 1.75

Calculation:

(4√16 + 4√625)/4√256

=> (4√(2 × 2 × 2 × 2) + 4√(5 × 5 × 5 × 5))/(4√(4 × 4 × 4 × 4))

=> (2 + 5)/4

=>7/4

=>1.75

Q65. Answer: (b) 39

Calculation:

Let N complete a wall in 100 days

M complete a wall = 100 × (160/100) = 160 days

So, the Ratio of their time (N : M) = 100 : 160 = 5 : 8

We know, efficiency is inversely proportional to the time

Thus, the Ratio of their efficiency (N : M) = 8 : 5

Time is taken by them to complete the wall together = 24 days

=> Total work done by them = (8 + 5) × 24 = 13 × 24 = 312

Therefore Time is taken by N alone to complete the wall = 312/8

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= 39 days

Q66. Answer: (d) 176

Calculation:

Time = distance/speed

=> Time = 84/42 = 2 hr

= 2 × 60

= 120 minutes

As he stops for 8 minutes at end of every 11 km so, he stops 7 times to cover 84 km (Because 11 × 7 = 77)

Total time taken by him = 120 + (8 × 7)

=120 + 56

= 176 minutes

Therefore Total time taken by him is 176 minutes

Q67. Answer: (c) 13

Calculation:

According to the graph,

teenagers of age 13 spend the least number of hours watching TV

Q68. Answer: (b) 3 : 7

Calculation:

Time spent per day watching TV by 14 year olds = 1.5 hr

Time spent per day watching TV by 18-year-olds = 3.5 hr

Therefore Required ratio = 1.5 : 3.5 = 3 : 7

Q69. Answer: (a) 25%

Calculation:

Time spent per day watching TV by 15-year-olds = 2 hr

Time spent per day watching TV by 17-year-olds = 2.5 hr

Required % = {(2.5 – 2)/2} × 100 = (0.5/2) × 100 = 25 %

Therefore The number of hours per day spent in watching TV is 25% more by 17-year-olds as compared to 15-year-olds

Q70. Answer: (c) 21

Calculation:

Hours per day spent in watching TV by 16-year-olds = 3 hr

Hours per week spent in watching TV by 16-year-olds

= 3 × 7

= 21 hr

Q71. Answer: (b) 6

Calculation:

We know,

Area of an equilateral triangle = (√3/4) × Side²

=> (√3/4) × Side² = 9√3

=> Side² = 36

Therefore Side = 6 cm

Q72. Answer: (a) 7

Formula:

Area of the circle = π × Radius²

Calculation:

=> π × Radius² = 38.5

=> (22/7) × Radius² = 38.5

=> Radius² = 12.25

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=> Radius = 3.5 cm
Diameter of the circle = 2 × Radius
= 2 × 3.5
= 7 cm
Therefore Diameter of the circle is 7 cm.

Q73. Answer: (d) 115.5

Given:
Diameter of hemisphere = 7 cm
Radius of hemisphere = Diameter/2 = 7/2
We know,
Total surface area of hemisphere = 3 × π × Radius²
= 3 × (22/7) × (7/2) × (7/2)
= 115.5 cm²

Q74. Answer: (d) (√3 – 2)/2√3

Given:
angle Z = 30° and angle Y = 90°
Calculation:
We know, by angle sum property,
=> angle X + angle Y + angle Z = 180°
=> angle X + 90° + 30° = 180°
=> angle X = 60°
Now,
Therefore cos X – (1/√3) = cos 60° – (1/√3) = (1/2) – (1/√3)
= (√3 – 2)/2√3

Q75. Answer: (a) 1.5

Given:
angle B = 90°
Sin A = 15/17
Calculation:
sinA = 15/17 = BC/AC
AB = √{AC² - BC²} = √{17² - 15²} = √{289 - 225} = √64 = 8 unit
Now,
AB = 0.8
i.e. 8 unit = 0.8
1 unit = 0.8/8 = 0.1
So, BC = 15 unit = 15 × 0.1 = 1.5
Therefore The correct answer is option (1).

Q76. Answer: (b) Foreign Institutional Investors

• Participatory notes, also known as P-notes are associated with Foreign Institutional Investors.
• Participatory notes are basically devices used outside India for making investments in the Indian stock market.

Q77. Answer: (c) 1965

The correct answer is 1965.
Key Points
Food Corporation of India:
• The Food Corporation of India is an organisation under the government of India.
• It was set up under the Food Corporation act in 1964.
• It was thus established in the year 1965.
• The key objectives of the Food Corporation of India are:
• Ensuring that farmers are not forced to sell their produce below MSP by providing effective price support operations.

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• Setting up purchase centres to buy produce from the farmers.
• Distribution of food grains throughout the country for the public distribution system.
• Maintaining a satisfactory level of operational and buffer stocks of foodgrains to ensure National Food Security.
• To intervene in the market for price stabilization.
• The headquarters of the food corporation of India is in New Delhi.
• The Ministry of Consumer Affairs, Food, and Public Distribution is the parent organisation of the food corporation of India.
• Thus, the Food Corporation of India was established in the year 1965.
LOGO

Q78. Answer: (d) Changing the direction of winds

• Monsoon is defined as the changing direction of winds accompanied by constant changes in the precipitation of the atmosphere causing the formation of a season reversing wind.
• A storm is an example of a monsoon wind that is responsible for heavy flood and other damages.

Q79. Answer: (d) Lucknow

The correct answer is Lucknow.
Key Points The Ganga System
• The Ganga is the most important river in India both from the point of view of its basin and cultural significance.
• It rises in the Gangotri glacier near Gaumukh (3,900 m) in the Uttarkashi district of Uttarakhand. Here, it is known as the Bhagirathi.
• It cuts through the Central and the Lesser Himalayas in narrow gorges.
• At Devprayag, the Bhagirathi meets the Alaknanda; hereafter, it is known as the Ganga.
• The Alaknanda has its source in the Satopanth glacier above Badrinath.
• The Alaknanda consists of the Dhauli and the Vishnu Ganga which meet at Joshimath or Vishnu Prayag.
• The other tributaries of Alaknanda such as the Pindar join it at Karna Prayag while Mandakini or Kali Ganga meets it at Rudra Prayag.
• The Ganga enters the plains at Haridwar. From here, it flows first to the south, then to the southeast and east before splitting into two distributaries, namely the Bhagirathi and the Padma.
• The river has a length of 2,525 km.
• It is shared by Uttarakhand (110 km) and Uttar Pradesh (1,450 km), Bihar (445 km), and West Bengal (520 km).
• The Son is its major right-bank tributary.
• The important left-bank tributaries are the Ramganga, the Gomati, the Ghaghara, the Gandak, the Kosi, and the Mahananda.
• The river finally discharges itself into the Bay of Bengal near Sagar Island.

Q80. Answer: (c) Kalibangan

• Kalibangan is a town located in Tehsil Pilibangan, which is 205 km from Bikaner.
• The walls of the fortification along with other constructions are made up of mud bricks which makes the town look unique.

Q81. Answer: (b) Comrade

The correct answer is Comrade
Key Points
• Madan Mohan Malviya:-
• An Indian scholar, educational reformer, and politician notable for his role in the Indian independence movement.
• Pandit Madan Mohan Malaviya was the three times president of the Indian National Congress and the founder of Akhil Bharatiya Hindu Mahasabha.
• Also played a major role in the formation of Banaras Hindu University.
• He was respectfully addressed as Pandit Madan Mohan Malaviya and also addressed as Mahamana.
• Comrade is not related to Madan Mohan Malaviya who had been served as the president of Indian National Congress for four times.
• Madan Mohan Malviya started to publish "Leader" in 1909.
• He started his career as the editor of "Hindustan".
Additional Information
• Comrade:-
• It was published and edited by Maulana Mohammad Ali between 1911 and 1914.

Q82. Answer: (b) Rishabhdeva

The correct answer is Rishabhdeva.

Key Points

• Rishabhdeva is considered the first real founder of Jainism.
• He is the first Tirthankara in Jainism and is also said to have lived a million years ago.
• Arishtanemi was the twenty-second Tirthankara in Jainism.
• Parshvanath was the twenty-third Tirthankaras of Jainism.
• Mahavir Jain was the twenty-fourth Tirthankaras of Jainism.
• Ajitanath was the second Tirthankara of Jainism.

Additional Information

• According to Jain Tradition, There were 24 Tirthankaras, The first being Rishabhdeva /Adinatha and the last being Mahavira.
• The name of two Jain Tirthankaras - Rishabhdeva & Aristhanemi are found in the Rig Veda.

24 Tirthankaras are:

Name	Symbol
Rishbhadeva	Bull
Ajitnath	Elephant
Sambharnath	Horse
Abhiaandam	Monkey
Sumatinath	Curlew
Padmaprabhu	Red Lotus
Suparswanath	Swastik
Chandraji Prabhu	Moon
Suvidinath	Crocodile
Shitalnath	Srivatsa
Shregnath	Rhinoceros
Vasupujya	Buffalo
Vimalnath	Boar
Anantnath	Falcon
Dharmanath	Vajra
Shantinath	Deer
Kuntunath	He- Goat
Arnath	Fish
Mallinath	Waterpot
Muniswasth	Tortoise
Neminath	Blue Lotus
Arishtanemi	Conch shell
Parshwanath	Serpent
Mahavira	Lion

Q83. Answer: (b) India

• The 7th International Ground Water Conference was hosted by India in New Delhi from Dec 11-13, 2017.
• “Ground Water Vision 2030- Water Security, challenges and Climate Change Adaptation” was the theme of the conference.

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Q84. Answer: (a) Los Perros

• Los Perros, directed by Marcela Said was awarded with the ‘best film’ in the International film competition category at the 23rd Kolkata International Film Festival (KIFF) that was held in November 2017.

• Los Perros also won ‘Platino Award’ for Best Actor and ‘Naguib Manfouz Prize’ for Best Screenplay.

Q85. Answer: (b) 1956

The correct answer is 1956.

Key Points

• South Asia contains the nation of Pakistan.

• With about 243 million inhabitants, it is the fifth most populous nation in the world.

• It is home to the second-largest Muslim population in the world, just after Indonesia.

• Up to its independence in 1947, all of modern-day Pakistan was still a part of the British Indian Empire as of 1893.

• Pakistan transitioned to a federal republic in 1956.

• The federal democratic republic with a semi-presidential system is another name for Pakistan's government.

Additional Information

• Shehbaz Sharif was sworn in as Pakistan's 23rd prime minister on April 11th, 2022.

• Sharif was sworn in by Senate President Sadiq Sanjarani.

Q86. Answer: (a) Fluorine

The correct answer is Fluorine

Key points

• It is the lightest halogen and extremely reactive gas.

• It can cause teeth decay, osteoporosis, and harm to kidneys, bones, nerves, and muscles.

• The electronegativity of fluorine is 3.98.

Additional Information

• Chlorine

• Gaseous chlorine is poisonous and classified as a pulmonary irritant.

• It causes health issues related to the respiratory tract.

• It is also a halogen gas placed 17th group.

• Sodium

• Sodium is a member of the alkali metal family with lithium and potassium.

• Sodium has a strong metallic luster and in color is very analogous to silver.

• It is soft at common temperatures that it may be formed into leaves by the pressure of the fingers.

• Sodium compounds soon tarnish on exposure to the air, though less rapidly than potassium.

Q87. Answer: (c) The concept of quantization of energy

The correct answer is The concept of quantization of energy.

Explanation:

• Bohr’s model was presented by Niels Bohr and Ernest Rutherford in 1913 and is related to the concept of quantization of energy.

• According to the concept the atom is defined as a system consisting of a dense nucleus surrounded by revolving electrons.

• The Bohr model of the atom was put forth by Neil Bohr in 1915.

• According to this idea, negatively charged electrons in an atom move in defined circular orbits or shells that encircle the positively charged nucleus.

• - The energy of each orbit or shell is known.

• - The energy levels are denoted by the quantum number =1,2,3, etc.), which is an integer. The nucleus side, which has the lowest energy level, is where this quantum number range starts.

• - The electrons of an atom can move from a lower energy level to a higher energy level by receiving the required energy, and from a higher energy level to a lower energy level by losing energy.

• Ernest Rutherford, a British scientist, conducted an experiment, and based on the findings, he suggested the atomic structure of the elements and developed the Rutherford Atomic Model (1911). The Thomson atomic model was developed in 1900, while the Bohr model of the atom was first proposed in 1915. As a result, it is the wrong choice.

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Q88. Answer: (d) All I, II and III

The correct answer is All I, II, and III.

Key Points

• Union List, also known as List-I, is a list of 100 items that were given in the 7^(th) schedule in the Indian Constitution.

• Defense, Banking, and Inter-State Trade and Commerce all come under this list.

• SEVENTH SCHEDULE (Article 246) List I—Union List

• 1. Defense of India and every part thereof including preparation for defense and all such acts as may be conducive in times of war to its prosecution and after its termination to effective demobilization.

• 42. Inter-State trade and commerce.

• 43. Incorporation, regulation, and winding up of trading corporations, including banking, insurance, and financial corporations, but not including co-operative societies.

• 45. Banking

Important Points

• State List: States have exclusive powers on this list to deal with.

• Public order, Railways Police, Public health and sanitation, Prisons, reformatories, Borstal institutions, and other institutions of a like nature, etc

• Concurrent List: Both Union and States can make laws on the subjects in this list.

• Bankruptcy and insolvency, Trust and Trustees, Prevention of cruelty to animals, etc.

Q89. Answer: (d) Indefinite period

The correct answer is the Indefinite period.

Key Points

• Financial Emergency

• Grounds of declaration: Article 360 empowers the president to proclaim a Financial Emergency if he is satisfied that a situation has arisen due to which the financial stability or credit of India or any part of its territory is threatened.

• Parliamentary approval and duration: A proclamation declaring financial emergency must be approved by both the Houses of Parliament within two months from the date of its issue.

• If the proclamation of Financial Emergency is issued at a time when the Lok Sabha has been dissolved or the dissolution of the Lok Sabha takes place during the period of two months without approving the proclamation, then the proclamation survives until 30 days from the first sitting of the Lok Sabha after its reconstitution, provided the Rajya Sabha has in the meantime approved it.

• Once approved by both the houses of Parliament, the Financial Emergency continues indefinitely till it is revoked.

Q90. Answer: (a) Regeneration

The correct answer is Regeneration.

Explanation:

Regeneration:

• Many fully differentiated organisms have the ability to give rise to new individual organisms from their body parts.

• That is if the individual is somehow cut or broken up into many pieces, many of these pieces grow into separate individuals.

• For example, simple animals like Hydra and Planaria can be cut into any number of pieces and each piece grows into a complete organism. This is known as regeneration.

• Regeneration is a process in which the organism can be cut into any number of pieces and each piece grows into a complete organism.

• Liver in the human body is the only organ capable of regeneration as it can be split in half and transplanted into two different bodies.

Budding:

• Organisms such as Hydra use regenerative cells for reproduction in the process of budding.

• In Hydra, a bud develops as an outgrowth due to repeated cell division at one specific site.

• These buds develop into tiny individuals and when fully mature, detach from the parent body and become new independent individuals.

• Bacteria, yeast and sea anemones are the organisms which reproduce through budding

Q91. Answer: (a) Apical meristem

The correct answer is Apical Meristem

Key Points

• Apical Meristem increases the length of the roots and stem as it produces auxin which is a plant hormone.

• It can be found at the tips of the shoot and root of a plant.
• The actual apical meristem is a cluster of densely packed and undifferentiated cells.
• In the shoot apical meristem, cells are only created in one direction.

Additional Information

• Lateral meristem
• Plants use lateral meristem tissue to grow in diameter as part of secondary growth.
• There are two types of lateral meristematic tissue—the vascular cambium and the cork cambium.
• Intercalary meristem
• The intercalary tissue in the middle of the plant is capable of rapid growth and regrowth.
• The intercalary tissue at the base of a blade of grass allows it to regrow after being cut.

Q92. Answer: (b) Rs. 7,50,000

The correct answer is Rs. 7,50,000

Key Points

• Pradhan Mantri Vaya Vandana Yojana:-
• It was launched in December 2017 and it aims to provide social security to people who are old in our society.
• Under this scheme limit of the maximum purchase price is Rs. 7,50,000.
• Note: Under this scheme limit of the maximum purchase price is doubled to Rs. 15,00,000 from Rs. 7,50,000.
• Other details of this scheme are:-
• - | Minimum Entry Age | 60 years (completed) |

Maximum Entry Age	**No limit**
Policy Term	10 years
Minimum Pension	Rs. 1,000/- per month Rs. 3,000/- per quarter Rs.6,000/- per half-year Rs.12,000/- per year
Maximum Pension	Rs. 10,000/-per month Rs. 30,000/-per quarter Rs. 60,000/- per half-year Rs. 1,20,000/- per year

Q93. Answer: (b) Lithium-ion battery

The correct answer is Lithium-ion battery.

Key Points

• The world’s first fully electric cargo ship was launched by China in 2017.
• It was manufactured by Guangzhou Shipyard International Company Ltd.
• It uses a Lithium-ion type of battery.
• The cargo ship is powered by a 26-tonne lithium battery.
• It can travel up to 80km with 2000 tonnes cargo on a single charge.
• The top speed of the first fully electric cargo ship is 12.8 km per hour.
• The highlighted feature of this cargo ship is its zero-emission.

Q94. Answer: (b) Rs. 5000

The correct answer is Rs. 5000.

Key Points

Atal Pension Yojana

• Atal Pension Yojana is a government-backed pension scheme, primarily targeted at the unorganised sector.
• It is a social security scheme launched by the government on 9th May 2015 to provide a defined pension between Rs 1,000 to Rs 5,000.
• Rs. 5000 is the maximum amount of monthly pension the beneficiary can get under the scheme.
• It aims of delivering old age income security, particularly to the workers in the unorganised sector with a guarantee of minimum pension after 60 years of age.
• APY can be subscribed by any Indian citizen in the age group of 18-40 years having a bank account and its uniqueness is attributable to three distinctive benefits.
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• APY is administered by Pension Fund Regulatory and Development Authority (PFRDA).

• 'Atal Pension Yojana' was launched by PM Modi on 9^(th) May 2015 in Kolkata and it is completely run by the Indian government.

Q95. Answer: (a) Stree Swabhiman

The correct answer is Stree Swabhiman.

Key Points

• On 27 January 2018, the Ministry of Electronics and Information Technology launched Stree Swabhiman an initiative for Women's Health and Hygiene.

• Under the initiative, adolescent girls and women will have easy access to cheap and eco-friendly sanitary napkins.

• 'Stree Swabhiman' aims to create a sustainable model for providing adolescent girls and women access to affordable sanitary products by leveraging CSCs (Common Services Centers)

• Under the 'Stree Swabhiman' project, sanitary napkin micro-manufacturing units are being set up at CSCs across India, particularly those operated by women entrepreneurs.

• The initiative is driven by awareness and personalized outreach by women entrepreneurs who produce and market sanitary napkins themselves.

Q96. Answer: (d) 0.01

The correct answer is 0.01.

Calculation:

Here, the velocity (v) = 300 m/s and wavelength = 3 m. Therefore, the frequency = 300/3 = 100 (f).

Now the time period = 1/100 = 0.01

Q97. Answer: (d) Vibrating

The correct answer is Vibrating

Key Points

• The sound is produced when an object vibrates and causes the medium around it to vibrate, which travel in longitudinal waves that reach our ear as sound.

• We hear the phone vibrate as the vibration of the device causes the air around it to vibrate, which then reaches our ear.

Q98. Answer: (b) Living things

The correct answer is Living things.

Explanation:

• Both biotic and abiotic elements are present in ecosystems.

• Biotic Components:

• Biotic Components are the living things that shape an ecosystem.

• It includes producers, consumers, and decomposers.

• All living things have a direct or indirect influence on other organisms in an environment.

• Example: plants, animals, humans, microorganisms etc.

• Abiotic Components:

• Abiotic Components are non-living components that influence the ecosystem.

• In biology and ecology, abiotic components and variables refer to non-living chemical and physical elements of the environment that have an effect on living things and the health of ecosystems.

• Example: Air, water, soil, etc.

Q99. Answer: (d) No option is correct

The correct answer is No option is correct.

Key Points

All the options are wrong and the corrected statements are as follows:

• Russia hosted the 2017 World Team Chess Championship. Hence Statement A is wrong.

• In the 2017 Pro Kabaddi League, Amit Hooda played for Tamil Thalaivas. Statement B is wrong.

• In 2017, LeBron James played for the NBA team Los Angeles Lakers. Statement C is wrong.

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Q100. Answer: (d) <th></th>

The correct answer is

Key Points

• :-

• It is usually used to define a cell and a number of such pairs are used to define the number of cells that the row is divided into.

• In HTML table is generally used to define a header cell.

Additional Information

• HyperText Markup Language:-

• First developed by Tim Berners-Lee in 1990, HTML is short for Hypertext Markup Language.

• HTML is used to create electronic documents (called pages) that are displayed on the World Wide Web.

• It is a language used for writing source codes for developing a webpage, inserting content, and other components in it.

• HTML is a markup language because it is used to distinguish HTML elements from the text.

• HTML is not a programming language, meaning it doesn't have the ability to create dynamic functionality. Instead, it makes it possible to organize and format documents, similar to Microsoft Word.

• When working with HTML, we use simple code structures (tags and attributes) to mark up a website page. For example, we can create a paragraph by placing the enclosed text within a starting *

• and closing *

• tag.

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