SSC CHSL Tier-1 2023: Official Paper (Held On: 03 Aug, 2023 Shift 3) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2023 • 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-tier-1-2023-official-paper-held-on-03-aug-2023-shift-3-…

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

YourMockTest.com — Free Study Material

ENGLISH LANGUAGE

Q1. Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

YZN, HDI, QHD, ZLY, ?

(a) IOT
(b) JPT
(c) IPT
(d) JOT

Q2. Select the word-pair that does NOT represent a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Rapidly : Swiftly

(a) Obtain : Procure
(b) Distress : Trouble
(c) True : Correct
(d) Idle : Active

Q3. In a certain code language, 'PYRE' is coded as '5108' and 'YELP' is coded as '8601'. What is the code for 'R' in the given code language?

(a) 0
(b) 1
(c) 8
(d) 5

Q4. What should come in place of the question mark (?) in the given series?

333, 337, 345, ?, 393

(a) 361
(b) 349
(c) 378
(d) 382

Q5. Which of the following interchanges in two mathematical operators will balance the equation given below?

14 - 96 × 24 + 16 ÷ 4 = 74

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

Q6. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements: Some Bagels are Eggs. Some Bagels are Cheese. Some Cheese are Smiles.

Conclusions: (I) Some Cheese are Eggs.

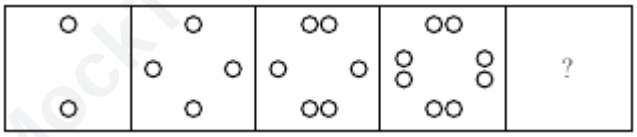
(II) Some Bagels are Smiles.

(a) Only conclusion (II) follows.
(b) Only conclusion (I) follows.
(c) Both conclusions (I) and (II) do not follow.
(d) Both conclusions (I) and (II) follow.

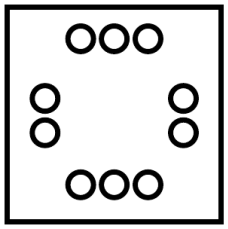
Q7. T is the mother of S's father. U is the wife of S. V is the only son of W who is married to T. X is the daughter of U. Y is the brother of X and married to Z. How is S related to Z?

(a) Husband's mother
(b) Husband's father
(c) Wife's mother
(d) Wife's brother

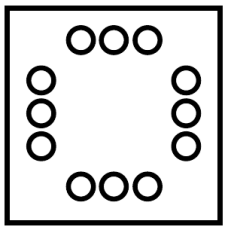
Q8. Identify the figure given in the options which when put in place of ? will logically complete the series.



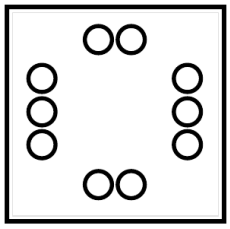
(a)



(b)

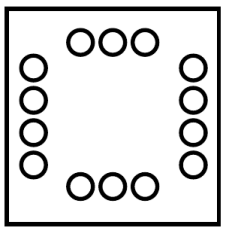


(c)

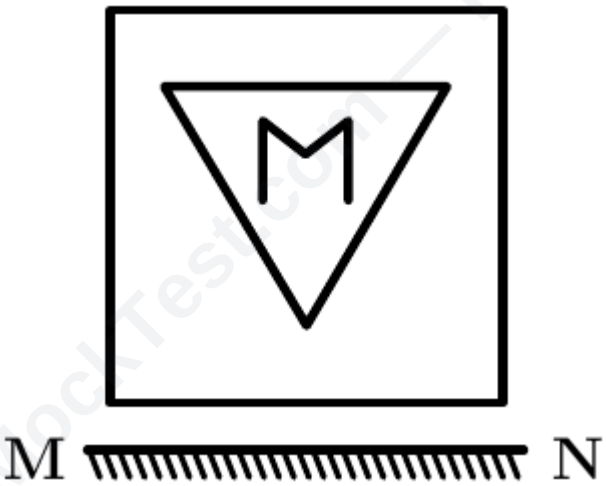


YourMockTest.com – Free Study Material

(d)



Q9. Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



(a)



(b)



(c)



YourMockTest.com — Free Study Material

(d)



Q10. FJMN is related to LPST in a certain way based on a certain relationship between the given letters in the English alphabetical order. In the same way, ADEL is related to GJKR. Which of the given options is DMJN related to following the same logic?

(a) LPTQ
(b) JSPT
(c) TJMK
(d) SJJP

Q11. 12 is related to 50 following a certain logic. Following the same logic, 19 is related to 78. To which of the following is 13 related to, following the same logic?

(a) 32
(b) 59
(c) 54
(d) 44

Q12. SXYU is related to TYZV in a certain way based on the English alphabetical order. In the same way, GLMI is related to HMNJ. To which of the following is QVWS related to, following the same logic?

(a) RVUT
(b) RVXT
(c) RWXT
(d) RVWT

Q13. Four terms have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(a) TVD
(b) FHP
(c) LNV
(d) KMV

Q14. Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

BPY, ENB, ?, KJH, NHK

(a) GLF
(b) HLE
(c) GMF
(d) HMD

Q15. What should come in place of the question mark (?) in the given series?

5 8 11 14 17 ?

(a) 19
(b) 20
(c) 21
(d) 22

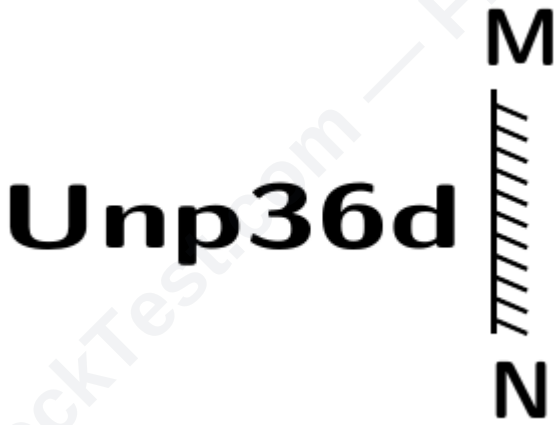
YourMockTest.com — Free Study Material

Q16. Three of the following number pairs are alike in some manner and one is different. Select the odd number pair.

(NOTE: The second number in the given number pairs is formed by performing a certain operation on the first number. The same operation is followed in all the number pairs except one. Find that odd number pair.)

(a) 55 : 10
(b) 80 : 13
(c) 20 : 3
(d) 95 : 18

Q17. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q18. In a certain code language, 'CHAP' is coded as '9756' and 'PACE' is coded as '5963'. What is the code for 'H' in the given code language?

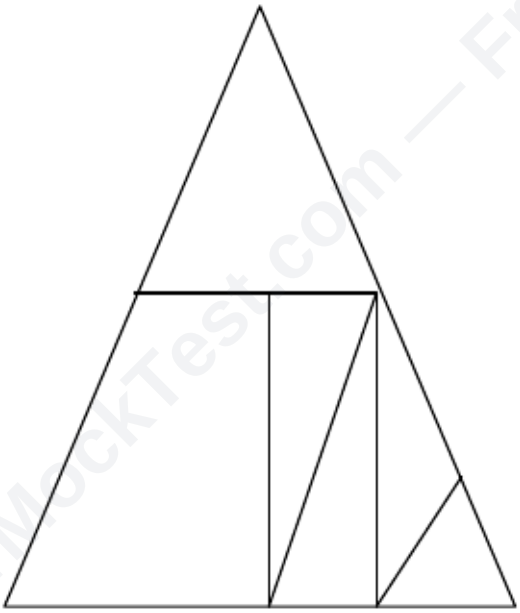
(a) 6
(b) 9
(c) 55

(d) 7

Q19. If 5 May 1911 is Friday, then what will be the day of the week on 11 September 1919?

(a) Sunday
(b) Monday
(c) Friday
(d) Thursday

Q20. How many triangles are there in the given figure?



(a) 10
(b) 7
(c) 8
(d) 9

Q21. If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-'; what will come in place of the question mark (?) in the following equation?

13 C 27 A 3 B 8 D 12 = ?

(a) 71
(b) 64
(c) 73
(d) 69

Q22. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

All magnets are poles.

All poles are telescopes.

Some telescopes are computers.

Conclusion (I): All telescopes are magnets.

Conclusion (II): Some poles are computers.

(a) Both conclusions (I) and (II) are true.
(b) Only conclusion (I) is true.
(c) Only conclusion (II) is true.
(d) Neither conclusion (I) nor (II) is true.

YourMockTest.com — Free Study Material

Q23. If it will be Monday day after tomorrow, then what was the day of the week 50 days ago from today?

(a) Friday
(b) Thursday
(c) Saturday
(d) Sunday

Q24. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/ subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

56 - 26 - 60 and 19 - 8 - 22

(a) 60 - 18 - 21
(b) 35 - 16 - 18
(c) 86 - 36 - 100
(d) 22 - 5 - 23

Q25. What will come in the place of ' ?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

9 ÷ 576 × 24 + 109 - 7 = ?

(a) 114
(b) 214
(c) 318
(d) 218

GENERAL INTELLIGENCE

Q26. Which of the following diseases is a potential contender for worldwide eradication?

(a) Polio
(b) Tuberculosis
(c) Measles
(d) Malaria

Q27. How many Gold medals India won in the Olympics between 1928 and 1980?

(a) 7
(b) 5
(c) 6
(d) 8

Q28. Due to which of the following reasons can money be differentiated from other physical assets that can perform the function of store of value?

(a) Money has common acceptability.
(b) Money possesses liquidity.
(c) Money is neutral.
(d) Money is easy to store.

Q29. English as the official language of India for higher education was incorporated in the resolution formulation by _____.

(a) Lord Hastings
(b) Lord Wellesley
(c) Lord Macaulay
(d) Lord Dalhousie

YourMockTest.com — Free Study Material

Q30. Who was the author of the book "Vrihat Katha Kosha'?

(a) Laxmidhar
(b) Jayanaka
(c) Harisena
(d) Rajashekhar

Q31. Which of these is NOT the reason why 'final' goods are called so?

(a) They are meant for final use.
(b) They are the last to be consumed.
(c) They will not pass through any more stages of production.
(d) They are not processed or transformed further:

Q32. Which city in India is known as the 'Detroit of India' due to its automobile industry?

(a) Chennai
(b) Mumbai
(c) Bengaluru
(d) Pune

Q33. In which year did RBI introduce the regulatory framework for microfinance loans?

(a) 2021
(b) 2022
(c) 2020
(d) 2019

Q34. Who among the following won the bronze medal at the World Under-20 Wrestling Championship 2022, which was held in Sofia, Bulgaria?

(a) Atul Malhotra
(b) Vikas Khedkar
(c) Rohit Dahiya
(d) Bajrang Punia

Q35. The provision for the post of Vice-President in the Indian Constitution was taken from _____.

(a) France
(b) United States of America
(c) Ireland
(d) Japan

Q36. Which of the following Indian pairs won the gold medal in Badminton in the Commonwealth Games - 2022 held in August 2022?

(a) Chirag Shetty and Lakshya Sen
(b) Satwiksairaj Rankireddy and Lakshya Sen
(c) Satwiksairaj Rankireddy and Chirag Shetty
(d) Srikanth Kidambi and Lakshya Sen

Q37. According to the Köppen classification, which letter code represents a tropical climate with a dry winter season found in large parts of peninsular India south of the Tropic of Cancer?

(a) BWk
(b) Aw
(c) CWh
(d) Dw

Q38. In 2022, Chief Minister MK Stalin introduced the 'Pudhumai Penn' (Modern Women) program, under which all female students enrolled in government schools from classes 6 through 12 will receive _____ each month to pursue higher education.

(a) Rs. 2,000

YourMockTest.com — Free Study Material

(b) Rs. 2,500
(c) Rs. 1,500
(d) Rs. 1,000

Q39. Which of the following is a traditional dance form of Sri Lanka?
(a) Bihu
(b) Kathak
(c) Kandyan dance
(d) Bharatanatyam

Q40. Who among the following personalities is known as the 'Queen of Carnatic Music'?
(a) MS Subbulakshmi
(b) Vijaya Rajendran
(c) Kavita Krishnamoorti
(d) Lata Mangeshkar

Q41. Which of the following statements best describes the characteristics of a crystalline solid?
(a) Easily experiences geometric deformation
(b) There is no precise melting point
(c) Has an uneven 3-dimensional layouts
(d) Changes abruptly from solid to liquid when heated

Q42. Which of the following correctly represents the number of atoms in one mole of CH3 OH?
(a) 6.0 × 1023
(b) 3.6 × 1024
(c) 3.0 × 1025
(d) 3

Q43. Rann Utsav is celebrated in which of the following states?
(a) Goa
(b) Punjab
(c) Gujarat
(d) Haryana

Q44. Which of the following is NOT one of the basic questions every society needs to answer?
(a) How should the goods be distributed?
(b) How should goods be produced?
(c) What goods and services to produce?
(d) How should the goods be exchanged?

Q45. Which of the following is a feature of fundamental duties mentioned in the Indian Constitution?
(a) Some of them available to legal expertise.
(b) Reasonable restrictions can be imposed.
(c) Some of them are available to foreigners.
(d) The Constitution does not provide for their direct enforcement.

Q46. Identify the true statement among the following.
(a) Income Tax is an Indirect Tax
(b) Goods and Services Tax is a direct tax
(c) Fees and Fines collected is a non-tax receipt
(d) Borrowings from the public is a revenue receipt

YourMockTest.com — Free Study Material

Q47. The One Dance UK Lifetime Achievement Award 2021 in South Asian Dance was given to:

(a) Smita Vadnerkar
(b) Maggie Morris
(c) Alysha Kassam
(d) Kamara Gray

Q48. Which of the following is a folk dance from the state of Gujarat?

(a) Tippani
(b) Phag
(c) Dhimsa
(d) Dhamal

Q49. The Jog Falls, one of the highest waterfalls in India is the cataract of which river?

(a) Narmada
(b) Tungabhadra
(c) Sharavati
(d) Cauvery

Q50. Narayan Guru, a social reformer from Ezhava caste and who propagated an anti-caste movement, was born in which of the following states of India?

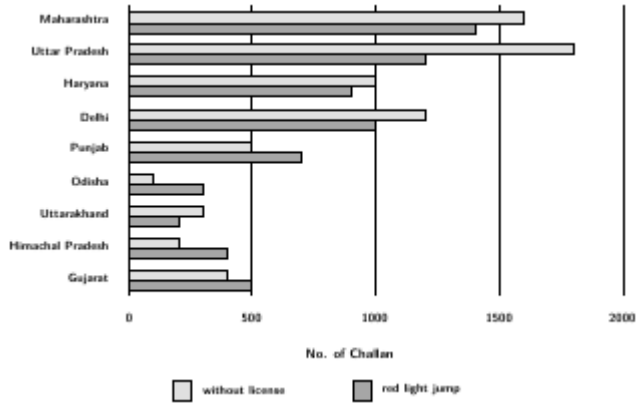
(a) Karnataka
(b) Kerala
(c) Andhra Pradesh
(d) Tamil Nadu

QUANTITATIVE APTITUDE

Q51. A bottle is filled with liquid of which 4 parts are water and 5 parts are fruit extract. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half fruit extract?

(a) 1/10
(b) 9/10
(c) 4/9
(d) 5/9

Q52. The bar graph represents the number of challan in 9 states of India.

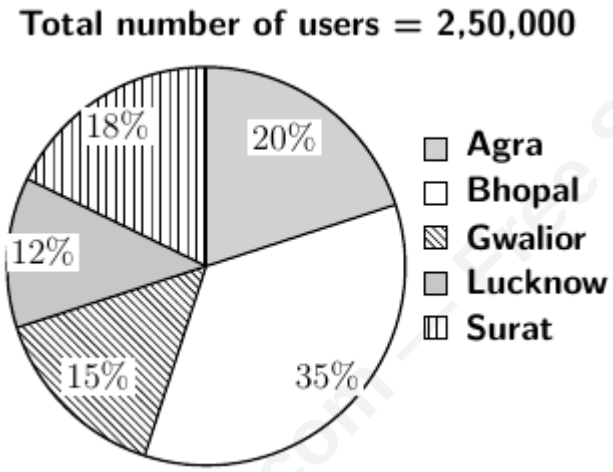


The percentage of without license challan in Delhi is how much more than those in Uttarakhand and Himachal Pradesh together?

(a) 120%
(b) 300%
(c) 140%
(d) 250%

Q53. Study the given pie chart and answer the question that follows.

The pie chart represents the percentage of magazine users in five different cities of India.



What is the central angle made by Bhopal city in the pie chart?

(a) 128°
(b) 126°
(c) 122°
(d) 124°

Q54. The fourth proportional of 1.4, 8.4 and 4.2 is:

(a) 2.8
(b) 0.7
(c) 25.2
(d) 6.4

Q55. $\sin^2 35° + \sin^2 55° =$ _____.

(a) 0
(b) 1
(c) 2sin 35°
(d) 2sin 55°

Q56. In a 1 km race, P completes the race in 120 seconds and Q in 125 seconds. The distance by which P beats Q is:

(a) 40 metres
(b) 80 metres
(c) 20 metres
(d) 60 metres

Q57. Two circles of radii 15 and 18 cm touch each other externally. What is the length (in cm) of the direct common tangent to the two circles?

(a) 18 √6
(b) 12 √15
(c) 30 √6
(d) 6 √30

Q58. The given expression is equal to:

$((1+\tan^2 A))/(\operatorname{cosec}^2 A \cdot \tan A)$

(a) $\sec^2 A$
(b) sec A
(c) Tan A
(d) $\tan^2 A$

YourMockTest.com – Free Study Material

Q59. The marked price of the cupboard is Rs. 15,750, which is 50% above its cost price. It is sold at a discount of 40%. What is the profit/loss percentage?

(a) Profit, 10%
(b) Loss, 10%
(c) Loss, 20%
(d) Profit, 20%

Q60. If $a^2+1/(a^2)=7/3$, then what is the value of $(a^3-1/(a^3))$?

(a) $5/(3\sqrt{3})$
(b) $10/(3\sqrt{3})$
(c) $7/(3\sqrt{3})$
(d) $8/(3\sqrt{3})$

Q61. How much chicory, costing Rs. 100/kg should be added to 40 kg of coffee costing Rs. 45/kg so that the mixture will be worth Rs. 60/kg?

(a) 12.5 kg
(b) 5 kg
(c) 17.5 kg
(d) 15 kg

Q62. In a triangle PQR, QR is produced to S. If angle PRS = (9x - 15)°, angle RPQ = (2x)°, and angle PQR = (4x + 15)°, what is the value of x?

(a) 55
(b) 20
(c) 10
(d) 75

Q63. If $a + b = 10$ and $a^2+ b^2= 58$, find the value of ab

(a) 24
(b) 27
(c) 30
(d) 21

Q64. What price should a tradesman mark on an article which costs him Rs. 153 to gain 20% after allowing a discount of 15%?

(a) Rs. 416
(b) Rs. 116
(c) Rs. 216
(d) Rs. 316

Q65. The cost of 3 cups and 5 plates is Rs. 1,080 and the cost of 2 cups and 4 plates is Rs. 840. Find the ratio of the cost of a cup to the cost of a plate.

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

Q66. Two circles touch each other externally, having a radius of 12 cm and 8 cm, respectively. Find the length of their common tangent AB with point A on bigger circle and B on the smaller circle.

(a) $8\sqrt{6}$ cm
(b) $8\sqrt{3}$ cm
(c) $12\sqrt{3}$ cm
(d) $12\sqrt{6}$ cm

YourMockTest.com — Free Study Material

Q67. cos^4 A - sin^4 A is equal to:

(a) 2cos2 A + 1
(b) 1-2 sin2 A
(c) 2sin2 A - 1
(d) -(2sin2 A + 1)

Q68. What is the compound interest on Rs. 62,500 for 2 years at 8% per annum compounded yearly?

(a) Rs. 10,500
(b) Rs. 10,300
(c) Rs. 10,400
(d) Rs. 10,600

Q69. If in ΔPQR and ΔDEF, angle P = 52°, angle Q = 74°, angle R = 54°, angle D = 54°, angle E = 74° and angle F = 52°, then which of the following is correct?

(a) ΔPQR ∼ ΔFED
(b) ΔRQP ∼ ΔFED
(c) ΔPRQ ∼ ΔFED
(d) ΔPQR ∼ ΔDEF

Q70. Find the fourth proportion for 15,55 and 81.

(a) 231
(b) 297
(c) 335
(d) 313

Q71. The length, breadth, and height of a room are 7 m, 5 m and 3 m, respectively. Find the cost of whitewashing the walls of the room and the ceiling at the rate of Rs. 16 per m^2.

(a) Rs. 1,712
(b) Rs. 1,742
(c) Rs. 1,698
(d) Rs. 1,684

Q72. If the simple interest on a certain sum of money is Rs. 11,220 at the rate of 16 1/2 % per annum for 8 years and 3 months, then what is the principal amount (in Rs. , rounded off to the nearest rupee)?

(a) 4,228
(b) 6,822
(c) 8,422
(d) 8,242

Q73. A tailor buys lining clothes from a wholesale merchant and cheats him by using a measurement tape which is 5 cm longer than the normal tape. The tailor offers the customers at cost price while stitching different garments and uses measurement tape which is 5 cm shorter than the normal tape. The gain percent is:

(a) 15%
(b) 10 10/25 %
(c) 10%
(d) 10 10/19 %

Q74. Study the given table and answer the question that follows.

The table shows the percentage of female employees in various departments of a company.

Department	Percentage of Female Employees
Production	55
R & D	60
Purchase	40

YourMockTest.com — Free Study Material

Accounts	10
Administration	50
Total	41.51

If the accounts department has 198 male employees, R & D has 100 male employees, then the total number of female employees in these two departments will be:

(a) 144
(b) 185
(c) 168
(d) 172

Q75. If $(y+1/y)=8$, find the value of $(y^2+1/(y^2))$.

(a) 64
(b) 66
(c) 62
(d) 60

GENERAL AWARENESS

Q76. Select the most appropriate synonym of the underlined word in the given sentence.

The event, in a cramped space, was totally bizarre in my view.

(a) Usual
(b) Customary
(c) Odd
(d) Normal

Q77. Select the sentence that has the correct use of spellings from the given options.

(a) While the negociation process was complex and at times contentious, the two sides ultimately reached a mutually benificial aggreement.
(b) While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutually beneficial agreement.
(c) While the nagotiation process was complex and at times contencious, the two sides ultimately reached a mutually beneficial agreement.
(d) While the negotiation process was complex and at times contencious, the two sides ultimately reached a mutually beneficial aggreement.

Q78. Select the most appropriate ANTONYM of the given word.

Frugality

(a) Parsimony
(b) Extravagance
(c) Providence
(d) Economy

Q79. Select the option that expresses the given sentence in passive voice.

Moti has thrown the balls.

(a) The balls were thrown by Moti.
(b) The balls have been thrown by Moti.
(c) The balls were being thrown by Moti.
(d) The balls had been thrown by Moti.

Q80. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Since the storm knocked in the power, we've been using candles to light our home.

(a) No substitution required

YourMockTest.com — Free Study Material

(b) the storm knocked out the power
(c) the storm knocked over the power
(d) the storm knocked away the power

Q81. Select the most appropriate idiom for the given situation.
Geetika spoke a lot about her new movie. However, it came to nothing in the theatres.
(a) To give the devil his dues
(b) To get into hot water
(c) To dig the grave
(d) To end in smoke

Q82. Select the most appropriate idiom for the underlined segment in the following sentence.
Raima takes her classes very attentively.
(a) In accordance with
(b) By blazing a trail
(c) By losing in a cloud
(d) Be all ears

Q83. Select the sentence that has the correct use of spellings from the given options.
(a) Althogh the book was difficult to read, I persisted and eventualy understood the complex ideas.
(b) Although the book was difficult to read, I persisted and eventually understood the complex ideas.
(c) Although the book was difficult to read, I persisted and eventualy understood the complex ideas.
(d) Although the book was difficult to read, I persested and eventually understood the complex ideas.

Q84. Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.
The (friendly) dog wagged its tail, while the _____ cat hissed.
(a) loving
(b) welcoming
(c) affectionate
(d) hostile

Q85. Select the option that expresses the following sentence in passive voice.
His brother needed some urgent help at that moment.
(a) Some urgent help was needed by his brother at that moment.
(b) Urgent help was needed by his brother at that moment.
(c) Some urgent help is needed by his brother at that moment.
(d) Some urgent help was needed by his brother at this moment.

Q86. Select the most appropriate option that can substitute the underlined words in the given sentence.
Could you please tell me which languages you are fluent in?
(a) you may be fluent in speaking
(b) you speak fluently
(c) you fluently speaking
(d) you have been fluent in speaking

Q87. Select the option that can be used as a one-word substitute for the given group of words.
A person who lives a secluded or solitary life, often for religious reasons
(a) Extrovert
(b) Chauvinist
(c) Monk
(d) Hypochondriac

YourMockTest.com – Free Study Material

Q88. Select the most appropriate ANTONYM of the given word.

Acclimatise

(a) Disarrange
(b) Prioritise
(c) Placate
(d) Decriminalise

Q89. Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

A) have to deal with
B) about the terrible traffic
C) on his way to work
D) Nishit begins thinking
E) he will surely

(a) A, D, B, C, E
(b) C, D, B, A, E
(c) D, B, E, A, C
(d) E, B, A, D, C

Q90. Select the most appropriate option that can substitute the underlined words in the given sentence.

When I reached the market place, the coconuts was already sold.

(a) are already sold
(b) have already sell
(c) is already sold
(d) were already sold

Q91. Select the most appropriate ANTONYM of the underlined word in the following sentence.

Gandhi's approach, while effective in mobilising large segments of Indian society, was criticised by some for being passive and overly accommodating.

(a) Reconciling
(b) Strenuous
(c) Disobliging
(d) Gratifying

Q92. Select the most appropriate synonym of the given word.

Tranquil

(a) Anxious
(b) Dilemma
(c) Fierce
(d) Peaceful

Q93. Select the grammatically correct version of the following sentence.

The young pirate is more cleverer than the captain of the ship.

(a) The young pirate is cleverer to the captain of the ship.
(b) The young pirate is cleverer than the captain of the ship.
(c) The young pirate is most clever than the captain of the ship.
(d) The younger pirate is cleverer than the captain of the ship.

Q94. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

In course by time, / he was wise enough to realise / the mistakes of his past life.

(a) In course by time,
(b) he was wise enough to realise

YourMockTest.com — Free Study Material

(c) the mistakes of his past life.
(d) No error

Q95. Select the option that can be used as a one-word substitute for the given group of words.

The study of coins

(a) Currency
(b) Minting
(c) Numismatics
(d) Barter

Directions

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Daniel talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)_____ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)__ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)___? Isn't that the reason we have a government in the first place? He decides to (4)___ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)____ be no more wars.

Q96. Select the most appropriate option to fill in blank number 1.

(a) grant
(b) agree
(c) consent
(d) announce

Q97. Select the most appropriate option to fill in blank number 2.

(a) what
(b) when
(c) where
(d) how

Q98. Select the most appropriate option to fill in blank number 3.

(a) peacefully
(b) disruptively
(c) compulsorily
(d) excitingly

Q99. Select the most appropriate option to fill in blank number 4.

(a) speak
(b) chat
(c) declare
(d) blabber

Q100. Select the most appropriate option to fill in blank number 5.

(a) doubtlessly
(b) wabbly
(c) absurdly
(d) probably

YourMockTest.com — Free Study Material

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (c) IPT

The logic followed here is:

So, 'IPT' will replace the question mark in the given series.

Hence, the correct answer is "Option 3".

Q2. Answer: (d) Idle : Active

The logic followed here is:

Logic: The words are Synonym of each other.

Here,

Rapidly : Swiftly → Rapidly and Swiftly both the words are Synonym of each other.

Now,

Option 1) Obtain : Procure → Obtain and Procure both the words are Synonym of each other.

Option 2) Distress : Trouble → Distress and Trouble both the words are Synonym of each other.

Option 3) True : Correct → True and Correct both the words are Synonym of each other.

Option 4) Idle : Active → Idle and Active both the words are Antonym of each other.

Hence, the correct answer is "Option 4".

Q3. Answer: (d) 5

The logic followed here is:

‘PYRE' is coded as '5108'

'YELP' is coded as '8601’,

Here, 'YEP' is common in both the statement, so the remaining number is the code for the remaining letter.

So, 'R' will be coded as '5'.

Hence, the correct answer is "Option 4".

Q4. Answer: (a) 361

The logic followed here is:

So, '361' will replace the question mark in the given series.

Hence, the correct answer is "Option 1".

Q5. Answer: (c) ÷ and ×

Given equation: 14 - 96 × 24 + 16 ÷ 4 = 74.

BODMAS Table:

Let's check each option one by one.

YourMockTest.com — Free Study Material

Option 1) - and ÷
Given: 14 - 96 × 24 + 16 ÷ 4 = 74
After interchanging the symbols, we get;
=> 14 ÷ 96 × 24 + 16 - 4 = 74
=> 3.5 + 16 - 4 = 74
=> 19.5 - 4 = 74
=> 15.5 ≠ 74
=> LHS ≠ RHS
Option 2) + and -
Given: 14 - 96 × 24 + 16 ÷ 4 = 74
After interchanging the symbols we get;
=> 14 + 96 × 24 - 16 ÷ 4 = 74
=> 14 + 96 × 24 - 4 = 74
=> 14 + 2304 - 4 = 74
=> 2318 - 4 = 74
=> 2314 ≠ 74
=> LHS ≠ RHS
Option 3) ÷ and ×
Given: 14 - 96 × 24 + 16 ÷ 4 = 74
After interchanging the symbols we get;
=> 14 - 96 ÷ 24 + 16 × 4 = 74
=> 14 - 4 + 16 × 4 = 74
=> 14 - 4 + 64 = 74
=> 78 - 4 = 74
=> 74 = 74
=> LHS = RHS
Option 4) + and ×
Given: 14 - 96 × 24 + 16 ÷ 4 = 74
After interchanging the symbols we get;
=> 14 - 96 + 24 × 16 ÷ 4 = 74
=> 14 - 96 + 24 × 4 = 74
=> 14 - 96 + 96 = 74
=> 110 - 96 = 74
=> 14 ≠ 74
=> LHS ≠ RHS
Hence, the correct answer is "Option 3".

Q6. Answer: (c) Both conclusions (I) and (II) do not follow.

Given Statements:
Some Bagels are Eggs.
Some Bagels are Cheese.
Some Cheese are Smiles.
The least possible Venn diagram for the given statement is:
Conclusions:
I. Some Cheese are Eggs - False (Because, No definite relation given between Cheese and Eggs, so it can be possible only).
II. Some Bagels are Smiles - False (Because, No definite relation given between Bagels and Smiles, so it can be possible only).
So, Both conclusions (I) and (II) do not follow.
Hence, the correct answer is "Option 3".

Q7. Answer: (b) Husband's father

Family Chart:
Given:

T is the mother of S's father.
U is the wife of S.
V is the only son of W who is married to T.
X is the daughter of U.
Y is the brother of X and married to Z.
So, S is 'Husband's father' of Z.
Hence, the correct answer is "Option 2".

Q8. Answer: (a) [figure]

The logic followed here is:
Logic: Two Circles are increased in each next images.
Hence, the correct answer is "Option 1".

Q9. Answer: (c) [figure]

The correct mirror image of the given figure is:
Hence, the correct answer is "Option 3".

Q10. Answer: (b) JSPT

The logic followed here is:
For, 'FJMN is related to LPST'
For, 'ADEL is related to GJKR'
Similarly, for 'DMJN'
So, 'DMJN' will be related to 'JSPT'
Hence, the correct answer is "Option 2".

Q11. Answer: (c) 54

The logic followed here is:
Logic: (1st number × 4) + 2 = 2nd number.
Now,
For, 12 is related to 50
=> (12 × 4) + 2
=> 48 + 2 = 50.
For, 19 is related to 78
=> (19 × 4) + 2
=> 76 + 2 = 78.
Similarly, for 13 is related to
=> (13 × 4) + 2
=> 52 + 2 = 54.
Hence, the correct answer is "Option 3".

Q12. Answer: (c) RWXT

The logic followed here is:
For, 'SXYU is related to TYZV'
For, 'GLMI is related to HMNJ'
Similarly, for 'QVWS'
So, 'QVWS' will be related to 'RWXT'
Hence, the correct answer is "Option 3".

Q13. Answer: (d) KMV

The logic followed here is:
Option 1) TVD
Option 2) FHP
Option 3) LNV
Option 4) KMV

YourMockTest.com — Free Study Material

Here, 'KMV' is odd among the given options.
Hence, the correct answer is "Option 4".

Q14. Answer: (b) HLE

The logic followed here is:

So, 'HLE' will replace the question mark in the given series.
Hence, the correct answer is "Option 2".

Q15. Answer: (b) 20

The logic followed here is:
So, '20' will replace the question mark in the given series.
Hence, the correct answer is "Option 2".

Q16. Answer: (b) 80 : 13

The logic followed here is:
Logic: (2nd number × 5) + 5 = 1st number.
Now, checking the options:
Option 1) 55 : 10 → (10 × 5) + 5 → 50 + 5 = 55.
Option 2) 80 : 13 → (13 × 5) + 5 → 65 + 5 = 70 ≠ 80.
Option 3) 20 : 3 → (3 × 5) + 5 → 15 + 5 = 20.
Option 4) 95 : 18 → (18 × 5) + 5 → 90 + 5 = 95.
So, '80 : 13' odd among the given options.
Hence, the correct answer is "Option 2".

Q17. Answer: (b) [figure]

The correct mirror image of the given figure is:
Hence, the correct answer is "Option 2".

Q18. Answer: (d) 7

The logic followed here is:
‘CHAP' is coded as '9756'
'PACE' is coded as '5963’,
Here, 'CAP' is common in both the statement, so the remaining number is the code for the remaining letter.
So, 'H' will be coded as '7'.
Hence, the correct answer is "Option 4".

Q19. Answer: (d) Thursday

Given: 5 May 1911 was Friday.
Now,
1911 to 1919 = 8 Years (6 Ordinary Year and 2 Leap Year).
And, In 8 Years = 2 Leap years and 6 Ordinary Year.
So, 2 Leap Year has 4 odd days,
And, 6 Ordinary Year has 6 odd days.
Total odd days = 4 + 6 = 10.
10 odd days → 10/7 = 1 week and 3 odd days.
then, 5 May 1919 will be Friday + 3 = Monday.
Now, the number of days between 5 May 1911 to 11 September 1919
= 26(May) + 30(June) + 31(July) + 31(August) + 11(September) = 129 days.
= 129 days → 129/7 = 18 week and 3 odd day.
So, 11 September 1919 will be Monday + 3 = Thursday.
Hence, the correct answer is "Option 4".

YourMockTest.com — Free Study Material

Q20. Answer: (d) 9

The triangles are:

So, there are '9' triangles in the given figure.

Hence, the correct answer is "Option 4".

Q21. Answer: (c) 73

Given equation: 13 C 27 A 3 B 8 D 12 = ?

Decoding the given information :

Symbol	A	B	C	D
Means	÷	×	•	•

Now, replacing the sign from left to right and using BODMAS rule, we get :

New equation : 13 + 27 ÷ 3 × 8 - 12 = ?

Calculation :

=> 13 + 27 ÷ 3 × 8 - 12 = ?

=> 13 + 9 × 8 - 12 = ?

=> 13 + 72 - 12 = ?

=> 85 - 12 = 73.

Hence, the correct answer is "Option 3".

Q22. Answer: (d) Neither conclusion (I) nor (II) is true.

Given Statements:

All magnets are poles.

All poles are telescopes.

Some telescopes are computers.

The least possible Venn diagram for the given statement is:

Conclusions:

I. All telescopes are magnets - False (Because, All magnets are poles and All poles are telescopes gives some telescopes are magnets, but All telescopes are magnets can be possible only).

II. Some poles are computers - False (Because, No definite relation given between poles and computers, so it can be possible only).

So, Both conclusions (I) and (II) do not follow.

Hence, the correct answer is "Option 4".

Q23. Answer: (a) Friday

Given: The day after tomorrow = Monday.

It means,

The day after tomorrow = Monday.

Tomorrow = Monday - 1 = Sunday.

Today i= Monday - 2 = Saturday.

Now,

Now, 50 days ago from today.

As, we know 7 days = 1 week.

So, 50 days = 50/7 = 7 week and 1 odd days.

Then,

50 days ago from today will be Saturday - 1 = Friday.

Hence, the correct answer is "Option 1".

Mistake Points50 days ago from today represents the Past from today, so subtract the odd days from today.

Q24. Answer: (c) 86 - 36 - 100

The logic followed here is:

Logic: (1st number - 2nd number) × 2 = 3rd number.

Now,

YourMockTest.com — Free Study Material

For, 56 - 26 - 60

=> (56 - 26) × 2

=> 30 × 2 = 60.

For, 19 - 8 - 22

=> (19 - 8) × 2

=> 11 × 2 = 22.

Similarly, for 86 - 36 - 100

=> (86 - 36) × 2

=> 50 × 2 = 100.

Hence, the correct answer is "Option 3".

Q25. Answer: (a) 114

BODMAS Table:

Given equation: 9 ÷ 576 × 24 + 109 - 7 = ?

Now, if '+' and '-' and '×' and '÷' are interchanged, then:

=> 9 × 576 ÷ 24 - 109 + 7 = ?

=> 9 × 24 - 109 + 7 = ?

=> 216 - 109 + 7 = ?

=> 223 - 109 = 114.

Hence, the correct answer is "Option 1".

Q26. Answer: (a) Polio

The correct answer is Polio.

Key Points

• Polio is a potential contender for worldwide eradication because it is a vaccine-preventable disease and there are effective vaccines available.

• The World Health Organization (WHO) has been leading the global effort to eradicate polio since 1988, and significant progress has been made in reducing the number of cases worldwide.

• Tuberculosis, measles, and malaria are not currently considered potential contenders for worldwide eradication because they are more difficult to control and eliminate due to various factors such as drug resistance, lack of effective vaccines, and complex transmission patterns.

• However, efforts are still being made to reduce the burden of these diseases through various strategies such as improved diagnostics, treatment, and prevention measures.

Additional Information

• Tuberculosis is a bacterial infection that primarily affects the lungs but can also affect other parts of the body.

• It is a major cause of illness and death worldwide.

• Measles is a highly contagious viral infection.

• It can cause serious complications such as pneumonia, brain damage, and death, and it is still a major cause of death among young children in many parts of the world.

• Malaria is a parasitic infection that is transmitted by mosquitoes, and it can cause fever, chills, and flu-like symptoms, and in severe cases, it can lead to organ failure and death.

• It is a major public health problem in many tropical and subtropical regions of the world.

Q27. Answer: (d) 8

The correct answer is 8.

Key Points

• India won a total of 8 Gold medals in the Olympics between 1928 and 1980.

• India won its first Gold medal in 1928 in Amsterdam in Men's Field Hockey.

• India won another 7 Gold medals in Men's Field Hockey in 1932, 1936, 1948, 1952, 1956, and 1964,1980

• 1928 Amsterdam: Gold medal

1932 Los Angeles: Gold medal

1936 Berlin: Gold medal

1948 London: Gold medal

1952 Helsinki: Gold medal

YourMockTest.com — Free Study Material

1956 Melbourne: Gold medal

1964 Tokyo: Gold medal

1980 Moscow: Gold medal

Additional Information

• Tokyo, Japan hosted the 2020 Summer Olympics, an international multisport competition, from July 23 to August 8, 2021.

• Since India's first official Olympics participation in 1920, the 2020 Summer Olympics have been the most successful for the country, with seven medals won by Indian athletes (one gold, two silver, and four bronze).

• The upcoming international multi-sport event known as the 2024 Summer Olympics is slated to occur in France from July 26 to August 11, 2024, with Paris serving as the primary host city.

• At the 131st IOC Session in Lima, Peru, on September 13, 2017, Paris was granted the Games.

Q28. Answer: (d) Money is easy to store.

The correct answer is Money is easy to store.

Key Points

• Money can be differentiated from other physical assets that can perform the function of store of value due to the following reasons:

• Easy to store:

• Money can be stored in a variety of forms, including cash, bank deposits, or digital wallets.

• It does not require any specialized storage or maintenance.

• Other physical assets like real estate or art may require specialized storage facilities and maintenance.

Additional Information

• Liquidity:

• Money is highly liquid and can be easily converted into cash without any loss in its value.

• Other physical assets like real estate or gold may have a high store of value but may not be easily convertible into cash.

• Common acceptability:

• Money is universally accepted and recognized as a medium of exchange.

• It is accepted by all parties in a transaction, making it easier to conduct trade and commerce.

• Other physical assets may not have the same level of acceptance.

• Neutral:

• Money is neutral and does not carry any emotional or personal attachment.

• It is a standardized form of currency that is free from any personal biases or opinions.

• Other physical assets may have sentimental value attached to them.

Q29. Answer: (c) Lord Macaulay

The correct answer is Lord Macaulay.

Key Points

• Lord Macaulay was the one who incorporated English as the official language of India for higher education in the resolution formulation.

• He was the President of the Committee of Public Instruction, which was responsible for the formulation of the resolution.

• The resolution was passed in 1835 and it aimed to introduce English education in India.

• Lord Macaulay believed that the introduction of English education would create a class of Indians who would be "Indian in blood and colour, but English in taste, in opinions, in morals, and in intellect.

• The resolution had far-reaching consequences and played a significant role in shaping modern India.

Additional Information

• Lord Hastings was the Governor-General of India from 1813 to 1823.

• He is known for his policies of territorial expansion and consolidation.

• Lord Wellesley was the Governor-General of India from 1798 to 1805.

• He is known for his policies of territorial expansion and the Subsidiary Alliance system.

• Lord Dalhousie was the Governor-General of India from 1848 to 1856.

• He is known for his policies of modernization and administrative reforms, including the introduction of railways and telegraph lines.

YourMockTest.com — Free Study Material

Q30. Answer: (c) Harisena

The correct answer is Harisena.

Key Points

• The correct author of the book "Vrihat Katha Kosha" is Harisena.

• Harisena was a Sanskrit scholar and poet who lived in the 4th century CE.

• "Vrihat Katha Kosha" is a collection of ancient Indian folk tales and legends.

Additional Information

• Harisena was a court poet of King Samudragupta of the Gupta dynasty.

• Laxmidhar was a 19th-century Bengali author who wrote a book with a similar name "Katha Kosha".

• Laxmidhar's "Katha Kosha" is also a collection of ancient Indian stories.

• Rajashekhar was a 10th-century Sanskrit poet and dramatist who is known for his plays and poems.

Q31. Answer: (b) They are the last to be consumed.

The correct answer is They are the last to be consumed.

Key Points

• They are meant for final use.

• This is a correct reason why final goods are called so.

• Final goods are produced for direct consumption or use by the end-users.

• They are the last to be consumed.

• This is an incorrect reason why final goods are called so.

• The order of consumption does not determine whether a good is final or not.

• They will not pass through any more stages of production.

• This is a correct reason why final goods are called so.

• Final goods are ready for use or sale and do not require any further processing or transformation.

• They are not processed or transformed further.

• This is a correct reason why final goods are called so.

• Final goods are the end products of the production process and do not require any further processing or transformation.

Additional Information

• Final goods are also known as consumer goods as they are meant for direct consumption by the end-users.

• They are the end products of the production process and are ready for use or sale in the market.

• Final goods are different from intermediate goods, which are used as raw materials or components in the production of final goods.

Q32. Answer: (a) Chennai

The correct answer is Chennai.

Key Points

• Chennai is known as the "Detroit of India" because it is home to a large number of automobile manufacturing companies.

• Some of the major automobile companies in Chennai include Hyundai, Ford, BMW, and Renault-Nissan.

• Chennai's automotive industry is one of the largest in India and has been growing rapidly over the past few decades.

Additional Information

• Mumbai is also known as the financial capital of India.

• It is home to several major industries such as finance, entertainment, and textiles.

• Bengaluru is also known as the "Silicon Valley of India,".

• It is known for its technology industry and is home to several major tech companies such as Infosys, Wipro, and Dell.

• Pune is located in the western state of Maharashtra.

• It is known for its manufacturing industry and is home to several automobile companies such as Tata Motors and Mahindra.

Q33. Answer: (b) 2022

The correct answer is 2022.

Key Points

• RBI introduced the regulatory framework for microfinance loans in February 2022.

• This framework aims to promote responsible lending practices and protect the interests of borrowers.

• The framework includes guidelines on interest rates, loan disbursement, repayment, and grievance redressal mechanisms.

Additional Information

• RBI stands for Reserve Bank of India and is the central bank of India.

• The Indian government's Ministry of Finance is the owner of it.

• It is in charge of managing the Indian rupee's supply, issuing it, and keeping it in circulation.

• Microfinance loans are small loans given to individuals or groups who do not have access to traditional banking services.

Q34. Answer: (c) Rohit Dahiya

The correct answer is Rohit Dahiya.

Key Points

• The bronze medal at the World Under-20 Wrestling Championship 2022, held at Sofia, Bulgaria, was won by Rohit Dahiya.

• Rohit Dahiya is a young Indian wrestler who has been making a name for himself in the sport.

• He has won several medals at the national and international levels.

• The World Under-20 Wrestling Championship is an annual event organized by the United World Wrestling (UWW) for wrestlers under the age of 20.

• It is one of the most prestigious events in the sport of wrestling.

Additional Information

• Indian freestyle wrestler Bajrang Punia competes in the 65-kg weight class.

• Punia defeated Daulet Niyazbekov of Kazakhstan 8–0 to win a bronze medal at the 2020 Tokyo Olympics.

• The only wrestler from India to win four medals at the World Wrestling Championships is Punia.

Q35. Answer: (b) United States of America

The correct answer is United States of America.

Key Points

• The Indian Constitution was heavily influenced by the Constitution of the United States of America.

• The post of Vice-President in India is similar to the post in the US, where the Vice-President is the second-in-command to the President.

• The Vice-President in India is also the ex-officio Chairman of the Rajya Sabha, the upper house of the Indian Parliament.

• The post of Vice-President was included in the Indian Constitution to ensure continuity and stability in the event of the President's absence or death.

Additional Information

• France:

• The French Constitution does not have a post of Vice-President.

• The French government has a Prime Minister who is the head of government and a President who is the head of state.

• Ireland:

• The Irish Constitution has a post of Vice-President, but it is known as the "Tnaiste" and is appointed by the Prime Minister.

• The Tnaiste is not the ex-officio Chairman of any house of parliament.

• Japan:

• The Japanese Constitution does not have a post of Vice-President.

• The Japanese government has a Prime Minister who is the head of government and an Emperor who is the ceremonial head of state.

Q36. Answer: (c) Satwiksairaj Rankireddy and Chirag Shetty

The correct answer is Satwiksairaj Rankireddy and Chirag Shetty.

Key Points

• Satwiksairaj Rankireddy and Chirag Shetty won the gold medal in Badminton in the Commonwealth Games - 2022 held in August 2022.

• Satwiksairaj Rankireddy and Chirag Shetty are a doubles pair who have been playing together since 2016 and have won several international tournaments.

Additional Information

• Asian badminton player Chirag Shetty comes from India.

• The only men's doubles team from India to win the BWF World Tour 1000 series is he and his partner Satwiksairaj Rankireddy.

• They are also the first Indians to win a gold medal in badminton at the Asian Games and to be rated inside the top 10 of the BWF World Ranking, with a career-high ranking of 1.

• Lakshya Sen is an Indian player in badminton.

YourMockTest.com — Free Study Material

• Sen was a member of the Indian squad that took home the Thomas Cup in 2022.

• In the 2022 Commonwealth Games, he also took home the gold medal.

• An Indian player of badminton is called Srikanth Kidambi.

• Kidambi, a former world champion, received the Arjuna award in 2015 as well as the Padma Shri, India's fourth-highest civilian honor, in 2018.

Q37. Answer: (b) Aw

The correct answer is Aw.

Key Points

• Aw represents a tropical climate with a dry winter season found in large parts of peninsular India south of the Tropic of Cancer.

• Climates are classified according to Köppen's five primary groups, with seasonal precipitation and temperature patterns serving as the basis for group divisions.

• A stands for tropical, B for desert, C for temperate, D for continental, and E for polar.

Additional Information

• BWk represents an arid climate with cold winters and hot summers, found in regions with low precipitation and high evaporation rates.

• CWh represents a subtropical climate with dry winters and hot summers, found in regions with mild to moderate rainfall and high humidity.

• Dw represents a severe continental climate with dry winters and hot summers, found in regions with low precipitation and large temperature fluctuations between seasons.

Q38. Answer: (d) Rs. 1,000

The correct answer is Rs. 1,000.

Key Points

• The 'Pudhumai Penn' programme was introduced by Chief Minister MK Stalin in 2022.

• The program is aimed at promoting higher education among female students in government schools from classes 6 through 12.

• Under the program, all female students will receive 1,000 each month to pursue higher education.

• This initiative is expected to encourage more girls to continue their education and reduce the gender gap in education in Tamil Nadu.

Additional Information

• M.K. Stalin, the chief minister of Tamil Nadu, introduced phase two of the "Pudumai Penn" program.

• Following the second phase of the program's inauguration, the chief minister stated that 1.16 lakh students had benefited from the scholarship program to date, at an expense of Rs. 69.44 crore.

• According to Mr. Stalin, the scholarship was awarded in Moovalur Ramamirtham Ammaiyar's honor since, over a century ago, she and Thanthai Periyar started a revolution for the advancement of girl children by providing them with educational opportunities.

• In comparison to the previous year, he noted that the introduction of this program has contributed to a more than 27% increase in the number of female students enrolled in higher education.

Q39. Answer: (c) Kandyan dance

The correct answer is the Kandyan dance.

Key Points

• Kandyan dance is a traditional dance form of Sri Lanka that originated in the Kandy region.

• It is also known as Udarata Natum and is performed in traditional Sinhalese music.

• The dance involves complex footwork, acrobatic movements, and intricate hand gestures.

• The performers wear colorful costumes and elaborate headdresses.

Additional Information

• Bihu is a folk dance form of Assam that is performed during the Bihu festival.

• It signals the start of the harvest season and the approach of spring.

• By celebrating the event, people express their gratitude to the gods for a bountiful harvest and ask for their blessings for the following year.

• Kathak is a classical dance form that originated in North India and is known for its intricate footwork and expressive gestures.

• It is the classical dance form from Uttar Pradesh.

• The tradition holds that the storytellers, or Kathakars, who traveled throughout ancient northern India, are the source of Kathak.

• Bharatanatyam is a classical dance form of South India that is known for its grace, precision, and storytelling.

• It involves intricate footwork, hand gestures, and facial expressions.

Q40. Answer: (a) MS Subbulakshmi

The correct answer is MS Subbulakshmi.

Key Points

• MS Subbulakshmi is known as the "Queen of Carnatic Music".

• MS Subbulakshmi was a renowned Indian classical singer who was born in Madurai, Tamil Nadu in 1916 and passed away in 2004.

• She was the first musician to be awarded the Bharat Ratna, India's highest civilian award, in 1998.

• MS Subbulakshmi was known for her mellifluous voice and her contribution to Carnatic music.

Additional Information

• Kavita Krishnamoorti is a Bollywood playback singer.

• She has won four consecutive Filmfare Best Female Playback Singer Awards from 1995 to 1997.

• In addition, she was awarded the Padmashri in 2005.

• Lata Mangeshkar is also a Bollywood playback singer.

• Over the course of an eight-decade career, her contributions to the Indian music industry have earned her honorific titles like "Queen of Melody," "Nightingale of India," and "Voice of the Millennium."

Q41. Answer: (d) Changes abruptly from solid to liquid when heated

The correct answer is Changes abruptly from solid to liquid when heated.

Key Points

• Crystalline solids have a highly ordered and repeating atomic arrangement, which gives them their characteristic geometric shapes.

• They have a precise melting point, which is the temperature at which the ordered atomic arrangement breaks down and the solid transitions to a liquid state.

• The 3-dimensional layout of a crystalline solid is highly regular and symmetrical, with atoms or molecules arranged in a repeating pattern.

• When heated, a crystalline solid undergoes an abrupt phase transition from solid to liquid, without passing through an intermediate liquid crystal phase.

Additional Information

• Crystalline solids are resistant to geometric deformation due to their highly ordered atomic arrangement.

• Crystalline solids have a precise melting point, which is a characteristic feature of their structure.

• The layout of a crystalline solid is highly regular and symmetrical, with no unevenness in the arrangement of atoms or molecules.

• The key term 'crystalline solid' refers to a type of solid material with a highly ordered atomic structure, which gives it unique physical and chemical properties.

Q42. Answer: (b) 3.6 × 1024

The correct answer is 3.6 × 1024.

Key Points

• CH_3OH is the chemical formula for methanol, which is a colorless liquid with a mild odor.

• One mole of any substance contains 6.02×10^{23} particles, which is known as Avogadro's number.

• In CH_3OH, there are 6 atoms in one molecule: 1 carbon, 4 hydrogen, and 1 oxygen.

• To calculate the number of atoms in one mole of CH_3OH, we multiply Avogadro's number by the number of atoms in one molecule, which is 6.

• Hence, the correct answer is $6.02 \times 10^{23} \times 6 = 3.6 \times 10^{(24)}$ atoms in one mole of CH_3OH.

Additional Information

• Usually, the Avogadro constant is represented by NA or L.

• The quantity of substance in a sample, which is calculated by dividing the number of constituent particles by NA, uses it as a normalizing factor.

• Depending on the substance and the type of reaction, the units could be molecules, atoms, ions, or electrons.

Q43. Answer: (c) Gujarat

The correct answer is Gujarat.

Key Points

• Rann Utsav is a cultural festival that takes place in the Rann of Kutch, a vast salt desert in Gujarat.

YourMockTest.com — Free Study Material

• It usually happens between November and February and lasts for several days.

• The festival showcases the rich heritage and traditions of Gujarat, with a focus on local art, music, dance, and cuisine.

• Visitors can enjoy various activities such as camel rides, folk performances, handicrafts shopping, and stargazing.

• Rann Utsav is organized by the Gujarat Tourism Department and attracts a large number of domestic and international tourists every year.

• It is considered one of the biggest cultural events in India and helps promote tourism and the local economy.

• Some of the popular attractions during Rann Utsav include the Tent City, a temporary settlement of luxury tents and cottages, the White Desert, a mesmerizing landscape of salt crystals and mirages, and the Kala Dungar, the highest point in Kutch offering panoramic views of the region.

Additional Information

• Goa is a state in southwest India known for its beaches, nightlife, and Portuguese colonial architecture.

• It hosts several festivals throughout the year, such as the Goa Carnival, the International Film Festival of India, and the Sunburn Music Festival.

• Punjab is a state in northern India known for its agriculture, cuisine, and religious diversity.

• It celebrates several festivals related to Sikhism, such as the Guru Nanak Jayanti, the Baisakhi, and the Holla Mohalla.

• Haryana is a state in northern India known for its historical and cultural significance.

• It hosts several fairs and festivals, such as the Surajkund Crafts Mela, the Pinjore Heritage Festival, and the Gita Jayanti.

Q44. Answer: (d) How should the goods be exchanged?

The correct answer is How should the goods be exchanged?

Key Points

• "How should the goods be exchanged?" This is not one of the basic questions every society needs to answer because it is a sub-question of the distribution question.

• The other options are all basic questions that every society needs to answer in order to function properly.

• "How should goods be produced?" refers to the methods and technologies used to create goods and services.

• "What goods and services to produce?" refers to the decisions made about what products and services are necessary for society and how to allocate resources to produce them.

• "How should the goods be distributed?" refers to how the products and services are divided and allocated among the members of the society.

Additional Information

• The main keyword mentioned is "basic questions."

• These are fundamental questions that every society needs to answer in order to survive and thrive.

• The basic questions of economics are often referred to as the "Four Fundamental Questions of Economics."

• These questions are: What to produce? How to produce? For whom to produce? and How to distribute the goods and services.

Q45. Answer: (d) The Constitution does not provide for their direct enforcement.

The correct answer is The Constitution does not provide for their direct enforcement.

Key Points

• Fundamental duties are a set of moral obligations that are mentioned in the Indian Constitution, which every citizen is expected to follow.

• These duties are not directly enforceable by law, but they serve as a reminder to citizens to be responsible and patriotic towards their country.

• Reasonable restrictions can be imposed on these duties if they clash with other fundamental rights or public interests.

• None of these duties are available to legal expertise or foreigners, they are only applicable to Indian citizens.

• The concept of fundamental duties was added to the Indian Constitution through the 42nd Amendment in 1976.

Additional Information

• List of 11 fundamental duties:

• Respect the national flag and anthem, and abide by the constitution.

• Adhere to the freedom struggle's ideals.

• Preserve India's integrity and sovereignty.

• When called upon, defend the nation and perform national duties.

• Fostering a sense of shared fraternity.

• Preserve the nation's diverse culture.

• Keep the surroundings natural.

• Develop a kind and scientific temperament.
• Keep public property safe and abstain from violence.
• Aim for greatness in every aspect of your life.
• It is the responsibility of all parents and guardians to send their children, aged 6 to 14, to school.

Q46. Answer: (c) Fees and Fines collected is a non-tax receipt

The correct answer is Fees and Fines collected is a non-tax receipts.

Key Points

• Fees and fines collected are considered non-tax receipts because they are not imposed as a result of any legislative power or authority.
• The government's recurring income from sources other than taxes is known as non-tax revenue.
• These are the taxes collected that do not originate from levies on the general populace.
• Payments received that do not give rise to liabilities or a claim against the government are known as revenue receipts.

Additional Information

• Income tax is a tax levied on the income earned by an individual or entity.
• It is a direct tax as it is levied on the income of the taxpayer.
• Goods and Services Tax (GST) is a tax imposed on the supply of goods and services.
• It is an indirect tax as it is not levied directly on the income of the taxpayer.
• Borrowings from the public are a form of external debt.
• The government borrows from the public to finance its developmental activities.
• It is a capital receipt as it does not generate regular income for the government.

Q47. Answer: (a) Smita Vadnerkar

The correct answer is Smita Vadnerkar.

Key Points

• The One Dance UK Lifetime Achievement Award 2021 in South Asian Dance was given to Smita Vadnerkar.
• Smita Vadnerkar is a renowned Kathak dancer and teacher based in the UK who has been promoting Indian classical dance forms for over three decades.
• She is the founder and artistic director of Smita Vadnerkar Dance Company and has been actively involved in training and mentoring young dancers.
• She has also choreographed several productions, collaborated with other artists and organizations, and represented the UK in international dance festivals.

Additional Information

• Maggie Morris was a British artist, teacher, dancer, and choreographer.
• In addition to founding two Scottish National Ballets in Glasgow (1947) and Pitlochry (1960), she also developed the Margaret Morris Movement and Celtic Ballet.
• Kamara is the founder and artistic director of Artistry Youth Dance, a dynamic youth dance group that honors and presents aspiring dancers between the ages of 12 and 19 who are of African and Caribbean heritage.

Q48. Answer: (a) Tippani

The correct answer is Tippani.

Key Points

• Tippani is a folk dance from the state of Gujarat.
• It involves a group of women dancing in a circle and clapping their hands in rhythm.
• Gujarat is known for its rich cultural heritage and is home to a variety of folk dances such as Garba, Dandiya, and Tippani.

Additional Information

• Phag is a popular folk dance in Haryana.
• This dance form is performed by the farmers in the month of Phalgun.
• Dhimsa is a folk dance from the state of Andhra Pradesh.
• It is a tribal dance form that is performed during various occasions such as weddings, festivals, and harvest season.
• Dhamal is a folk dance form in Haryana whose origin is rooted back to the days of the Mahabharat.
• The Dhamal dance is famous in the Gurgaon area,
• It is performed by both Hindus and Muslims and involves singing and dancing in a circle.

YourMockTest.com – Free Study Material

Q49. Answer: (c) Sharavati

The correct answer is Sharavati.

Key Points

• Jog Falls is located in the state of Karnataka, India, and is formed by the Sharavati River.

• The Sharavati River originates in the Western Ghats and flows towards the west coast of India before merging with the Arabian Sea.

• Jog Falls is also known as Gerosoppa Falls and is one of the most popular tourist destinations in Karnataka.

• The height of the falls is around 830 feet and it is divided into four distinct segments - Raja, Rani, Roarer, and Rocket.

• The waterfall is at its peak during the monsoon season, which is between June and September.

Additional Information

• Narmada is a river that flows through central India.

• It is known for its marble rocks and the Narmada Dam.

• Tungabhadra is a river that flows through the states of Karnataka and Andhra Pradesh.

• It is known for the Tungabhadra Dam and the Hampi World Heritage site.

• Cauvery is a river that flows through the states of Karnataka and Tamil Nadu.

• It is known for its delta region and the Cauvery Wildlife Sanctuary.

Q50. Answer: (b) Kerala

The correct answer is Kerala.

Key Points

• Narayan Guru was a social reformer, philosopher, and spiritual leader who lived from 1856 to 1928.

• He was born in Chempazhanthy, a village near Thiruvananthapuram in Kerala.

• Narayan Guru was a strong advocate for social equality and worked to end the caste system in India.

• He founded the Sree Narayana Dharma Paripalana (SNDP) Yogam, which was a social organization that aimed to uplift the Ezhava community and other marginalized groups in Kerala.

Additional Information

• Kerala's Ezhavas belong to the Bahujan caste.

• The Ezhava used to work as laborers in agriculture, small-scale farmers, toddy tappers, and liquor merchants.

• Some of them were also weavers, and some of them were Ayurvedic practitioners.

Q51. Answer: (a) 1/10

Given:

A bottle with 4 parts are water and 5 parts are fruit extract.

Water : fruit extract = 4 : 5

Calculation:

Ratio of water : fruit = 4: 5

Let x litres of this liquid be replaced with water.

As per the question,

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

=> x = 9/10

So, part of the mixture replaced = 9/10 × 1/9 = 1/10

Therefore The correct option is 1

Q52. Answer: (c) 140%

Important PointsThis question is from SSC CHSL official paper. In the SSC CHSL official paper, the graph exact value was not provided. Candidates are expected to approximate values from the graph to answer the corresponding question.

Calculation:

Without license chalan in Delhi is 1200

Total Without license chalan in Uttarakhand and Himachal Pradesh together is 300 + 200 = 500

The percentage is 700 / 500 × 100 = 140%

Therefore The correct option is 3

Q53. Answer: (b) 126°

Calculation:

As we know,

Value of 100 % = 360°

So value of 35% = 3.6 × 35

= 126°

Therefore The correct option is 2

Q54. Answer: (c) 25.2

Concept used:

If the four numbers a, b, c ,d are in proportion then we can say that

=> a × d = b × c

Calculation:

The fourth proportional will be,

=> 8.4 × 4.2 / 1.4 = 25.2

Therefore The correct option is 3

Q55. Answer: (b) 1

Concept used:

Sin (90° - θ) = Cosθ

Calculation:

Sin235° + Sin2 55°

=> Sin2 (90° - 55) + Sin2 55°

=> Cos² 55° + Sin2 55° = 1

Therefore The correct option is 2

Q56. Answer: (a) 40 metres

Given:

P completes the race in 120 seconds and Q in 125 seconds

Concept used:

Distance = speed × timeCDidd

Calculation:

Time difference is 125 - 120 = 5 secs

Q covers in 125 secs 1000 meters

He covers in 5 secs (1000 / 125) × 5 = 40 meters

Therefore The correct option is 1

Q57. Answer: (d) 6 √30

Shortcut Trick

Direct common tangent = 2 × √(r1 × r2) = 2 × √(15 × 18) = 6√30 cm

Therefore The correct answer is 6√30 cm.

Alternate Method

Formula used:

Direct common tangent = √ (distance between the two centers2 - (r1 - r2)2

Calculation:

Direct common tangent = D

The distance between the two centers is 18 +15 = 33cm

As per the formula,

D = √ (332 - (18 - 15)2.

=> √ (33² - 3²)

=> √(36 × 30)

=> 6√30

Therefore The correct option is 4

YourMockTest.com — Free Study Material

Q58. Answer: (c) Tan A

Calculation:

$((1+\tan^2 A))/(\text{cosec}^2 A \cdot \tan A)$

$\Rightarrow ((1+ (\sin^2 A/\cos^2 A)))/(1/\sin^2 A) \cdot (\sin A/\cos A)$

$\Rightarrow ((\cos^2 A+ \sin^2 A)/(\cos^2 A))/(1/\sin A \cdot \cos A)$

$\sin^2 A + \cos^2 A = 1$

$\Rightarrow ((1/\cos^2 A))/(1/\sin A \cdot \cos A)$

$\Rightarrow ((\sin A \cdot \cos A))/(\cos^2 A)$

$\Rightarrow \sin A / \cos A$

tan A is the correct answer.

Q59. Answer: (b) Loss, 10%

Given:

The marked price = Rs. 15,750, which is 50% above its cost price.

Discount = 40%.

Concept used:

The discount is calculated on market price while profit is calculated on cost price.

Calculation:

After discount, the selling price is 15750 × 60/100 = Rs 9450

The cost price of article is 15750 × 100/150 = 10500

The loss percentage is (10500 - 9450)/ 10500 × 100 = 10%

Therefore The correct option is 2

Q60. Answer: (b) 10/(3 √3)

Formula used:

$(a^3-1/(a^3)) = (a - 1/a)^3 + 3(a - 1/a)$

Calculation:

$a^2+1/(a^2)=7/3$

$\Rightarrow a^2 + 1/a^2 - 2 = 7/3 - 2$

$\Rightarrow (a - 1/a)^2 = 1/3$

$\Rightarrow (a - 1/a) = 1/\sqrt{3}$

$(a^3-1/(a^3)) = (a - 1/a)^3 + 3 (a - 1/a)$

$\Rightarrow 1/3\sqrt{3} + 3 / \sqrt{3}$

$\Rightarrow 1/3\sqrt{3} + \sqrt{3} = 10/(3 \sqrt{3})$

Therefore The correct option is 2

Q61. Answer: (d) 15 kg

Shortcut Trick

Ratio of Chicory to Coffee = (Mixture Price − Coffee Price) : (Chicory Price − Mixture Price)

Ratio = (60 − 45) : (100 − 60) = 15 : 40 = 3 : 8

Given, 8 units of Coffee = 40 kg => 1 unit = 5 kg

Quantity of Chicory = 3 units = 3 × 5 = 15 kg

Therefore The correct answer is 15 kg.

Alternate Method

Given:

Cost price of Chicory (C1) = Rs. 100/kg

Cost price of Coffee (C2) = Rs. 45/kg

Quantity of Coffee (Q2) = 40 kg

Mean price of the Mixture (M) = Rs. 60/kg

Formula Used:

Quantity of Cheaper / Quantity of Dearer = (CP of Dearer − Mean Price) / (Mean Price − CP of Cheaper)

Alternatively: Q1 / Q2 = (M − C2) / (C1 − M)

Calculations:

=> Q1 / 40 = (60 − 45) / (100 − 60)

=> Q1 / 40 = 15 / 40

=> Q1 = (15 ÷ 40) × 40

=> Q1 = 15 kg

Therefore The correct answer is 15 kg.

Additional Information

Rule of Alligation

It is a rule that enables us to find the ratio in which two or more ingredients at their respective prices must be mixed to produce a mixture of a specified price.

Weighted Average Formula

The mean price M can also be calculated as M = (n1x1 + n2x2) / (n1 + n2), where n represents quantity and x represents price.

Profit/Loss on Mixture

If a mixture is sold at a profit, first find the Cost Price of the mixture: CP = [100 / (100 + P%)] × SP, then apply the alligation rule.

Q62. Answer: (c) 10

Given:

In a triangle PQR, QR is produced to S.

If angle PRS = (9x - 15)°, angle RPQ = (2x)°, and angle PQR = (4x + 15)°,

Concept used:

angle PRS = angle RPQ + angle PQR

Calculation:

angle PRS = angle RPQ + angle PQR

=> (9x - 15)° = (4x + 15)° + 2x

=> 9x - 6x = 30°

=> x = 10°

Therefore The correct option is 3

Q63. Answer: (d) 21

Given:

a + b = 10, a2 + b2 = 58

Formula used:

$(a + b)^2 = a2 + b^2 + 2ab$

Calculation:

(a + b)2 = a2 + b2 + 2ab

=> $10^2 = 58 + 2ab$

=> ab = 42 / 2

=> ab = 21

Therefore The correct option is 4

Q64. Answer: (c) Rs. 216

Given:

Cost price = Rs. 153, gain = 20%, discount = 15%

Concept used:

The discount is calculated on market price while profit is calculated on cost price.

Formula used:

Marked price = cost price × (100 + Profit) / 100 - discount

Calculation:

Marked price = 153 × (100 + 20 / (100 - 15)

=> 153 × 120/85 = Rs. 216

Therefore The correct option is 3

YourMockTest.com — Free Study Material

Q65. Answer: (a) 1 : 3

Shortcut Trick

2 Cups + 4 Plates = 840 → 1 Cup + 2 Plates = 420.

Multiply by 3 => 3 Cups + 6 Plates = 1260.

Difference with (3 Cups + 5 Plates = 1080) => 1 Plate = 1260 − 1080 = 180.

Cost of 1 Cup = 420 − (2 × 180) = 420 − 360 = 60.

Ratio of Cup to Plate = 60 : 180 = 1 : 3.

Therefore The correct answer is 1 : 3.

Alternate Method

Given:

Cost of 3 cups and 5 plates = Rs. 1,080

Cost of 2 cups and 4 plates = Rs. 840

Formula Used:

Simultaneous Linear Equations: a1x + b1y = c1 and a2x + b2y = c2

3 Cups + 5 Plates

Rs. 1080

2 Cups + 4 Plates

Rs. 840

Ratio Required = Cost of Cup : Cost of Plate

Let the cost of one cup be C and the cost of one plate be P.

=> 3C + 5P = 1080 ... (i)

=> 2C + 4P = 840 ... (ii)

=> From (ii), C + 2P = 420 => C = 420 − 2P

=> Substitute C in (i): 3 × (420 − 2P) + 5P = 1080

=> 1260 − 6P + 5P = 1080

=> 1260 − P = 1080

=> P = 1260 − 1080 = 180

=> C = 420 − 2 × 180 = 420 − 360 = 60

=> Ratio C : P = 60 : 180

=> C : P = 1 : 3

Therefore The correct answer is 1 : 3.

Additional Information

Linear Equations in Two Variables

An equation of the form ax + by + c = 0 where a, b, and c are real numbers and a, b ≠ 0.

Ratio and Proportion

A ratio is a comparison of two quantities by division, denoted as a : b or a/b. It has no units if both quantities have the same unit.

Elimination Method

A method of solving simultaneous equations by making the coefficients of one variable equal to eliminate it by addition or subtraction.

Q66. Answer: (a) 8 √6 cm

Formula used:

Direct common tangent = √ (distance between the two centers2 - (r1 - r2)2

Calculation:

Direct common tangent = D

The distance between the two centers is 12 + 8 = 20 cm

As per the formula,

D = √ (202 - (12 - 8)2.

=> √ (202 - 42)

=> √(24 × 16)

=> 8√6

Therefore The correct option is 1

Q67. Answer: (b) 1-2 sin2 A

Concept used:

(Cos2A + sin2A) = 1

Calculation:

cos4 A - sin4 A

=> (Cos²A + sin²A)(Cos2A - sin2A)

=> (Cos2A - sin2A) × 1

=> (1 - sin2A - sin2A) = 1-2 sin2 A

Therefore The correct option is 2

Q68. Answer: (c) Rs. 10,400

Given:

Principal = Rs. 62,500, Time = 2 years, Rate of interest = 8% per annum compounded yearly.

Formula used:

In compound interest,

Amount = Principal × (1 + r / 100)n

Calculation:

As per the question,

Amount = 62500× (1 + 8/ 100)2.

=> 62500× (1 + 2/25)2.

=> 62500× (27/25)2.

=> 62500 × 729/625

=> 729 × 100

=> Rs. 72900

The interest will be 72900 - 62500 = Rs 10400

Therefore The correct option is 3

Q69. Answer: (a) ΔPQR ∼ ΔFED

Given:

In ΔPQR and ΔDEF, angle P = 52°, angle Q = 74°, angle R = 54°, angle D = 54°, angle E = 74° and angle F = 52°

Concept used:

If in two triangles, angles are equal with each other then they are similar

Calculation:

In ΔPQR and ΔDEF, angle P = angle F = 52°,, angle Q = angle E = 74°, and angle R =angle D = 54°.

So we can say that ΔPQR ~ ΔFED

Therefore The correct option is 1

Q70. Answer: (b) 297

Concept used:

If the four numbers a, b, c ,d are in proportion then we can say that

=> a × d = b × c

Calculation:

The fourth proportional will be,

=> 55 × 81 / 15 = 297

The correct option is 2

Q71. Answer: (a) Rs. 1,712

Shortcut Trick

Total area to paint = Area of 4 walls + Area of ceiling

Total area = 2 × h × (l + b) + (l × b)

Total area = 2 × 3 × (7 + 5) + (7 × 5) = 72 + 35 = 107 m²

Total Cost = 107 × 16 = Rs. 1,712

Therefore The correct answer is Rs. 1,712.

Alternate Method
Given:
Length (l) = 7 m, Breadth (b) = 5 m, Height (h) = 3 m
Rate of whitewashing = Rs. 16 per m^2
Formula Used:
Area of 4 walls (Lateral Surface Area) = 2h(l + b)
Area of ceiling = l × b
Calculations:
=> Area of 4 walls = 2 × 3 × (7 + 5) m^2
=> Area of 4 walls = 6 × 12 = 72 m^2
=> Area of ceiling = 7 × 5 = 35 m^2
=> Total area to be whitewashed = 72 + 35 = 107 m^2
=> Total Cost = Total Area × Rate per m^2
=> Total Cost = 107 × 16 = 1712
Therefore The correct answer is Rs. 1,712.
Additional Information
Total Surface Area of a Cuboid
Includes the area of all 6 rectangular faces: 2(lb + bh + hl).
Lateral Surface Area (Area of 4 walls)
Excludes the top (ceiling) and bottom (floor) faces: 2h(l + b).
Length of Longest Diagonal
The longest rod that can be placed inside a cuboidal room is its main diagonal: $\sqrt{(l^2 + b^2 + h^2)}$.

Q72. Answer: (d) 8,242

Given:
The simple interest = Rs. 11,220, rate of interest = 16 1/2 % per annum, time = 8 years and 3 months
Formula used:
Simple Interest (SI) = [Principal (P) × Rate of interest (R) × Time(T)] /100
Concept used:
Amount = Principal + Interest
Calculation:
8 years 3 months = 33/4 yr
Let the sum be P,
=> 11220= [P × 33 ×33]/(100 × 2 × 4)
=> P = 11220 × 100 × 2 × 4 / 33 ×33
= Rs 8,242
Therefore The correct option is 4

Q73. Answer: (d) 10 10/19 %

Given:
A tailor buys which is 5 cm longer than the normal tape.
The tailor offers is 5 cm shorter than the normal tape.
Formula used:
If he first buys a cm more and then sell a cm less then ultimate gain percentage is, 2a/(100-a) × 100
Calculation:
So the gain percentage will be,
=> (2×5)/(100-5) × 100
=> 2× 5/95 × 100
=> 200/19 = 10 10/19 %
Therefore The correct option is 4

YourMockTest.com — Free Study Material

Q74. Answer: (d) 172

Calculation:

Number of female employees in acounts department is 198 / 90 × 10 = 22

Number of female employees in R & D department is 100 / 40 × 60 = 150

Total number of females will be 150 + 22 = 172

Therefore The correct option is 4

Q75. Answer: (c) 62

Formula used:

(a + b)2 = a2 + b2 + 2ab

Calculation:

(y + 1/y)2 = y2 + 1/y2 + 2

=> 82 = y2 + 1/y2 + 2

=> y2 + 1/y2 = 64 - 2

= 62

Therefore The correct option is 3

Q76. Answer: (c) Odd

The solution is in Hindi. Read it online.

Q77. Answer: (b) While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutu...

The solution is in Hindi. Read it online.

Q78. Answer: (b) Extravagance

The solution is in Hindi. Read it online.

Q79. Answer: (b) The balls have been thrown by Moti.

The correct answer is: The balls have been thrown by Moti.

Key Points

• In an active voice sentence, the subject performs the action on the object.

• Active Structure: Subject + Verb + Object

• Example: The chef has cooked a delicious meal.

• In a passive voice sentence, the focus is on the object or the receiver of the action.

• Passive Structure: Object + (Auxiliary Verb) + Verb (past participle) + (by + Agent)

• Example: A delicious meal has been cooked by the chef.

• So, for the given sentence "the balls" becomes the new subject.

• "has been" is used as the auxiliary verb because the original sentence is in the present perfect tense.

• The past participle of "thrown" is "thrown." Therefore, "have been thrown" is used as the passive voice verb.

• "by Moti" is included to mention who performed the action.

Hence, the correct answer is option 2.

Q80. Answer: (b) the storm knocked out the power

The solution is in Hindi. Read it online.

Q81. Answer: (d) To end in smoke

The solution is in Hindi. Read it online.

Q82. Answer: (d) Be all ears

The solution is in Hindi. Read it online.

Q83. Answer: (b) Although the book was difficult to read, I persisted and eventually understood the complex ideas.

The solution is in Hindi. Read it online.

Q84. Answer: (d) hostile

The solution is in Hindi. Read it online.

YourMockTest.com — Free Study Material

Q85. Answer: (a) Some urgent help was needed by his brother at that moment.

The correct answer is: Some urgent help was needed by his brother at that moment.

Key Points

• In the active voice, the subject performs the action.

• In this case, "His brother" is the subject, and "needed" is the action.

• Active structure: Subject + Verb + Object

• Example: The chef prepared a delicious meal for the guests.

• In the passive voice, the focus shifts from the doer of the action to the receiver of the action.

• Passive structure: Object (Receiver of the action) + to be verb + Past participle of the verb + Subject (Agent)

• Example: A delicious meal was prepared for the guests by the chef.

• Here, for the given sentence "Some urgent help" becomes the subject, and the verb is expressed in the past participle form, which is "was needed."

• The agent (the doer of the action) is introduced with "by his brother."

Therefore, the correct answer is option 1.

Q86. Answer: (b) you speak fluently

The correct answer is: you speak fluently

Key Points

• "You speak fluently" is a more concise and direct way of expressing the same idea.

• It eliminates the need for the preposition "in" and the auxiliary verb "are," making the sentence more straightforward.

• Revised Sentence: Could you please tell me which languages you speak fluently?

• The substitution "you speak fluently" maintains a focus on the ability to speak languages, which is the primary aspect when discussing language proficiency.

Therefore, the correct answer is option 2.

Q87. Answer: (c) Monk

The solution is in Hindi. Read it online.

Q88. Answer: (a) Disarrange

The solution is in Hindi. Read it online.

Q89. Answer: (c) D, B, E, A, C

The correct answer is: D, B, E, A, C

Key Points

• Part D: The sentence starts with introducing Nishit and his action, setting the context for what follows.

• Part B: The next logical step is to provide information about what Nishit is thinking about. In this case, it's the terrible traffic.

• Part E: Following his thoughts about the traffic, the sentence continues to explain what Nishit is considering or planning. In this case, he is thinking about what he will surely do.

• Part A: The sentence then explains the action or situation Nishit is contemplating. In this case, it is dealing with something, which is revealed in the next part.

• Part C: Finally, the sentence concludes by providing the context of when and where Nishit will have to deal with the terrible traffic.

• So, the correct sequence forms a meaningful and coherent sentence: "Nishit begins thinking about the terrible traffic he will surely have to deal with on his way to work."

Therefore, the correct answer is option 3.

Q90. Answer: (d) were already sold

The correct answer is: were already sold

Key Points

• The original sentence contains a subject-verb agreement error.

• "Coconuts" is a plural noun, so the correct verb form should be "were" instead of "was" to maintain agreement.

• Corrected Sentence: When I reached the market place, the coconuts were already sold.

• The correction ensures proper subject-verb agreement by using "were," which matches the plural noun "coconuts."

• The correction improves the sentence by addressing the subject-verb agreement issue and using the appropriate verb form, resulting in a grammatically correct and coherent statement.

Therefore, the correct answer is option 4.

Q91. Answer: (c) Disobliging

The solution is in Hindi. Read it online.

Q92. Answer: (d) Peaceful

The solution is in Hindi. Read it online.

Q93. Answer: (b) The young pirate is cleverer than the captain of the ship.

The correct answer is: The young pirate is cleverer than the captain of the ship.

Key Points

• The original sentence includes a redundancy error.

• The word "more" is not needed before "cleverer" because "cleverer" itself already indicates a comparative degree.

• Therefore, the correct form should be "cleverer than," making "more" redundant in this context.

• Corrected Sentence: The young pirate is cleverer than the captain of the ship.

• The corrected version removes the redundancy, resulting in a grammatically sound and clear sentence.

Therefore, the correct answer is option 2.

Q94. Answer: (a) In course by time,

The correct answer is: In course by time,

Key Points

• The phrase "In course by time" is not a standard or grammatically correct expression.

• The correct and more idiomatic expression is "In course of time".

• This phrase is a more established and grammatically correct way of expressing the idea of something happening over a period of time or gradually.

• It implies a natural progression or evolution of events.

• Corrected sentence: In course of time, he was wise enough to realise the mistakes of his past life.

• Here, "In course of time" conveys the idea that, gradually, the person became wise enough to realize the mistakes of his past life.

Therefore, the correct answer is option 1.

Q95. Answer: (c) Numismatics

The solution is in Hindi. Read it online.

Q96. Answer: (b) agree

The solution is in Hindi. Read it online.

Q97. Answer: (a) what

The correct answer is: what

Key Points

• 'What' is used is used to ask about a specific piece of information.

• 'What' is also used as a determiner.

• Example:

• What is your favourite colour?

• I don't know what movie to watch.

• In the given context, the use of "what" ensures logical continuity in the sentence, emphasizing the idea that the government both knows what actions to take and has the authority to decide what is best.

Therefore, the correct answer is option 1.

Additional Information

• "When" is used to refer to a specific point in time or duration.

• "Where" is used to inquire about or specify a location or place.

• "How" is used to inquire about the manner or method of doing something, the condition or quality of something, or to express surprise or disbelief.

YourMockTest.com — Free Study Material

Q98. Answer: (a) peacefully

The solution is in Hindi. Read it online.

Q99. Answer: (a) speak

The solution is in Hindi. Read it online.

Q100. Answer: (d) probably

The solution is in Hindi. Read it online.

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

YourMockTest.com — Free Study Material