SSC CHSL Previous Paper 16 (Held On: 14 Oct 2020 Shift 1) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2020 • 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.

yourmocktest.com/pyq/ssc-chsl/ssc-chsl-previous-paper-16-held-on-14-oct-2020-shift-1-previo…

Scan the QR code or click the link to open it.

YourMockTest.com — Free Study Material

ENGLISH LANGUAGE

Q1. Directions: 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.

Gitanjali did not had school yesterday because it was a second Saturday.

(a) did not have
(b) does not have
(c) was not having
(d) No improvement

Q2. Directions: Each of the following questions has underlined idioms/phrases. Each sentence is followed by four options. Choose the option that best describes the meaning of the underlined idiom/phrase.

To restart his cash-strapped company he decided to apply for a bank loan.

(a) improving
(b) expensive
(c) impoverished
(d) expanding

Q3. Directions: Select the option that expresses the given sentence in direct speech.

Bharati told Rakesh to call her when he reached there.

(a) “Call her when you have reached here”, Bharati told Rakesh.
(b) “Call me when you reached there”, Bharati says to Rakesh.
(c) “Call me when you reach there”, Bharati told Rakesh.
(d) “Call him when you are reaching there”, Bharati told Rakesh.

Q4. Directions: Select the most appropriate word to fill in the blank.

Around one hundred _____ across the world participated in the conference.

(a) talents
(b) delegates
(c) clever
(d) intelligent

Directions

Directions: Comprehension: 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.

Champaner-Pavagadh Archaeological Park, a UNESCO World Heritage Site, is located in Panchmahal district in Gujarat, India. (1)____ is situated near the historical (2)__ of Champaner, a city which was founded by Vanraj Chavda, the (3)__ prominent king of the Chavda Dynasty, in the 8th century. He named it (4)__ his friend and general Champa, also known later as Champaraj. The heritage site is dotted with forts with bastions ranging (5)____ the hills of Pavagadh, and extending into the city of Champaner.

Q5. Select the most appropriate option to fill in blank number 1.

(a) It
(b) That
(c) They
(d) Which

Q6. Select the most appropriate option to fill in blank number 2.

(a) city
(b) tower
(c) fort
(d) garden

Q7. Select the most appropriate option to fill in blank number 3.

(a) chief
(b) more
(c) main
(d) most

Q8. Select the most appropriate option to fill in blank number 4.

(a) on
(b) from
(c) at
(d) after

Q9. Select the most appropriate option to fill in blank number 5.

(a) above
(b) to
(c) from
(d) away

Q10. Directions: Select the most appropriate ANTONYM of the given word.

RESPONSIBLE

(a) irresponsible
(b) disresponsible
(c) unresponsible
(d) illresponsible

Q11. Directions: 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 firing of the missile not only killed innocent persons and also created a political furore.

(a) but killed innocent person and also
(b) not only kill innocent persons and also
(c) not only killed innocent persons but also
(d) No improvement

Q12. Directions: Select the most appropriate ANTONYM of the given word.

NEAT

(a) Clear
(b) Strong
(c) Sharp
(d) Messy

YourMockTest.com — Free Study Material

Q13. Directions: Select the most appropriate synonym of the given word.

MANDIBLE

(a) Glory
(b) Praise
(c) Human
(d) Jaw

Q14. Directions: Identify the segment in the sentence, which contains the grammatical error.

Yesterday I searched in every my cupboard for the shirt I couldn't find.

(a) in every my cupboard
(b) for the shirt
(c) I couldn't find
(d) Yesterday I searched

Q15. Directions: Identify the segment in the sentence, which contains the grammatical error.

Despite of her tiredness, Meera went into the kitchen to make some dinner for the children.

(a) for the children
(b) Meera went into the kitchen
(c) Despite of her tiredness
(d) to make some dinner

Q16. Directions: Select the most appropriate option to fill in the blank.

According to experts, some sectors remain _____ during these difficult times, including banking and financial services, FMCG, food, and technology.

(a) repentant
(b) redundant
(c) repugnant
(d) resilient

Q17. Directions: Select the word which means the same as the group of words given.

A person who is blamed for something that someone else has done

(a) Opponent
(b) Enemy
(c) Competitor
(d) Scapegoat

Q18. Directions: Select the most appropriate meaning of the idiom.

Pull yourself together

(a) Be friendly with everyone
(b) Use a rope ladder
(c) Talk about fitness
(d) Regain composure

Q19. Directions: Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. Then he would give one leap, two leaps, through the snow, and sit up again on his hind legs and look all around.

B. A grey hare lived in the woods near a village.

C. Then he would prick up the other, jerk his whiskers, snuff, and sit up on his hind legs.

D. During the winter, when night came, he would prick up one ear and listen.

(a) ABCD
(b) CDBA
(c) BDCA
(d) BCDA

YourMockTest.com — Free Study Material

Q20. Directions: Select the INCORRECTLY spelt word.

(a) Pharmaceutical
(b) Belligerent
(c) Trousseau
(d) Tumulttous

Q21. Directions: Select the correctly spelt word.

(a) Witness
(b) Wisdum
(c) Welth
(d) Wimper

Q22. Directions: Select the option that expresses the given sentence in passive voice.

Sujata shared the results of her experiment with her colleagues.

(a) The results of her experiment are being shared with her colleagues by Sujata.
(b) The results of her experiment were shared with her colleagues by Sujata.
(c) The results of her experiment can be shared with her colleagues by Sujata.
(d) Her colleagues shared the results of her experiment with Sujata.

Q23. Directions: Select the most appropriate synonym of the given word.

AURA

(a) Noise
(b) Shriek
(c) Colour
(d) Halo

Q24. Directions: Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A: According to the EPR, the corporation expects such manufacturers to develop a collect back system for plastic waste.

B: The Municipal Corporation has introduced the extended producer's responsibility (EPR) for producers and generators of plastic waste.

C: The producers are persons engaged in the manufacture, or import of carrying bags, multilayered packaging and sheets, and persons using them.

D: They must formulate a plan to collect re-usable waste generated from their products within a prescribed timeframe.

(a) CADB
(b) BCAD
(c) ACBD
(d) DBCA

Q25. Directions: Select the word which means the same as the group of words given.

Act of giving up the throne

(a) Abandonment
(b) Renunciation
(c) Resignation
(d) Abdication

GENERAL INTELLIGENCE

Q26. Four number pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(a) 32 - 45
(b) 16 - 30

YourMockTest.com — Free Study Material

(c) 13 - 16
(d) 12 - 15

Q27. In a certain code language, if 'BURMUD' is written as 'RKHCKT', then how will 'ANGLE' be written as in that language?
(a) QDWBU
(b) HOPLY
(c) PCVAT
(d) REXCV

Q28. Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.
44 : 408
(a) 82 : 740
(b) 53 : 489
(c) 61 : 549
(d) 77 : 715

Q29. Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.
Temple : Church
(a) University : Student
(b) Hotel : Office
(c) College : University
(d) College : Theatre

Q30. Study the given pattern carefully and select the number that can replace the question mark (?) in it.
6 4 100 ; 7 5 144 ; 9 ? 169
(a) 7
(b) 6
(c) 3
(d) 4

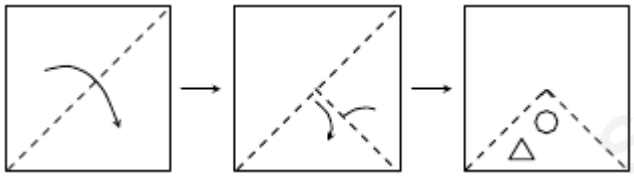
Q31. If A is the mother of B, X is the father of Y, H is the brother of J, L is the brother of Y's father, B is the sister of L and J is the husband of A, then how is J related to Y?
(a) Son-in-law
(b) Nephew
(c) Paternal grandfather
(d) Son

Q32. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
TALP : UXQO :: DUXR : ?
(a) FQBP
(b) FSDR
(c) ESBQ
(d) ERCQ

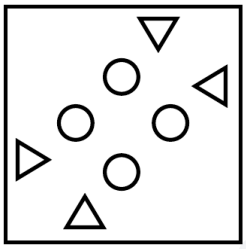
Q33. If '+' means 'divided by', '-' means 'add', '×' means 'minus' and '÷' means 'multiplied by', what will be the value of the following expression?
[{(12 × 8) - (2 ÷ 3)} + (3 - 2)] ÷ 2
(a) 5
(b) 4
(c) 3
(d) 12

YourMockTest.com — Free Study Material

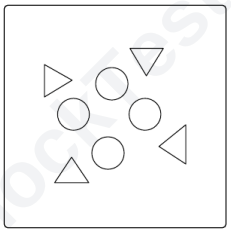
Q34. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



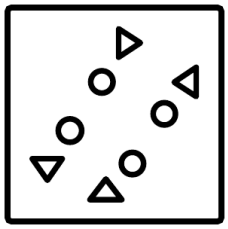
(a)



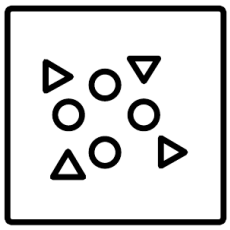
(b)



(c)

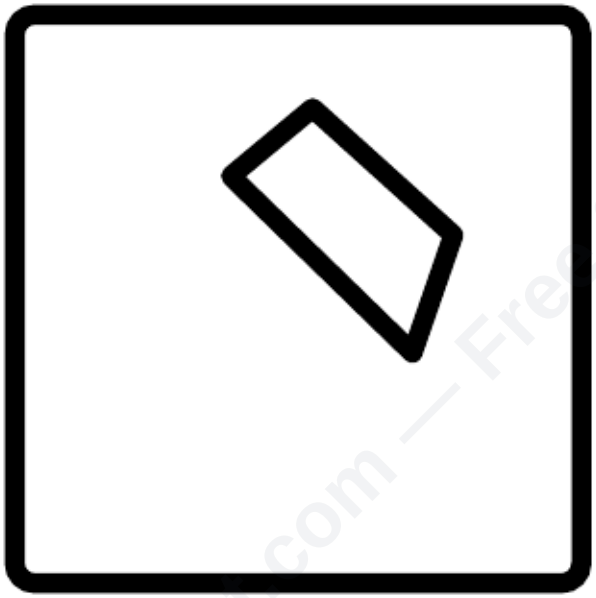


(d)

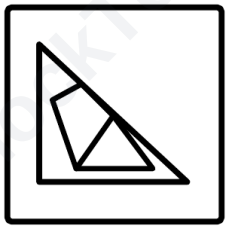


Q35. Select the option in which the given figure is embedded. (Rotation is not allowed)

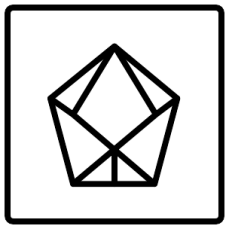
YourMockTest.com — Free Study Material



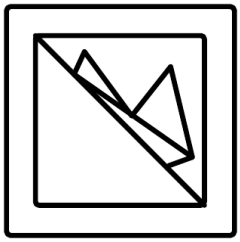
(a)



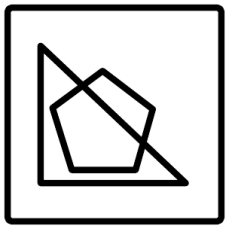
(b)



(c)



(d)



YourMockTest.com — Free Study Material

Q36. If '+' means '÷' ; '×' means '+' ; '÷' means '-' and '-' means '×'. Then what will be the value of the following expression?

18 + 3 - 5 × 6 ÷ 4

(a) 32
(b) 30
(c) 15.5
(d) 13.5

Q37. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow(s) from the statements.

Statements:

1. No butter is jam.

2. Banana is a butter.

Conclusions:

I. Banana is not a jam.

II. Banana may or may not be a jam.

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

Q38. Select the combination of letters that when sequentially placed from left to right in the gaps of the given letter series will complete the series.

_ k _ _ mmk _ ikiim _ _ ki _ i _ _ mkk

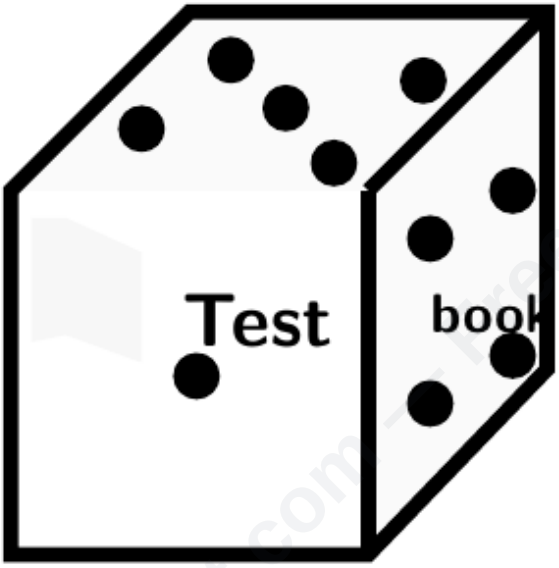
(a) iikimimmk
(b) iiikmkkim
(c) kiikmkkik
(d) miikmkiim

Q39. If O = 20, LIT = 46, how will PIG be coded using the same code language?

(a) 46
(b) 53
(c) 37
(d) 41

Q40. In a dice 1, 2, 3 and 4 dots are on the adjacent faces, in a clockwise order, and 5 and 6 dots at the top and bottom. When 1 dot is at the top, then what number of dots will be at the bottom?

YourMockTest.com — Free Study Material



(a) 4
(b) 6
(c) 2
(d) 3

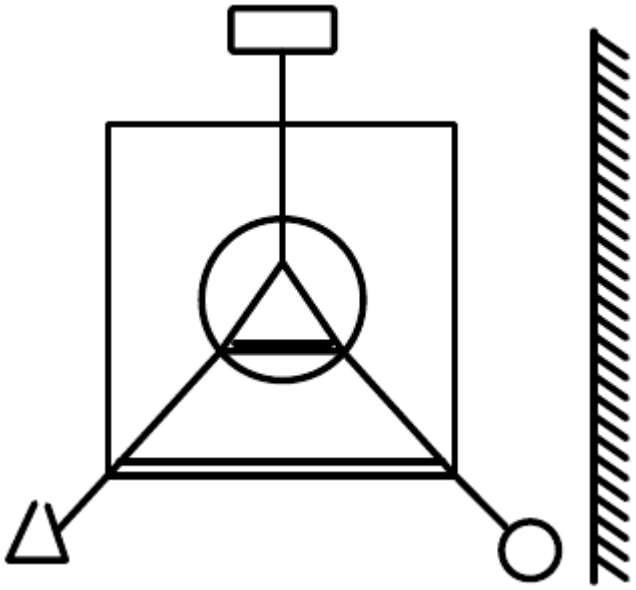
Q41. In a sale, the price of sarees was Rs. 700 each whereas the price of sandals was Rs. 500 each. A lady spent a total of Rs. 3,800 on both the items. Find the number of sarees she bought.

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

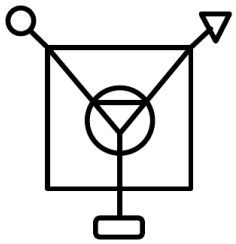
Q42. Four letter clusters have been given, out of which three are alike in some manner and one is different. Select the odd one

(a) MPL
(b) QTP
(c) DGC
(d) CGF

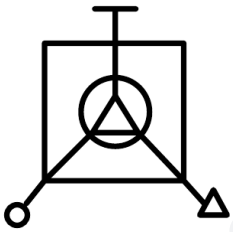
Q43. Select the correct mirror image of the given figure.



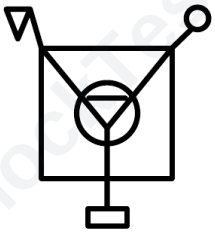
(a)



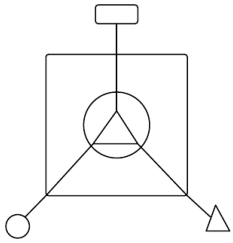
(b)



(c)

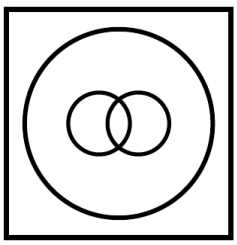


(d)

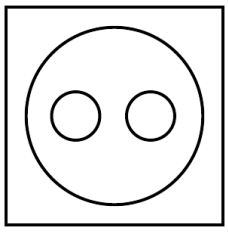


Q44. Select the Venn diagram that best represents the relationship between the following classes.
Sisters, Mothers, Men.

(a)

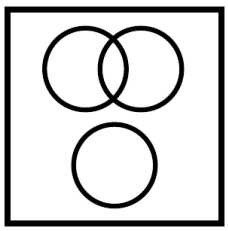


(b)

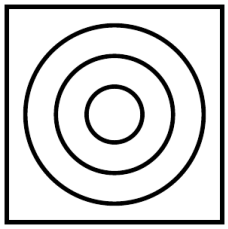


YourMockTest.com — Free Study Material

(c)



(d)



Q45. Select the number that can replace the question mark (?) in the following series.

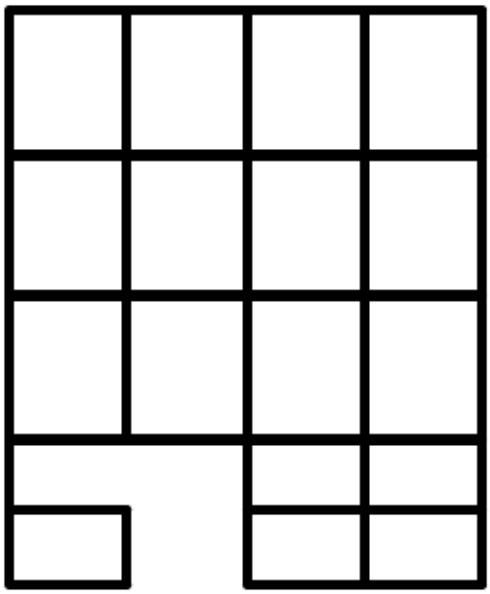
216, ?, 64, 27, 8

(a) 144
(b) 125
(c) 121
(d) 169

Q46. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Amplify
(b) Microscope
(c) Gun
(d) Axe

Q47. How many squares are there in the following figure?



(a) 28
(b) 27
(c) 26
(d) 25

YourMockTest.com — Free Study Material

Q48. Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Deci
2. Mili
3. Kilo
4. Hecto
5. Centi
6. Deca

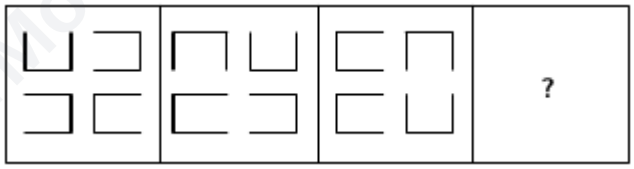
(a) 1, 2, 6, 5, 4, 3
(b) 4, 3, 5, 1, 2, 6
(c) 2, 5, 1, 6, 4, 3
(d) 2, 1, 5, 6, 4, 3

Q49. Select the word pair to which the two words are related in the same way as the words of the given word in the question are related.

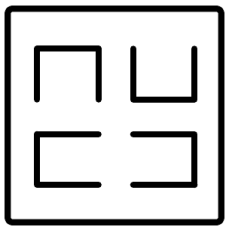
Paper : pulp

(a) Fan: Blade
(b) Pear: Fruit
(c) Road: Latex
(d) Sweater: Wool

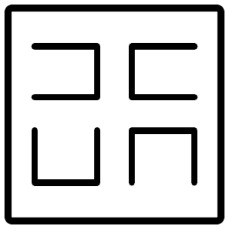
Q50. Select the figure that will come next in the following figure series.



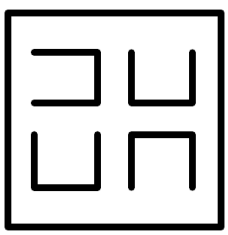
(a)



(b)

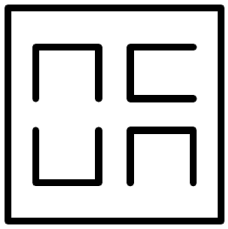


(c)



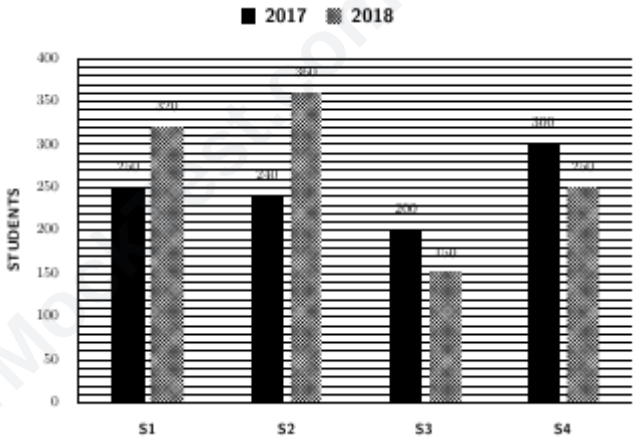
YourMockTest.com — Free Study Material

(d)



QUANTITATIVE APTITUDE

Q51. The given bar graph represents the number of students admitted in four schools (S1, S2, S3, S4) during two consecutive years 2017 and 2018.



The total number of students admitted in school S3 for both years is approximately what percent of total student admitted in school S2 for both years?

(a) 54.33%
(b) 58.33%
(c) 52.33%
(d) 48.33%

Q52. If sec θ and sin θ (0 < θ < 90) are the roots of the equation $\sqrt{6}\,x^2 - kx + \sqrt{6}=0$, then the value of k is:

(a) $2\sqrt{3}$
(b) $3\sqrt{2}$
(c) $\sqrt{3}$
(d) $3\sqrt{3}$

Q53. Six years ago, the average of the ages of Ravi, Mohan and Govind was 32 years. If Shyam joins them now, the average of the ages of all four of them is 36 years. The present age of Shyam is:

(a) 30 years
(b) 32 years
(c) 40 years
(d) 35 years

Q54. The value of 4 + [3{35 + (42 + 10 ÷ 2 × 3 - 40)} + 7] is :

(a) 167
(b) 163
(c) 157
(d) 185

Q55. The length and breadth of a cuboid are increased by 10% and 20%, respectively, and its height is decreased by 20%. The percentage increase in the volume of the cuboid is:

(a) 5 1/5 %
(b) 5 4/5 %
(c) 5 3/5 %
(d) 5 2/5 %

Q56. Find the values of x for the given equation $3x^2 + 5x – 2 = 0$

(a) –3 and –2
(b) 2 and –3
(c) 3 and - 1/2
(d) –2 and 1/3

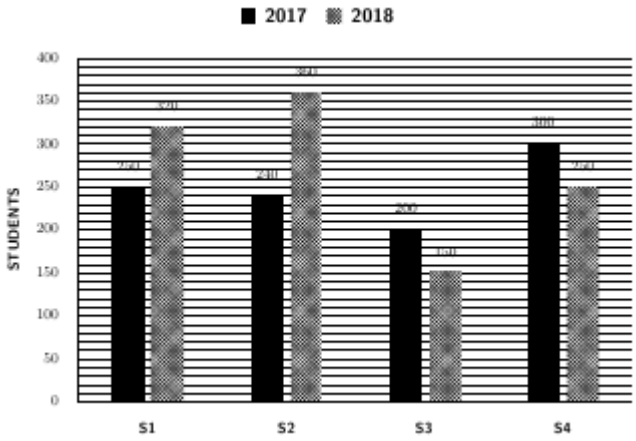
Q57. In an equilateral triangle, the value of each exterior angle is:

(a) 140°
(b) 130°
(c) 120°
(d) 100°

Q58. If x : y = 3 : 2 and x + y = 90. Then the value 7(x - y) : (x + y) is:

(a) 7 : 5
(b) 7 : 6
(c) 7 : 9
(d) 2 : 3

Q59. The given bar graph represents the number of students admitted in four schools (S1, S2, S3, S4) during two consecutive years 2017 and 2018.



What percentage is the average admission of schools S3 and S4 in 2018 of the average admission of schools S1 and S2 in 2017?

(a) 82.00%
(b) 81.00%
(c) 81.63%
(d) 82.63%

Q60. Two tangents AP and AQ are drawn to a circle with centre O from an external point A, where P and Q are points on the circle. If the angle PAQ = 70°, then the angle AOP is equal to:

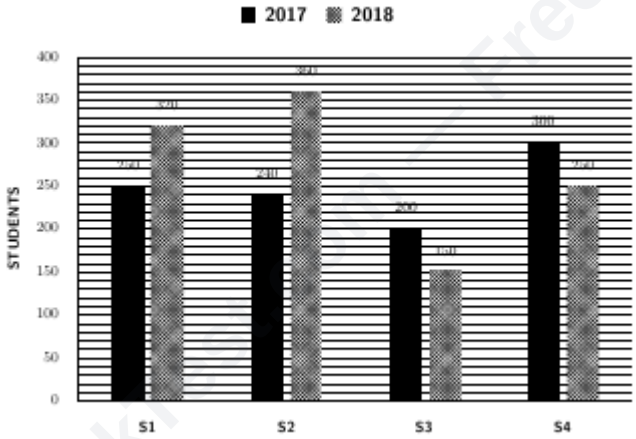
(a) 45°
(b) 50°
(c) 55°
(d) 60°

YourMockTest.com — Free Study Material

Q61. If the selling price of a book after 10% discount is Rs. 486, then the marked price of the book is:

(a) Rs. 600
(b) Rs. 560
(c) Rs. 540
(d) Rs. 580

Q62. The given bar graph represents the number of students admitted in four schools (S1, S2, S3, S4) during two consecutive years 2017 and 2018.



The ratio between total number of students admitted in the four schools in 2017 to the total number of students admitted in the four schools in 2018 is:

(a) 13 : 11
(b) 11 : 12
(c) 12 : 11
(d) 11 : 13

Q63. The cost price of 12 pens is equal to the selling price of 8 pens. The profit percentage is:

(a) 50%
(b) 55%
(c) 40%
(d) 45%

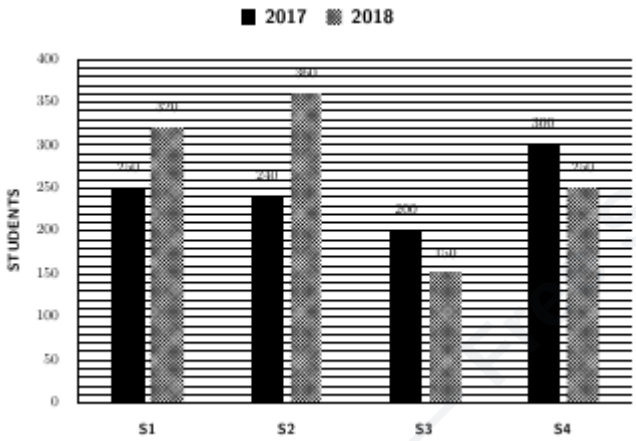
Q64. $(a + 2b)^2 - (a - 2b)^2$ is equal to:

(a) 6ab
(b) 10ab
(c) 8ab
(d) 4ab

Q65. If $2x^3 + ax^2 + bx - 2$ leaves the remainders 7 and 0 when divided by $(2x - 3)$ and $(x + 2)$, respectively, then the values of a and b are respectively.

(a) 3 ; -3
(b) -2 ; 2
(c) -3 ; 3
(d) 2 ; -2

Q66. The given bar graph represents the number of students admitted in four schools (S1, S2, S3, S4) during two consecutive years 2017 and 2018.



What is the average number of students admitted to all schools in 2018?

(a) 280
(b) 275
(c) 290
(d) 270

Q67. The compound interest on Rs. 4,000 at the rate of 5% p.a. is Rs. 630.50, then the time period is:

(a) 1 1/2 years
(b) 2 years
(c) 3 1/2 years
(d) 3 years

Q68. The areas of two similar triangles are 324 cm^2 and 225 cm^2. If the altitude of the smaller triangle is 10 cm, then the altitude of the bigger triangle in centimetres, is:

(a) 18
(b) 14
(c) 16
(d) 12

Q69. Tap A can fill a tank in 20 hours and tap B can fill the same tank in 30 hours. If both taps are opened together, then how much time will be taken to fill the tank?

(a) 10 hours
(b) 12 hours
(c) 24 hours
(d) 16 hours

Q70. A boat covered a distance of 15 km upstream in 5 hours and a distance of 42 km downstream in 6 hours. The speed of the stream in km/h is:

(a) 3
(b) 1.5
(c) 2
(d) 2.5

Q71. If $\cos x = 24/25$, $0 \le x \le 90°$, then the value of $\cot x + \operatorname{cosec} x$ is:

(a) 0
(b) 7/2
(c) 1
(d) 7

Q72. If tan x = 3/2, then the value of (3 sin x + 2 cos x)/(3 sin x - 2 cos x) is:

(a) 5
(b) 5/13
(c) 13/5
(d) 1/5

Q73. The radius of a circular cylinder is 5 cm and its height is 14 cm. Then the volume of cylinder in cm^3 is:
(Take π = 22/7)

(a) 1120
(b) 1254
(c) 1504
(d) 1100

Q74. Which are the two nearest numbers to 19,596, divisible by 9?

(a) 19,593 ; 19,602
(b) 19,564 ; 19620
(c) 19,509 ; 19,611
(d) 19,611 ; 19,575

Q75. Two tangents AP and AQ are drawn to a circle with centre O from an external point A, where P and Q are points on the circle. If AP = 12 cm and angle PAQ = 60°, then the length of chord PQ is:

(a) 12 cm
(b) 10 cm
(c) 16 cm
(d) 24 cm

GENERAL AWARENESS

Q76. 'Mohiniyattam', is a traditional dance which originated in the state of _____ in India.

(a) Assam
(b) West Bengal
(c) Kerala
(d) Andhra Pradesh

Q77. Which of the following best defines Net National Income ?

(a) GNP + Depreciation
(b) GNP – Depreciation
(c) GDP – Depreciation
(d) NDP – Depreciation

Q78. Which of the following Himalayan regions is known as 'Shivaliks' ?

(a) Lesser Himalayas
(b) Greater Himalayas
(c) Outer Himalayas
(d) Inner Himalayas

Q79. Which of the following Indian states does NOT share its boundaries with Nepal ?

(a) West Bengal
(b) Sikkim
(c) Uttarakhand
(d) Assam

YourMockTest.com — Free Study Material

Q80. Which of the following statements is NOT true about compounds ?

(a) The constituents can be separated only by chemical or electrochemical reactions.
(b) Compounds have a variable composition.
(c) The composition of each new substance is always fixed.
(d) Elements react to form new compounds.

Q81. Which of the following converts analogue information into digital form ?

(a) Optical Mark Reading
(b) Barcode reader
(c) Digitizer
(d) Gamepad

Q82. Who among the following can be removed by the process of impeachment ?

(a) The President of India
(b) The Governor of any state
(c) The Prime Minister of India
(d) The Chief Minister of any state

Q83. Which of the following blood groups is called the ‘Universal Receiver’?

(a) O+
(b) O–
(c) AB+
(d) A+

Q84. Which of the following nation's Prime Minister resigned from his post on 15 January 2020, along with his cabinet after its President called for Constitutional Reforms?

(a) China
(b) Russia
(c) Italy
(d) Sri Lanka

Q85. Ram Nath Kovind assumed office as the _____ President of India on 25th July 2017.

(a) 12^(th)
(b) 15^(th)
(c) 14^(th)
(d) 13^(th)

Q86. Who among the following was elected as the President of the Indian National Congress in the years 1938 and 1939?

(a) Annie Besant
(b) C Rajagopalachari
(c) Rajendra Prasad
(d) Subhash Chandra Bose

Q87. Who among the following is NOT an Indian weightlifter ?

(a) Karnam Malleswari
(b) Dipika Pallikal
(c) Mirabai Chanu
(d) Rakhi Haldar

Q88. Who among the following won the 'BBC Sports Personality of the Year 2019' award ?

(a) Wayne Rooney
(b) Ben Stokes
(c) Ken Williamson
(d) Kylian Mbappé Lottin

YourMockTest.com — Free Study Material

Q89. Which of the following is a lever that can be moved in several directions to control the movement of an image on a computer monitor or similar display screen ?

(a) Joystick
(b) Optical Mark Reader
(c) Visual Display Unit
(d) MIDI Devices

Q90. Which of the following is an economic system in which capital goods are owned by private individuals or businesses and the production of goods and services is based on supply and demand in the general market ?

(a) Mixed Economy
(b) Communist Economy
(c) Capitalistic Economy
(d) State Economy

Q91. Which of the following nations has the most powerful passport in the world as per 'Henley Passport Index 2020'?

(a) UK
(b) USA
(c) China
(d) Japan

Q92. Millions of years ago the Indian subcontinent was separated from the mainland by a large sea known as the:

(a) Tethys
(b) Typhon
(c) Prometheus
(d) Aegina

Q93. Who among the following won the '2019 Man Booker International Prize' for her book 'Celestial Bodies' ?

(a) Jokha Alharthi
(b) Arundhati Roy
(c) Anna Burns
(d) Salman Rushdie

Q94. As of January 2020, who among the following was the Chief Election Commissioner of India ?

(a) Sunil Arora
(b) Om Prakash Rawat
(c) HS Brahma
(d) VS Sampath

Q95. In which of the following years did Mahatma Gandhi launch the satyagraha to look into the problems of the farmers in the context of indigo planters of Champaran in Bihar.

(a) 1927
(b) 1922
(c) 1917
(d) 1914

Q96. The _____ layer is the upper limit of our atmosphere. It extends from the top of the thermosphere up to 10,000 km (6,200 miles).

(a) Ionosphere
(b) Mesosphere
(c) Troposphere
(d) Exosphere

YourMockTest.com — Free Study Material

Q97. Which of the following is NOT a good conductor of electricity?

(a) Graphite
(b) Copper
(c) Bromine
(d) Silver

Q98. Who among the following won the 'Man-of-the-Match' award in the series-deciding third ODI in the three-match ODI series played between India and Australia in January 2020 ?

(a) David Warner
(b) Steven Smith
(c) Rohit Sharma
(d) Virat Kohli

Q99. The patriotic song 'Sare Jahan Se Accha' was composed by:

(a) Allama Muhammad Iqbal
(b) Bismil Azimabadi
(c) Bankim Chandra Chatterjee
(d) Rabindranath Tagore

Q100. Which of the following teams won the 'FIH Series Finals Hockey Tournament' in June 2019 ?

(a) Germany
(b) Pakistan
(c) Spain
(d) India

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (a) did not have

The correct answer is "did not have".

Key Points

• In the given underlined segment, the use of the form of the verb 'had' is incorrect.

• The verb 'had' is the past form of 'have' and since 'did' is the past form of 'do', two past forms don't come together in a single sentence.

• When there is an auxiliary verb (here, did), the main verb (here, had) does not need to be marked for tense, because the tense is shown in the auxiliary.

• The verb that follows 'did' should be used in its base form.

• Therefore, the base form of the verb 'had' i.e. 'have' should be used here.

• Hence, the correct answer is option 1.

Correct Sentence: Gitanjali did not have school yesterday because it was a second Saturday.

Important Points

• However, in a sentence about the past without an auxiliary verb, the main verb does need to be in the past tense form.

Q2. Answer: (c) impoverished

The correct answer is "impoverished".

Key Points

• Given Idiom: Cash-strapped means extremely short of money.

• For example, C*ash-strapped consumers have gone deeper into debt.*

• From the given options, the third option is the most appropriate meaning of the given idiom.

• Hence, the correct answer is option 3.

Additional Information

• The word improving means giving moral or intellectual benefit.

• The word expensive means costing a lot of money.

• The word impoverished means (of a person or area) made poor.

• The word expanding means becoming or making larger or more extensive.

Q3. Answer: (c) “Call me when you reach there”, Bharati told Rakesh.

The correct answer is “Call me when you reach there”, Bharati told Rakesh.

Key Points

• The given sentence is an indirect speech.

• The basic rules for changing or converting indirect speech into direct speech:

• The commas and inverted commas are added.

• The third person 'he' will be changed into the second person 'you'.

• The past simple tense format 'Subject + V2 (reached) + Object' will be changed into the present simple tense format 'Subject + V1 (reach) + Object'.

• From the following rules, we get the correct sentence as- option 3*.*

Additional Information

• The following table will enable us to know how tense changes into Indirect speech:

Direct Speech	Indirect Speech
Present simple (Subject +V1st + Object)	Past simple (Subject +V2 + Object)
Present continuous (Subject +is/am/are+V1 +ing+ Object)	Past Continuous (Subject +was/were+V1 +ing+ Object)
Present perfect (Subject + has/have+V3+Object)	Past perfect (Subject+had+V3+Object)
Past simple (Subject+V2+Object)	Past perfect (Subject+had+V3+Object)
Past Continuous (Subject +was/were+V1 +ing+ Object)	Past perfect continuous (Subject +had been+V1 +ing+ Object)
Future simple (Subject+ will/shall+V1+object)	Present Conditional (Subject+ would+V1+object)
Future Continuous (Subject +will/shall+be+V1 +ing+ Object)	Conditional Continuous (Subject +would+be+V1 +ing+ Object)

Q4. Answer: (b) delegates

The correct answer is "delegates".

Key Points

• Let us explore the given options:

• 'Talents' means people possessing natural aptitude or skill.

• 'Delegates' means people sent or authorized to represent others, in particular an elected representative sent to a conference.

• 'Clever' means quick to understand, learn, and devise or apply ideas; intelligent.

• 'Intelligent' means having or showing intelligence, especially of a high level.

• Hence, the correct answer is option 2.

Complete Sentence: Around one hundred delegates across the world participated in the conference.

YourMockTest.com — Free Study Material

Q5. Answer: (a) It

The correct answer is "It".

Key Points

• Let us explore the given options:

• The pronoun 'it' is used to refer to a thing previously mentioned or easily identified.

• The pronoun 'that' is used to identify a specific person or thing observed or heard by the speaker.

• The pronoun 'they' is used to refer to two or more people or things previously mentioned or easily identified.

• The pronoun 'which' is used for asking for information specifying one or more people or things from a definite set.

• Hence, as per the context of the sentence, the correct answer is option 1.

Q6. Answer: (a) city

The correct answer is "city".

Key Points

• Let us explore the given options:

• 'City' is a large town.

• 'Tower' is a tall, narrow building, either freestanding or forming part of a building.

• 'Fort' is a fortified building or strategic position.

• 'Garden' is a piece of ground adjoining a house, in which grass, flowers, and shrubs may be grown.

• Hence, as per the context of the sentence, the correct answer is option 1.

Q7. Answer: (d) most

The correct answer is "most".

Key Points

• Let us explore the given options:

• 'Chief' means the most important.

• 'More' means a greater or additional amount of something.

• 'Main' means chief in size or importance.

• 'Most' means greatest in amount, quantity, or degree.

• Hence, as per the context of the sentence, the correct answer is option 4.

Q8. Answer: (d) after

The correct answer is "after".

Key Points

• Let us explore the given options:

• 'On' means in the possession of; being carried by.

• 'From' is used for indicating a source of knowledge or the basis for one's judgement.

• 'At' is used for expressing a particular state or condition.

• 'After' means in allusion to someone or something with the same or a related name.

• Hence, as per the context of the sentence, the correct answer is option 4.

Q9. Answer: (c) from

The correct answer is "from".

Key Points

• Let us explore the given options:

• 'Above' means at a higher level or layer than.

• 'To' is used for expressing location, typically in relation to a specified point of reference.

• 'From' is used for indicating the distance between a particular place and another place used as a point of reference.

• 'Away' means to or at a distance from a particular place, person, or thing.

• Hence, as per the context of the sentence, the correct answer is option 3.

Q10. Answer: (a) irresponsible

The correct answer is "irresponsible".

Key Points

YourMockTest.com — Free Study Material

• The word 'Responsible' means having an obligation to do something, or having control over or care for someone, as part of one's job or role.

• The antonyms of the word 'Responsible' are "irresponsible, nonaccountable, unaccountable".

• From the antonym of the given word, we can say that the word 'irresponsible' is opposite in meaning.

• The word 'irresponsible' means (of a person, attitude, or action) not showing a proper sense of responsibility.

Hence, the correct answer is option 1. Let's see the meaning of other given options-

WORDS	MEANING
disresponsible	non-existent word
irresponsible	Not responsible or accountable to any other person or thing; unaccountable
illresponsible	non-existent word

Additional Information

• The synonyms of the word 'Responsible' are "accountable, amenable, answerable, liable".

• Example of 'Responsible' in a sentence:

• I am responsible for your safety.

Q11. Answer: (c) not only killed innocent persons but also

The correct answer is "not only killed innocent persons but also".

Key Points

• In the given sentence, the use of the conjunction 'and' is incorrect.

• The conjunction 'and' is used to connect words of the same part of speech, clauses, or sentences, that are to be taken jointly.

• The conjunction 'but' is used to introduce a response expressing a feeling such as surprise or anger.

• The construction "not only...but (also)" is called correlative conjunction. It is used to present two related pieces of information.

• Both pieces of information are being presented as surprising or unexpected, with the second one being even more surprising than the first.

• Hence, the correct answer is option 3.

Correct Sentence: The firing of the missile not only killed innocent persons but also created a political furore.

Additional Information

• Correlative conjunctions are sort of like tag-team conjunctions. They come in pairs, and you have to use both of them in different places in a sentence to make them work. They get their name from the fact that they work together (co-) and relate one sentence element to another. Correlative conjunctions include pairs such as "both/and", "either/or", "neither/nor", "not/but" and "not only/but also".

Q12. Answer: (d) Messy

The correct answer is "Messy".

Key Points

• The word 'Neat' means being clean and in good order.

• The antonyms of the word 'Neat' are "messy, untidy, disordered".

• From the antonym of the given word, we can say that the word 'Messy' is opposite in meaning.

• The word 'Messy' means lacking in order, neatness, and often cleanliness.

Hence, the correct answer is option 4. Let's see the meaning of other given options-

WORDS	MEANING
Clear	free of any obstructions or unwanted objects
Strong	able to withstand force, pressure, or wear
Sharp	producing a sudden, piercing physical sensation or effect

Additional Information

• The synonyms of the word 'Neat' are "tidy, organized, systematic".

• Example of 'Neat' in a sentence:

• The crowd mostly adult in neat casual dress.

YourMockTest.com — Free Study Material

Q13. Answer: (d) Jaw

The correct answer is "Jaw".

Key Points

• The word 'Mandible' means a lower jaw consisting of a single bone or of completely fused bones.

• From the meaning of the given word, we can say that the word 'Jaw' is the same in meaning.

• The word 'Jaw' means the parts constituting the walls of the mouth and serving to open and close it.

Hence, the correct answer is option 4. Let's see the meaning of other given options-

WORDS	MEANING
Glory	magnificence or great beauty
Praise	express warm approval or admiration
Human	a human being

Additional Information

• Example of 'Mandible' in a sentence:

• I have to study the rotation and translation movements of the mandible at maximum mouth opening in normal, healthy individuals.

Q14. Answer: (a) in every my cupboard

The correct answer is "in every my cupboard".

Key Points

• In the given sentence, the singular noun 'cupboard' is incorrect and thus the use of the determiner 'every' is also incorrect.

• The determiner 'every' refers to multiple numbers of people or items, but it considers these people or items as part of a similar collective group.

• 'Every' can only be followed by a plural noun when there is a number before that noun.

• 'Each' refers to a plural number of people or items, but it considers each person or item as an individual or dissimilar unit, it does not consider the group collectively.

• 'Each' can be followed by a determiner (my, his, the, etc.) and a plural noun.

• The format is Each of + determiner (here, my) + plural noun (here, cupboards).

• Hence, the correct answer is option 1.

Correct Sentence: Yesterday I searched in each of my cupboards for the shirt I couldn't find.

Q15. Answer: (c) Despite of her tiredness

The correct answer is "Despite of her tiredness".

Key Points

• In the given sentence, the use of the preposition 'of' is incorrect or superfluous.

• The phrase "despite of" is incorrect, and sounds distinctly non-native.

• We can confuse it with "in spite of" which basically has the same meaning as 'despite'.

• We should use only 'despite' instead of "despite of".

• The word 'despite' is a preposition which takes a noun as its object, and doesn't require the preposition 'of'.

• Hence, the correct answer is option 3.

Correct Sentence: Despite her tiredness, Meera went into the kitchen to make some dinner for the children.

Additional Information

• The word 'despite' means without being affected by; in spite of.

Q16. Answer: (d) resilient

The correct answer is "Resilient".

Key Points

• Let us explore the given options:

• 'Repentant' means expressing or feeling sincere regret and remorse; remorseful.

• 'Redundant' means not or no longer needed or useful; superfluous.

• 'Repugnant' means extremely distasteful; unacceptable.

• 'Resilient' means able to withstand or recover quickly from difficult conditions.

YourMockTest.com — Free Study Material

• Hence, the correct answer is option 4.

Complete Sentence: According to experts, some sectors remain resilient during these difficult times, including banking and financial services, FMCG, food, and technology.

Q17. Answer: (d) Scapegoat

The correct answer is "Scapegoat".

Key Points

• Let us explore the given options:

• 'Opponent' is someone who competes with or opposes another in a contest, game, or argument.

• 'Enemy' is a person who is actively opposed or hostile to someone or something.

• 'Competitor' is a person who takes part in a sporting contest.

• 'Scapegoat' means a person who is blamed for the wrongdoings, mistakes, or faults of others.

• Hence, the correct answer is option 4.

Q18. Answer: (d) Regain composure

The correct answer is "Regain composure".

Key Points

• Given Idiom: Pull yourself together means to maintain your composure.

• For example, The match is going to get away from me if you don't pull yourself together.

• From the given options, the fourth option is the most appropriate meaning of the given idiom.

• Hence, the correct answer is option 4.

Mistake Points

• We may think from the phrase "pull yourself together" that it is all about to move together in a specified direction with effort, but the correct answer is option 4. So be careful while dealing with such questions.

Additional Information

• The idiom/phrase originates from: The origin of the idiom "pull yourself together" isn't known for certain. What is known is that its meaning is closely related to that of another popular idiom, 'mind over matter.' 'Mind over matter' is a very old idiom – it was used in 70 BCE by the poet Virgil, in his poem The Aeneid.

Q19. Answer: (c) BDCA

The correct answer is "BDCA".

Key Points

• The sentence 'B' is independent of any other sentences as it is giving general information about "a grey hare". Hence, 'B' is the first part.

• The pronoun "he" in the sentence 'D' refers back to the 'grey hare' mentioned in the sentence 'B'. Hence, 'D' follows 'B'.

• The adverb "then" which means after that mentioned in the sentence 'C' is linked with the sentence 'D'. Hence, 'C' follows 'D'.

• The sentence 'A' is the concluding sentence. Hence, the sentence 'A' is the last sentence.

After rearranging the sentences: A grey hare lived in the woods near a village. During the winter, when night came, he would prick up one ear and listen. Then he would prick up the other, jerk his whiskers, snuff, and sit up on his hind legs. Then he would give one leap, two leaps, through the snow, and sit up again on his hind legs and look all around.

Important Points

• Important Rules to Solve the Para Jumbles:

• Read the sentences attentively and try to comprehend the idea or theme of the sentence and eliminate the irrelevant options.

• Try to identify the opening (independent sentence) and closing sentences (concluding sentence).

• Try to identify the mandatory pairs. Two sentences can be connected through various connectors and other determinants.

Q20. Answer: (d) Tumulttous

The correct answer is "Tumulttous".

Key Points

• Let us explore the options:

• 'Pharmaceutical' means relating to medicinal drugs, or their preparation, use, or sale.

• 'Belligerent' means hostile and aggressive.

• 'Trousseau' means the clothes, linen, and other belongings collected by a bride for her marriage.

• 'Tumulttous': There is no such word in English or we can say that there is some spelling mistake in this word, correct spelling is 'Tumultuous'

• Hence, the correct answer is option 4.

Additional Information

• If we replace the letter 't' between 't' and 'o' with 'u' in the given word, it will become a meaningful word 'Tumultuous' which means making an uproar or loud, confused noise.

Q21. Answer: (a) Witness

The correct answer is "Witness".

Key Points

• Let us explore the given options:

• 'Witness' is correctly spelt and it means evidence; proof.

• 'Wisdum' is wrongly spelt as the letter 'u' should be replaced by 'o'.

• 'Welth' is wrongly spelt as the letter 'a' should come between 'e' and 'l'.

• 'Wimper' is wrongly spelt as the letter 'h' should come between 'W' and 'i'.

• Hence, the correct answer is option 1.

Additional Information

• The correct spelling is "Wisdom." It denotes the quality of having experience, knowledge, and making good judgements; insight.

• The correct spelling is "Wealth". This word signifies an abundance of valuable possessions or money.

• The correct spelling is "Whimper". It represents a low, weak sound expressing pain or fear.

Q22. Answer: (b) The results of her experiment were shared with her colleagues by Sujata.

The correct answer is "The results of her experiment were shared with her colleagues by Sujata".

Key Points

• In Active Voice, a sentence emphasizes the subject, performing an action.

• In Passive Voice, a sentence emphasizes the action or the object of the sentence.

• The given sentence is in the active voice and 'Sujata' is the subject and 'the results' is the object.

• When we convert this sentence into passive voice, the subject 'Sujata' of the active voice becomes the object, the object 'the results' becomes the subject.

• The passive format "were + V3" should be used.

• This is the active and passive voice rule for the past simple tense.

• Hence, the correct answer is option 2.

Additional Information

• Verbs of passive format have a different set of tenses (*V3 - Past participle or Third form of the Verb) as given below in the table:

TENSE	ACTIVE	PASSIVE	PASSIVE CONVERSION
Present Simple	He plays football	am/is/are + V3	Football is played by him
Present Continuous	He is playing football	am/is/are + being +V3	Football is being played by him
Present Perfect	He has played football	Has/have + been+ V3	Football has been played by him
Present Perfect Continuous	He has been playing football	Not used and unusual.	Not used and unusual
Past Simple	He played football	Was/were + V3	Football was played by him
Past Continuous	He was playing football	Was/were + being + V3	Football was being played by him
Past Perfect	He had played football	Had + been + V3	Football had been played by him
Past Perfect Continuous	He had been playing football	Not used and unusual	Not used and unusual
Future Simple	He will play football	Will + be + V3	Football will be played by him
Future Continuous	He will be playing football	Not used and unusual	Not used and unusual
Future Perfect	He will have played football	Will have been + V3	Football will have been played by him

Future Perfect Continuous	He will have been playing football	Not used and unusual	Not used and unusual

Q23. Answer: (d) Halo

The correct answer is "Halo".

Key Points

• The word 'Aura' means a special quality or impression associated with something.

• The synonyms of the word 'Aura' are "halo, karma, vibration".

• From the synonym of the given word, we can say that the word 'Halo' is the same in meaning.

• The word 'Halo' means a special quality or impression associated with something.

Hence, the correct answer is option 4. Let's see the meaning of other given options-

WORDS	MEANING
Noise	a sound, especially one that is loud or unpleasant or that causes disturbance
Shriek	utter a high-pitched piercing sound or words
Colour	vivid appearance resulting from the juxtaposition of many bright things

Additional Information

• The antonyms of the word 'Aura' are "nothingness, void, emptiness".

• Example of 'Aura' in a sentence:

• They described his aura as absolutely overwhelming.

Q24. Answer: (b) BCAD

The correct answer is "BCAD".

Key Points

• The sentence 'B' is independent of any other sentences as it is giving general information about the "Municipal Corporation". Hence, 'B' is the first part.

• The noun "producers" in the sentence 'C' refers back to the 'producers' mentioned in the sentence 'B'. Hence, 'C' follows 'B'.

• The noun "manufacturers" mentioned in the sentence 'A' refers back to the phrase "persons engaged in the manufacture" in the sentence 'C'. Hence, 'A' follows 'C'.

• The sentence 'D' is the concluding sentence. Hence, the sentence 'D' is the last sentence.

After rearranging the sentences: The Municipal Corporation has introduced the extended producer's responsibility (EPR) for producers and generators of plastic waste. The producers are persons engaged in the manufacture, or import of carrying bags, multilayered packaging and sheets, and persons using them. According to the EPR, the corporation expects such manufacturers to develop a collect back system for plastic waste. They must formulate a plan to collect re-usable waste generated from their products within a prescribed timeframe.

Important Points

• Important Rules to Solve the Para Jumbles:

• Read the sentences attentively and try to comprehend the idea or theme of the sentence and eliminate the irrelevant options.

• Try to identify the opening (independent sentence) and closing sentences (concluding sentence).

• Try to identify the mandatory pairs. Two sentences can be connected through various connectors and other determinants.

Q25. Answer: (d) Abdication

The correct answer is "Abdication".

Key Points

• Let us explore the given options:

• Abandonment means the action or fact of abandoning or being abandoned.

• Renunciation means the formal rejection of something, typically a belief, claim, or course of action.

• Resignation means an act of resigning from a job or office.

• Abdication means an act of abdicating or renouncing the throne.

• Hence, the correct answer is option 4.

YourMockTest.com — Free Study Material

Q26. Answer: (b) 16 - 30

The logic is :

1. 32 - 45 → Difference is 45 - 32 = 13

2. 16 - 30 → Difference is 30 - 16 = 14

3. 13 - 16 → Difference is 16 - 13 = 3

4. 12 - 15 → Difference is 15 - 12 = 3

The difference between all numbers except 'option 2' is prime numbers or odd numbers while the difference between 30 and 16 is a composite or even number.

Hence, '16 - 30' is the correct answer.

Q27. Answer: (a) QDWBU

The logic is :

Similarly,

Hence, 'QDWBU' is the correct answer.

Q28. Answer: (b) 53 : 489

The logic is :

44 : 408 = (44 × 9) + 12 = 396 + 12 = 408

Similarly,

53 : 489 = (53 × 9) + 12 = 477 + 12 = 489

Hence, '53 : 489' is the correct answer.

Q29. Answer: (c) College : University

The logic is :

Temple : Church → Temple and church is a place of worship.

Similarly,

College : University → College and the university is an educational institution.

Hence, 'College : University' is the correct answer.

Q30. Answer: (d) 4

The logic is :

$6 + 4 = 10 \rightarrow 10^2 = 100$

$7 + 5 = 12 \rightarrow 12^2 = 144$

Similarly,

$9 + 4 = 13 \rightarrow 13^2 = 169$

Hence, '4' is the correct answer.

Q31. Answer: (c) Paternal grandfather

Symbol representation :

The family tree diagram is shown below -

Hence, 'Paternal grandfather' is the correct answer.

Q32. Answer: (d) ERCQ

The logic is :

Similarly,

Hence, 'ERCQ' is the correct answer.

Q33. Answer: (b) 4

The logic is :

Sign	•	•	×	÷
Denoted By	÷	•	•	×

Given expression - [{(12 × 8) - (2 ÷ 3)} + (3 - 2)] ÷ 2

After interchanging the signs -

= [{(12 - 8) + (2 × 3)} ÷ (3 + 2)] × 2

YourMockTest.com — Free Study Material

= [{(4) + (6)} ÷ (5)] × 2
= [{10} ÷ (5)] × 2
= [2] × 2
= 4
Hence, '4' is the correct answer.

Q34. Answer: (a) [figure]

When the folded paper is opened, the cuts will appear as follow -
Hence, 'option 1' is the correct answer.
Option 1 and Option 3 may look similar but they are different.
Observe the vertex of the triangle then we can see the difference.

Q35. Answer: (d) [figure]

The given figure is embedded in the answer figure shown below -
Hence, 'option 4' is the correct answer.

Q36. Answer: (a) 32

The logic is :

Sign	•	×	÷	•
Denoted By	÷	•	•	×

Given expression - 18 + 3 - 5 × 6 ÷ 4
After interchanging the sign -
= 18 ÷ 3 × 5 + 6 - 4
= 6 × 5 + 6 - 4
= 30 + 6 - 4
= 36 - 4
= 32
Hence, '32' is the correct answer.

Q37. Answer: (d) Only conclusion I follows.

The best possible Venn diagram for the above statements -
1. Banana is not a jam → True(All banana comes under the butter and no butter is jam therefore, no banana is jam is true)
2.Banana may or may not be a jam → False(It is definitely false from the Venn diagram)
Hence, "Only conclusion I follows" is the correct answer.

Q38. Answer: (b) iiikmkkim

The logic is :

1)	**i**	**k**	**i**	**k**	**m**	**m**	**k**	**i**	**i**	**k**	**i**	**i**	**m**	**m**	**i**	**k**	**i**	**m**	**i**	**m**	**k**	**m**	**k**	**k**
2)	i	k	i	i	m	m	k	k	i	k	i	i	m	m	k	k	i	k	i	i	m	m	k	k
3)	k	k	i	i	m	m	k	k	i	k	i	i	m	m	k	k	i	k	i	i	k	m	k	k
4)	m	k	i	i	m	m	k	k	i	k	i	i	m	m	k	k	i	i	i	i	m	m	k	k

The pattern follows in option number 2 is - ikiimmkk/ikiimmkk/ikiimmkk
Hence, 'option 2' is the correct answer.

Q39. Answer: (c) 37

Here the logic is :
Addition of place value of all letters + 5
O = 15 + 5 = 20
LIT = 12 + 9 + 20 = 41 + 5 = 46
Similarly,
PIG = 16 + 9 + 7 = 32 + 5 = 37

YourMockTest.com — Free Study Material

Hence, '37' is the correct answer.

Q40. Answer: (d) 3

Given data :

1) In a dice 1, 2, 3, and 4 dots are on the adjacent faces, in clockwise order (1 → 2 → 3 → 4)

2) 5 and 6 dots at the top and bottom respectively.

The pair of opposite faces from the given data is -

1. 1 <=> 3 dots are opposite to each other.

2. 2 <=> 4 dots are opposite to each other.

3. 5 <=> 6 dots are opposite to each other.

When 1 dot is at the top, then 3 dots will be at the bottom of the dice.

Hence, '3' is the correct answer.

Q41. Answer: (c) 4

Given

Price of saree = Rs. 700

Price of sandal = Rs. 500

Calculation

Such questions can be solved by using options easily

Option1:

Price of 1 saree = 700

Remaining amount = 3800 - 700 = 3100

As, 3100 is not divisible by 500, hence this condition is not possible.

Option2:

Price of 3 sarees = 3 × 700 = 2100

Remaining amount = 3800 - 2100 = 1700

As, 1700 is not divisible by 500, hence this condition is not possible.

Option3:

Price of 4 sarees = 4 × 700 = 2800

Remaining amount = 3800 - 2800 = 1000

As 1000 is divisible by 500, hence this condition is possible.

Hence, the correct option is 3.

Q42. Answer: (d) CGF

The logic is :

Hence, 'CGF' is the correct answer.

Q43. Answer: (d) [figure]

The mirror image of the given figure is shown below -

Hence, 'option 4' is the correct answer.

Q44. Answer: (c) [figure]

The Venn diagram that best represents the relationship between Sisters, Mothers, Men is shown below -

From the above Venn diagram, it is clear that some mothers can be a sister or some sisters can be a mother but, no men can be a mother or sister.

Hence, 'option 3' is the correct answer.

Q45. Answer: (b) 125

The logic is :

Hence, '125' is the correct answer.

Q46. Answer: (a) Amplify

The logic is :

1) Amplify → Amplify meaning is to increase the strength of a sound, using electrical equipment or to add details to something in order to explain it more fully.

YourMockTest.com — Free Study Material

2) Microscope → A microscope is an instrument that can be used to observe small objects, even cells.

3) Gun → A gun is a ranged weapon.

4) Axe → An axe is an ancient tool. It is used to shape, split and cut wood.

All options except 'option 1' are tools or instruments.

Hence, 'Amplify' is the correct answer.

Q47. Answer: (b) 27

The total numbers of squares is shown in below figure -

Hence, '27' is the correct answer.

Q48. Answer: (c) 2, 5, 1, 6, 4, 3

The correct logical order of the given words is shown below -

2)	**Mili**
5)	Centi
1)	Deci
6)	Deca
4)	Hecto
3)	Kilo

The above words are arranged in their lower value to a higher value in the table.

Hence, '2, 5, 1, 6, 4, 3' is the correct order.

Q49. Answer: (d) Sweater: Wool

The logic is :

Paper : pulp → Paper has been made from the pulp of a wide variety of materials such as (wood, cotton, wheat straw, sugar cane waste, flax, bamboo and hemp)

Similarly,

Sweater: Wool → Sweater is made from wool.

Hence, 'Sweater: Wool' is the correct answer.

Q50. Answer: (b) [figure]

The figure comes next in the following series is shown below -

Alternate logic:

The shapes in each figure are shifted to their next place in a clockwise manner.

Hence, 'option 2' is the correct answer.

Q51. Answer: (b) 58.33%

Given:

Number of students admitted in school S3 for both years are = 200 and 150

Number of students admitted in school S2 for both years are = 240 and 360

Formula:

x as a percentage of y = (x/y) × 100

Calculation:

Total number of students admitted in school S3 for both years are = 200 + 150 = 350

Total number of students admitted in school S2 for both years are = 240 + 360 = 600

Therefore Required percentage = (350/600) × 100 = 58.33%

Q52. Answer: (d) 3√3

Given:

sec θ and sin θ are two roots of $\sqrt{6}x^2 - kx + \sqrt{6} = 0$.

Formula:

If α and β are two roots of $ax^2 + bx^2 + c = 0.=$, then

$\alpha + \beta = -b/a$

YourMockTest.com — Free Study Material

αβ = c/a
sin A/cos A = tan A
sec A = 1/cos A
sin 45 = 1/√2
sec 45 = √2
Calculation:
According to the question
sec θ + sin θ = k/√6 ----(1)
sec θ sin θ = √6/√6
=> (1/cos θ) × sin θ = 1
=> tan θ = 1
=> tan θ = tan 45
=> θ = 45
From equation (1)
sec 45 + sin 45 = k/√6
=> √2 + 1/√2 = k/√6
=> (2 + 1)/√2 = k/√6
=> 3/√2 = k/√6
=> k = 3√6/√2
Therefore k = 3√3

Q53. Answer: (a) 30 years

Given:
Six years ago, the average of the ages of Ravi, Mohan and Govind = 32 years
If Shyam joins them now, the average of the ages of all four of them = 36 years
Formula:
Average = Sum of all observations/Total number of all observations
Calculation:
Six years ago, the sum of the ages of Rav, Mohan and Govind = 32 × 3 = 96 years
Present sum of the ages of Ravi, Mohan and Govind = 96 + 18 = 114 years
Sum of ages of Shyam, Ravi, Mohan and Govind = 36 × 4 = 144 years
Therefore Present age of Shyam = 144 - 114 = 30 years

Q54. Answer: (a) 167

Given:
4 + [3 {35 + (42 + 10 ÷ 2 × 3 - 40)} + 7]
Formula:
Calculation:
4 + [3 {35 + (42 + 10 ÷ 2 × 3 - 40)} + 7]
=> 4 + [3 {35 + (42 + 5 × 3 - 40)} + 7]
=> 4 + [3 {35 + (42 + 15 - 40)} + 7]
=> 4 + [3 {35 + 17} + 7]
=> 4 + [3 × 52 + 7]
=> 4 + [156 + 7]
=> 4 + 163
=> 167
Therefore The correct answer is 167

Q55. Answer: (c) 5 3/5 %

Given:
The length of a cuboid is increased = 10%
The breadth of a cuboid is increased = 20%
The height of a cuboid decreased = 20%

YourMockTest.com — Free Study Material

Formula:
Volume of cuboid = lbh
Calculation:
Let the length, breadth and height of cuboid be 10 unit
Volume of cuboid = 10 × 10 × 10 = 1000
New length of cuboid = 10 × (110/100) = 11
New breadth of cuboid = 10 × (120/100) = 12
New height of cuboid = 10 × (80/100) = 8
Volume of cuboid = 11 × 12 × 8 = 1056
Volume increase = 1056 - 1000 = 56
Therefore Volume increased by (in %) = (56/1000) × 100 = 28/5 = 5 3/5 %

Q56. Answer: (d) –2 and 1/3

Given:
The given equation is 3x2 + 5x – 2 = 0
Calculation:
3x2 + 5x – 2 = 0
=> 3x2 + 6x – x – 2 = 0
=> 3x (x + 2) – 1 (x + 2) = 0
=> (3x – 1) (x + 2) = 0
Taking,
3x – 1 = 0
=> 3x = 1
=> x = 1/3
Taking,
(x + 2) = 0
Therefore x is –2

Q57. Answer: (c) 120°

Formula:
Each angle of equilateral triangle is 60°.
Exterior angle of a triangle is equal to the sum of the interior opposite angles.
Calculation:
Let ABC is equilateral triangle.
angle A = angle B = angle C = 60°.
According the theorem
Therefore The value of each exterior angle = 60° + 60° = 120°.

Q58. Answer: (a) 7 : 5

Given:
x : y = 3 : 2
x + y = 90
Formula:
If N is divided into a : b, then
First part = N × a/(a + b)
Second part = N × b/(a + b)
Calculation:
x : y = 3a : 2a
According to the question
3a + 2a = 90
=> 5a = 90
=> a = 90/5
=> a = 18

x = 3 × 18 = 54

y = 2 × 18 = 36

Now,

7(x - y) : (x + y)

=> 7 (54 - 36) : (54 + 36)

=> 7 × 18 : 90

=> 7 : 5

Q59. Answer: (c) 81.63%

Given:

Number of students admitted in school S3 in 2018 = 150

Number of students admitted in school S4 in 2018 = 250

Number of students admitted in school S1 in 2017 = 250

Number of students admitted in school S2 in 2017 = 240

Formula:

x as a percentage of y = (x/y) × 100

Calculation:

Average admission in school S3 and S4 in 2018 = (150 + 250)/2 = 400/2 = 200

Average admission in school S1 and S2 in 2017 = (250 + 240)/2 = 490/2 = 245

Therefore Required percentage = (200/245) × 100 = 81.63%

Q60. Answer: (c) 55°

Given:

angle PAQ = 70°

Concept:

The radius from the center of the circle to the point of tangency is perpendicular to the tangent line.

Calculation:

angle PAQ + angle POQ + angle OPA + angle OQA = 360°

=> 70° + angle POQ + 90° + 90° = 360°

=> angle POQ = 360° - 70° - 90° - 90°

=> angle POQ = 110°

=> angle AOP = angle AOQ = angle POQ/2

=> angle AOP = 110°/2

=> angle AOP = 55°

Therefore The value of angle AOP is 55°.

Q61. Answer: (c) Rs. 540

Given:

SP of a book after 10% discount = Rs. 486

Formula:

SP = MP × [(100 - Discount%)/100[]

Calculation:

MP of the book = 486 × (100/90)

Therefore MP of the book = Rs. 540.

Q62. Answer: (b) 11 : 12

Given:

Total number of students admitted in the four schools in 2017 = 250 + 240 + 200 + 300 = 990

Total number of students admitted in the four schools in 2018 = 320 + 360 + 150 + 250 = 1080

Calculation:

Therefore The ratio between total number of students admitted in the four schools in 2017 to the total number of students admitted in the four schools in 2018 = 990 : 1080 = 11 : 12

YourMockTest.com — Free Study Material

Q63. Answer: (a) 50%

Given:

CP of 12 pens is equal to the SP of 8 pens.

Formula:

Profit % = (Profit/CP) × 100

Calculation:

According to the question

12 CP = 8 SP

=> CP : SP = 8 : 12

=> CP : SP = 2 : 3

Let CP = Rs. 2 and SP = 3

Profit = 3 - 2 = 1

Profit = (1/2) × 100

Therefore Profit % is 50%

Shortcut Trick

Concept used:

If cost article > selling article, then there is profit,

So, profit % = (cost article - selling article)/(selling article) × 100

Calculation:

=> Profit = (12 - 8)/8 × 100

=> Profit = 50%

Q64. Answer: (c) 8ab

Given:

(a + 2b)2 - (a - 2b)2

Formula:

(x + y)2 = x2 + y2 + 2xy

$(x - y)^2 = x^2 + y^2 - 2xy$

Calculation:

(a + 2b)2 - (a - 2b)2

=> $a^2 + 4b^2 + 4ab - (a2 + 4b2 - 4ab)$

=> a2 + 4b2 + 4ab - a2 - 4b2 + 4ab

=> 8ab

Q65. Answer: (a) 3 ; -3

Given:

If 2x3 + ax2 + bx - 2 leaves the remainders 7 and 0 when divided by (2x - 3) and (x + 2), respectively.

Calculation:

If 2x3 + ax2 + bx - 2 is divided by (2x - 3), remainder = 7

2x - 3 = 0

2x = 3

x = 3/2

Put x = 3/2 in 2x3 + ax2 + bx - 2 = 7

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

=> 2 × (27/8) + a × (9/4) + 3b/2 = 7 + 2

=> 27/4 + 9a/4 + 3b/2 = 9

=> 9a/4 + 3b/2 = 9 - (27/4)

=> 9a/4 + 3b/2 = (36 - 27)/4

=> (9a + 6b)/4 = 9/4

=> 9a + 6b = 9 ----(1)

Similarly,

If 2x3 + ax2 + bx - 2 is divided by (x + 2), remainder = 0

YourMockTest.com — Free Study Material

x + 2 = 0
x = -2
Put x = -2 in 2x3 + ax2 + bx - 2 = 0
=> 2 × (-2)3 + a × (-2)2 + b × (-2) - 2 = 0
=> 2 × (-8) + a × (4) - 2b - 2 = 0
=> -16 + 4a - 2b - 2 = 0
=>4a - 2b = 18 ----(2)
Multiply by 3 in equation (2)
=> 12a - 6b = 54 ----(3)
Add equation (1) and equation (3)
=> 21a = 63
=> a = 63/21
Therefore a = 3
Put a = 3 in equation (2)
=> 4 × 3 - 2b = 18
=> 12 - 2b = 18
=> 2b = 12 - 18
=> 2b = -6
Therefore b = -3

Q66. Answer: (d) 270

Given:
Total number of students admitted in all four schools in 2018 = 320 + 360 + 150 + 250 = 1080
Formula:
Average = Sum of all observations/Total number of all observations
Given:
Therefore Average number of students admitted to all schools in 2018 = 1080/4 = 270

Q67. Answer: (d) 3 years

Given:
P = Rs. 4,000
Rate = 5%
CI = Rs. 630.50
Formula:
CI = P [(1 + r/100)^t - 1]
Calculation:
630.50 = 4,000 [(1 + 5/100)^t - 1]
=> [(1 + 5/100)t - 1] = [630.50/4000]
=> (21/20)^t = [630.50/4000 + 1]
=> (21/20)^t = (4630.50/4000)
=> (21/20)^t = 9261/8000
=> (21/20)^t = $(21/20)^3$
Compare on power
=> t = 3
Therefore The time period is 3 years.

Q68. Answer: (d) 12

Given:
Areas of two similar triangles are 324 cm^2 and 225 cm^2.
If the altitude of the smaller triangle = 10 cm.
Given:
If ΔABC ~ ΔPQR, then
Area of ΔABC/Area of ΔPQR = $(AB/PQ)^2 = (BC/QR)^2 = (AC/PR)^2$

YourMockTest.com — Free Study Material

Calculation:
Let altitude of bigger triangle is x cm, then
$(x/10)^2 = (324/225)$
$\Rightarrow x/10 = \sqrt{324/225}$
$\Rightarrow x/10 = 18/15$
$\Rightarrow x = (18/15) \times 10$
$\Rightarrow x = 12$
Therefore Altitude of bigger triangle is 12 cm.

Q69. Answer: (b) 12 hours

Given:
Tap A can fill a tank in = 20 hrs
Tap B can fill the same tank = 30 hrs
Calculation:
Total work = Efficiency × Time
Calculation:
Total work = 60 unit
Efficiency of A = 3 unit/hrs
Efficiency of B = 2 unit/hrs
Total efficiency of A and B = 2 + 3 = 5 unit/hrs
Therefore Time taken by A and B to fill the tank = 60/5 = 12 hrs

Q70. Answer: (c) 2

Given:
A boat covered 15 km upstream distance in = 5 hrs
A boat covered 42 km downstream distance in = 6 hrs.
Formula:
Speed = distance/time
If speed of boat and stream be x and y km/hr respectively, then
Upstream speed = (x – y) km/hr
Downstream speed = (x + y) km/hr
Calculation:
Let speed of boat and stream be x and y km/hr respectively, then
Upstream speed = (x – y) km/hr
Downstream speed = (x + y) km/hr
According to the question
$(x + y) = 42/6$
$\Rightarrow (x + y) = 7$ ----(1)
$(x - y) = 15/5$
$\Rightarrow (x - y) = 3$ ----(2)
Add equation (1) and equation (2)
$\Rightarrow 2x = 10$
$\Rightarrow x = 5$
From equation (1)
$5 + y = 7$
$\Rightarrow y = 7 - 5$
$\Rightarrow y = 2$
Therefore Speed of stream is 2 km/hr.
Alternate Method
Concept used:If the upstream speed is U and the downstream speed is D,
Then, the speed of stream = (D - U)/2
And, the speed of Boat = (D + U)/2

YourMockTest.com — Free Study Material

Calculation:
According to the question,
Downstream speed = 42/6 = 7 km/hr
Upstream speed = 15/5 = 3 km/hr
So, speed of stream is (7 - 3)/2 = 2 km/hr

Q71. Answer: (d) 7

Given:
cos x = 24/25
Formula:
cos x = Base/Hypotenuse
cot x = Base/Perpendicular
cosec x = Hypotenuse/Perpendicular
$(\text{Hypotenuse})^2 = (\text{Perpendicular})^2 + (\text{Base})^2$
Calculation:
cos x = Base/Hypotenuse = 24/25
Base = 24 and Hypotenuse = 25
$25^2 = 24^2 + (\text{Perpendicular})^2$
$\Rightarrow (\text{Perpendicular})^2 = 625 - 576$
$\Rightarrow (\text{Perpendicular}) = \sqrt{49}$
$\Rightarrow$ Perpendicular = 7
Now,
cot x + cosec x
$\Rightarrow$ 24/7 + 25/7
$\Rightarrow$ 49/7
$\Rightarrow$ 7

Q72. Answer: (c) 13/5

Given:
tan x = 3/2
Formula:
tan x = sin x/cos x
Calculation:
(3 sin x + 2 cos x)/(3 sin x - 2 cos x)
Divide cos x
$\Rightarrow$ (3 tan x + 2)/(3 tan x - 2)
$\Rightarrow (3 \times 3/2 + 2)/(3 \times 3/2 - 2)$
$\Rightarrow$ (4.5 + 2)/(4.5 - 2)
$\Rightarrow$ 6.5/2.5
$\Rightarrow$ 13/5
Shortcut Trick
Here, tan x = 3/2
According to the question, we can put sin x = 3 & cos x = 2,
We get,
$\Rightarrow$ (3 sin x + 2 cos x)/(3 sin x - 2 cos x)
$\Rightarrow (3 \times 3 + 2 \times 2)/(3 \times 3 - 2 \times 2)$
$\Rightarrow$ 13/5

Q73. Answer: (d) 1100

Given:
The radius of a circular cylinder = 5 cm
height of the circular cylinder = 14 cm
Formula:

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

Calculation:

r = 5 cm and h = 14 cm

Volume of cylinder = (22/7) × 5 × 5 × 14

Therefore Volume of cylinder = 1100 cm^2

Q74. Answer: (a) 19,593 ; 19,602

Given:

The given numbers is 19596.

Formula:

Divisibility law of 9 => A number is divisible by 9 if sum of its digit is divisible by 9.

Calculation:

19596 ÷ 9, then

Remainder = 3,

Therefore The nearest number which is divisible by 9 = 19596 - 3 = 19593

Therefore The next number which is divisible by 9 = 19593 + 9 = 19602

Q75. Answer: (a) 12 cm

Given:

AP = 12 cm

angle PAQ = 60°

Formula:

The radius from the center of the circle to the point of tangency is perpendicular to the tangent line.

sin A = Perpendicular/Hypotenuse

tan A = Perpendicular/Base

Calculation:

In OPAQ

angle OPA + angle OQA + angle PAQ + angle POQ = 360°

=> 90° + 90° + 60° + angle POQ = 360° - 240°

=> angle POQ = 120°

=> angle POA = angle QOA = angle POQ/2

=> angle POA = 120°/2

=> angle POA = 60°

In ΔOPA

tan 60 = PA/OP

=> √3 = 12/OP

=> OP = 12/√3

=> OP = 4√3

In ΔOPM

sin 60 = PM/OP

=> √3/2 = PM/4√3

=> PM = (√3/2) 4√3

PM = 6

=> PQ = 2PM

=> PQ = 2 × 6

=> PQ = 12 cm

Therefore The length of chord PQ is 12 cm.

Q76. Answer: (c) Kerala

The Correct Answer is Kerala.

• Mohiniyattam literally interpreted as the dance of ‘Mohini’, the celestial enchantress of Hindu mythology, is the classical solo dance form of Kerala.

Key Points

YourMockTest.com — Free Study Material

• References to Mohiniyattam can be found in the texts Vyavaharamala written in 1709 by Mazhamagalam Narayanan Namputiri and in Ghoshayatra, written later by poet Kunjan Nambiar.

• It has elements of Bharatanatyam (grace & elegance) and Kathakali (vigor) but is more erotic, lyrical, and delicate.

• Mohiniyattam is characterized by graceful, swaying body movements with no abrupt jerks or sudden leaps.

• It belongs to the lasya style which is feminine, tender, and graceful.

• The movements are emphasized by the glides and the up and down movement on toes, like the waves of the sea and the swaying of the coconut, palm trees, and paddy fields.

• Realistic make-up and simple dressing (in Kasavu saree of Kerala) are used.

Additional Information

8 classical dance forms of India

Dance	State
Bharatanatyam	Tamil Nadu
Kathak	Uttar Pradesh
Kathakali	Kerala.
Kuchipudi	Andhra Pradesh.
Odissi	Odisha
Sattriya	Assam
Manipuri	Manipur
Mohiniyattam	Kerala

Q77. Answer: (b) GNP – Depreciation

The Correct Answer is GNP – Depreciation.

Key Points

• Net National Income is Gross National Income or Gross National Product less depreciation.

• When depreciation is deducted from the GNP, we get Net National Income.

Important Points

• National income

• It is the sum of income earned by its residents from the factor services rendered to the production units, both within and outside the geographical boundaries of the country.

• GNP

• Gross National Product is defined as the total market value of all final goods and services produced in a year by Nationals of a country both inside and outside the country's territory.

• Depreciation

• Depreciation represents how much of an asset's value has been used up.

Q78. Answer: (c) Outer Himalayas

The Correct Answer is Outer Himalayas.

• The Sivalik Hills are a mountain range of the outer Himalayas.

• It stretches from the Indus River about 2,400 km eastwards close to the Brahmaputra River, spanning across the northern parts of the Indian subcontinent.

Key Points

• The Shiwaliks or Outer Himalayas

• The Shiwaliks extend from the Jammu Division of Jammu and Kashmir State to Assam.

• In width, Shiwaliks vary from 8 km in the east to 45 km in the west with an average elevation of about 1000- 1500 m above sea level.

• It is not a continuous range.

Additional Information

• The Himalayas may be divided into the following four divisions from north to south:

• The Trans-Himalayas

• The Trans-Himalayas is about 40 km wide. They contain the Tethys sediments

• The Greater Himalayas

• The Greater Himalayas rise abruptly like a wall north of the Lesser Himalayas.

• The Main Central Thrust separates the Greater Himalayas from the Lesser Himalayas.

• The Greater Himalayas are about 25 km wide with an average height above 6100 meters.

• Almost all the lofty peaks of the Himalayas Mb Everest, Kanchanjunga, Nanga-Parbat, Gasherbrum, Manaslu, Dhaulagiri, Annapurna, Gosainthan, Cho-Cyu, Nanda-Devi, Kamet, Badrinath, etc. Nanda Devi, etc., lie in this zone.

• The Lesser Himalayas

• The width of the Lesser Himalayas is about 80 km with an average height of 1300-4600 m.It is divided into Pir Panjal range and Dhauladhar range. Important places are Kullu Manali,Shimla etc.

• The Shiwaliks or Outer Himalayas

Q79. Answer: (d) Assam

The Correct Answer is Assam.

Key Points

• Five Indian states – Uttar Pradesh, Uttarakhand, West Bengal, Sikkim, and Bihar share their borders with Nepal.

• Assam does not share its boundary with Nepal.

Important Points

Country	Border Length	Bordering States
Afghanistan	106 Km	Ladakh (PoK)
Bangladesh	4096.7 Km	West Bengal, Meghalaya, Mizoram, Tripura, and Assam
Bhutan	699 Km	West Bengal, Sikkim, Arunachal Pradesh, Assam
China	3488 Km	Ladakh, Himachal Pradesh, Uttarakhand, Sikkim, and Arunachal Pradesh
Myanmar	1643 Km	Arunachal Pradesh, Nagaland, Mizoram, and Manipur
Nepal	1751 Km	Bihar, Uttarakhand, UP, Sikkim, and West Bengal
Pakistan	3323 Km	Jammu and Kashmir, Ladakh, Punjab, Rajasthan, and Gujarat
Sri Lanka	Sea Border	It is separated from India by the Gulf of Mannar
Maldives	Sea Border	It lies in the south-west part of the Indian Ocean below the Lakshadweep Island

Q80. Answer: (b) Compounds have a variable composition.

The incorrect statement is Compounds have a variable composition.

• Compounds have a fixed composition throughout the mass, Hence Option 2 is Not true.

Key Points

• Properties of Compound

• A compound is a substance made up of two or more elements chemically combined in a fixed proportion by mass.

• A compound cannot be separated into its constituents by physical processes (It can only be separated into its constituents by chemical processes).

• The properties of a compound are entirely different from those of its constituents.

• Energy (in the form of heat, light, etc.) is usually given out or absorbed during the preparation of a compound.

• The composition of a compound is fixed, the constituents are present in a fixed proportion by mass.

• A compound has a definite formula.

• A compound has a fixed melting point, boiling point.

Q81. Answer: (c) Digitizer

The Correct Answer is Digitizer.

Key Points

• A digitizer is a hardware device that receives analog information, such as sound or light and converts it into digital form.

• Usually, the information is stored in a file on a computing device.

• This process is called digitization.

• A digital camera is one example of a digitizer.

Additional Information

• Optical Mark Reading (OMR) is a method of entering data into a computer system.

• The OMR technology could be used if data is to be collected from a large number of sources simultaneously, a large volume of data must be collected and processed in a short period of time.

• A barcode reader is an optical scanner that can read printed barcodes, decode the data contained in the barcode, and send the data to a computer.

Q82. Answer: (a) The President of India

The correct answer is The President of India.

Key Points

• Article 61 of the constitution provides for the Impeachment of the President of India.

• The President can be removed from office by impeachment for violation of the Constitution.

• The charges of impeachment can be initiated in either house of the Parliament.

• The charges need to be signed by 1/4th of the members of the House and a 14-day notice should be given to the President.

• After the impeachment resolution is passed by a majority of the two-thirds of the majority of that House, it is sent to the other to investigate the charges.

• If the other House also passes the resolution for impeachment by a majority of two-thirds of the total membership of that House, the President then stands impeached from his office from the date on which the resolution has been passed.

Additional Information

• The Governor of any state can be removed from his office by the President anytime.

• there is no special procedure required to remove the governor from his office.

• State legislature or the Parliament can not remove the governor from his office.

• The PM of India can be removed from his office by the president if he loses majority support in the lower House i.e. Lok Sabha or upon expiry of his term.

• The CM of Indian states can be removed from his office by the governor if he loses majority support in State Legislative Assembly or upon the expiry of his term.

Q83. Answer: (c) AB+

The Correct Answer is AB+.

Key Points

• The universal recipient blood type is AB positive (also written as AB+).

• Any person with this blood type is able to safely receive a blood transfusion from any of the other blood types.

Important Points

• Antigens determine how a blood recipient reacts to a blood transfusion.

• An antigen is any substance the immune system can respond to.

• If the immune system encounters an antigen that is not found on the body's own cells, it will set off an attack to fight that antigen.

Additional Information

• O blood types are unique in that they have no antigens.

• The universal donor blood type is O negative

• O negative blood is considered the universal blood donor type because it is compatible with all A, AB, B, and O positive blood types.

Q84. Answer: (b) Russia

The Correct Answer is Russia.

Key Points

• Russian Prime Minister Dmitry Medvedev resigned.

• He resigned from the post after president Putin called for constitutional changes in his annual address.

YourMockTest.com — Free Study Material

Additional Information

• Mikhail Vladimirovich Mishustin became the Prime Minister of Russia on 16 January 2020.

Q85. Answer: (c) 14^(th)

The Correct Answer is 14^(th).

• Ram Nath Kovind became the 14th President of India.

Key Points

• Ram Nath Kovind has served as the 14th President of India.

• Prior to his nomination, he served as the 26th Governor of Bihar from 2015 to 2017 and as a Member of Parliament, Rajya Sabha from 1994 to 2006.

• Kovind was nominated as a presidential candidate by the ruling NDA coalition and won the 2017 presidential election.

Additional Information

• Dr. Rajendra Prasad is the First President of India.

• Neelam Sanjiva Reddy is the first person to be elected President of India without a contest and remains the only President to have been elected unopposed.

• Droupadi Murmu has been elected as the 15th President of India. She defeated the opposition candidate Yashwant Sinha in the election, the result of which was announced on Thursday (July 21).

Q86. Answer: (d) Subhash Chandra Bose

The Correct Answer is Subhash Chandra Bose.

• In 1938 in the Haripura session, Subhas Chandra Bose was elected as the president of INC.

• In the Haripura session, National Planning Committee set up under Jawahar Lal Nehru.

Important Points

• Annie Besant was elected as the First Woman President of Congress in Calcutta in 1917.

• Dr. Rajendra Prasad served as the President of the Indian National Congress in 1934 at the Bombay session and again in 1939 at the Tripuri session.

• Dr. Prasad was an active participant in India's freedom struggle and played a key role in the drafting of the Indian Constitution after independence. He was also the first President of independent India, serving from 1950 to 1962.

Additional Information

• The First Session of INC was held at Bombay in 1885.

• President: W.C. Bannerjee.

Q87. Answer: (b) Dipika Pallikal

The correct answer is Dipika Pallikal.

Key Points

• Dipika Pallikal is an Indian professional squash player.

• She is the first Indian to break into the top 10 in the PSA Women's rankings.

• She is married to Indian Cricketer Dinesh Karthik.

Additional Information

• Karnam Malleswari is a retired Indian weightlifter.

• She is the first Indian woman to win a medal at the Olympics.

• Saikhom Mirabai Chanu is an Indian weightlifter.

• She was awarded the Padma Shri by the Government of India for her contributions to the sport.

• Rakhi Haldar is also a weight lifter.

• In 2019, She won a bronze medal at the Qatar International Cup.

Q88. Answer: (b) Ben Stokes

The Correct Answer is Ben Stokes.

Key Points

• England Cricketer Ben Strokes has won the BBC Sports Personality of the year 2019.

• He was presented with his award by Princess Royal and former Manchester United and Scotland footballer Denis Law.

Additional Information

• Wayne Mark Rooney

• He is an English professional footballer who plays for Championship club Derby County.

YourMockTest.com — Free Study Material

• Kane Stuart Williamson is a New Zealand international cricketer.

• He is currently the captain of the New Zealand national team in all formats.

• Kylian Mbappé Lottin

• He is a French professional footballer who plays as a forward for Ligue 1 club, Paris Saint-Germain, and the France national team.

Q89. Answer: (a) Joystick

The Correct Answer is Joystick.

Key Points

• Joy Stick is a pointing device used to move an object on a screen in any direction.

• It employs a vertical rod mounted on a base with one or two buttons.

• Joysticks are often used to control video games, and usually have one or more push-buttons whose state can also be read by the computer.

Additional Information

• Optical Mark Reading (OMR)

• Optical Mark Reading (OMR) is a method of entering data into a computer system.

• Optical Mark Readers reads pencil or pen marks made in pre-defined positions on paper forms as responses to questions or tick list prompts.

• Visual Display Unit

• Visual Display Unit is a device for displaying input signals as characters on a screen.

• The monitor is an example of VDU.

• MIDI (Musical Instrument Digital Interface) controller

• It is a way to connect devices that make and control sounds — such as synthesizers, samplers, and computers — so that they can communicate with each other.

Q90. Answer: (c) Capitalistic Economy

The Correct Answer is Capitalistic Economy.

Key Points

• Capitalism is an economic system in which private individuals or businesses own capital goods.

• The production of goods and services is based on supply and demand in the general market.

• The purest form of capitalism is free market or laissez-faire capitalism.

• Here, private individuals are unrestrained.

• They may determine where to invest, what to produce or sell, and at which prices to exchange goods and services.

Additional Information

• Mixed Economy

• A mixed economic system is a system that combines aspects of both capitalism and socialism.

• A mixed economic system protects private property and allows a level of economic freedom in the use of capital, but also allows for governments to interfere in economic activities in order to achieve social aims.

• Communist Economy

• Communist Economy advocates for a classless system in which the means of production are owned communally and private property is nonexistent or severely curtailed.

Q91. Answer: (d) Japan

The Correct Answer is Japan.

Key Points

• Japan has the world's strongest passport whereas Afghanistan (107th rank) has the weakest.

• Singapore, in second place (same as in 2019) followed by Germany and South Korea both share the third position in the index.

• The Indian passport ranked 85th in the world.

Additional Information

• The Henley Passport Index is published by Henley & Partners.

• The rank is given according to the number of destinations the respective passport holders can access without a prior visa.

• The index includes 199 different passports and 227 different travel destinations.

• The Henley Passport Index was launched in 2006 with the aim of providing a global picture of freedom of travelling.

YourMockTest.com — Free Study Material

Q92. Answer: (a) Tethys

The Correct Answer is Tethys.

Key Points

• Tethys Sea, a former tropical body of water that separated the supercontinent of Laurasia in the north from Gondwana in the south during much of the Mesozoic Era (251 to 65.5 million years ago).

• There were many rivers that were flowing into the Tethys Sea (some of the Himalayan rivers are older than the Himalayas themselves.

• Sediments were brought by these rivers and were deposited on the floor of the Tethys Sea.

• These sediments were subjected to powerful compression due to the northward movement of the Indian Plate.

• This resulted in the folding of sediments.

• Once the Indian plate started plunging below the Eurasian plate, these sediments were further folded and raised.

• And the folded sediments, after a lot of erosional activity, appear as the present-day Himalayas.

Q93. Answer: (a) Jokha Alharthi

The Correct Answer is Jokha Alharthi.

Key Points

• Jokha Alharthi, the first female Omani novelist to be translated into English, has won the Man Booker International Prize 2019 for her novel Celestial Bodies.

• She shared the prize equally with her translator, American academic Marilyn Booth.

Additional Information

• Arundhati Roy is an Indian author best known for her novel The God of Small Things.

• She won the Man Booker Prize for Fiction in 1997.

• Anna Burns is an author from Northern Ireland.

• Her novel Milkman won the 2018 Man Booker Prize and the 2020 International Dublin Literary Award.

• Salman Rushdie is a British-Indian novelist best known for the novels 'Midnight's Children' and 'The Satanic Verses.

Q94. Answer: (a) Sunil Arora

The Correct Answer is Sunil Arora.

Key Points

• Sunil Arora was the 23rd Chief Election Commissioner of India.

• The two Election Commissioners are Rajiv Kumar and Sushil Chandra.

• Current 25th Chief Election Commissioner - Rajiv Kumar

Important Points

• The Election Commission of India is an autonomous constitutional authority responsible for administering Union and State election processes in India.

• The body administers elections to the Lok Sabha, Rajya Sabha, State Legislative Assemblies in India, and the offices of the President and Vice President in the country.

• Presently, it consists of the Chief Election Commissioner and two Election Commissioners.

• The election commission of India is provided under Article 324 of the constitution of India.

Q95. Answer: (c) 1917

The Correct Answer is 1917.

Key Points

• In 1917 Gandhiji was requested to look into the problems of the farmers in the context of indigo planters of Champaran in Bihar.

• The European planters had been forcing the peasants to grow indigo on 3/20 part of the total land (called tinkathia system).

• Gandhi travelled across the district to different villages, meeting farmers and taking note of their sufferings and complaints against the forced indigo cultivation.

• His protest led to the abolishing of the exploitative tinkathia system.

• The victory at Champaran established Gandhiji in India’s struggle against the British raj.

• This was the first Civil Disobedience Movement by Gandhi Ji in India.

Q96. Answer: (d) Exosphere

The Correct Answer is Exosphere.

Key Points

• The uppermost layer of the atmosphere above the thermosphere is known as the exosphere.
• This is the highest layer but very little is known about it.
• Whatever contents are there, these are extremely rarefied in this layer, and it gradually merges with the outer space.

Important Points

• The atmosphere consists of different layers with varying densities and temperatures.
• Density is highest near the surface of the earth and decreases with increasing altitude.
• The column of the atmosphere is divided into five different layers depending upon the temperature condition.
• They are the troposphere, stratosphere, mesosphere, thermosphere, and exosphere.

Additional Information

• Troposphere
• The troposphere is the lowermost layer of the atmosphere.
• Its average height is 13 km and extends roughly to a height of 8 km near the poles and about 18 km at the equator.
• Stratosphere
• The stratosphere is found above the tropopause and extends up to a height of 50 km.
• The stratosphere contains the ozone layer.
• Mesosphere
• The mesosphere lies above the stratosphere, which extends up to a height of 80 km.
• In this layer, the temperature starts decreasing with the increase in altitude.
• Ionosphere
• The ionosphere is located between 80 and 400 km above the mesopause.
• It contains electrically charged particles known as ions, and hence, it is known as the ionosphere.

Q97. Answer: (c) Bromine

The Correct Answer is Bromine.

Key Points

• Bromine is a very poor conductor of electricity.
• Bromine was discovered in 1826 by the French chemist Antoine-Jérôme Balard.
• It is a deep red noxious liquid at room temperature.
• The atomic number of Bromine is 35.
• It is a p-block element.
• It is the third-largest halogen.

Additional Information

• Carbon is a non-metal that can exist in different forms. Each form is called an allotrope. Diamond, an allotrope of carbon, is the hardest natural substance known and has a very high melting and boiling point. Graphite, another allotrope of carbon, is a conductor of electricity.
• Non-metals have properties opposite to that of metals. They are neither malleable nor ductile. They are bad conductors of heat and electricity, except for graphite, which conducts electricity
• The most electrically conductive element is silver, followed by copper and gold.

Q98. Answer: (c) Rohit Sharma

The Correct Answer is Rohit Sharma.

Important Points

• Rohit Sharma has been adjudged the Man of the Match for his match-winning 119.
• India won against Australia by seven wickets in the series-deciding third One Day International (ODI).
• The match was played at the M Chinnaswamy Stadium in Bengaluru.
• India won the series by 2-1.

Q99. Answer: (a) Allama Muhammad Iqbal

The Correct Answer is Allama Muhammad Iqbal.

Key Points

• "Sare Jahan se Accha" known as "Tarānah-e-Hindi" is an Urdu language patriotic song written by poet Muhammad Iqbal.
• The poem was published in the weekly journal Ittehad on 16 August 1904.

Additional Information

YourMockTest.com — Free Study Material

• Bismil Azimabadi was a freedom fighter, landlord, and an Urdu poet from Patna, Bihar.
• He is known for writing "Sarfaroshi Ki Tamanna".
• Anandamath is a Bengali fiction, written by Bankim Chandra Chattopadhyay and published in 1882.
• Vande Mataram was published in this novel.
• Gitanjali is a collection of poems by the Bengali poet Rabindranath Tagore.
• Jana Gana Mana was originally composed as Bharoto Bhagyo Bidhata in Bengali by Rabindranath Tagore.

Q100. Answer: (d) India

The Correct Answer is India.

Key Points

• The 2018–19 Men's Hockey Series was the inaugural season of the Hockey Series, a field hockey championship for men's national teams.
• The tournament started in June 2018 and finished in June 2019.
• India beat Japan 3-1 in the final to win the FIH Series Finals in Hiroshima.

Additional Information

• FIH Series was organized by the International Hockey Federation.
• The competition has served as a qualifier for the Olympic games.
• From 2022, The tournament will be replaced as Men's and Women's intercontinental championship.

More previous year papers and mock tests: **www.yourmocktest.com/pyq**

YourMockTest.com — Free Study Material