SSC CHSL Tier-1 2023: Official Paper (Held On: 04 Aug, 2023 Shift 4) (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-04-aug-2023-shift-4-…

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

YourMockTest.com — Free Study Material

ENGLISH LANGUAGE

Q1. What will come in place of the question mark (?) in the following equation if '+' and '×' are interchanged and '-' and '÷'are interchanged?

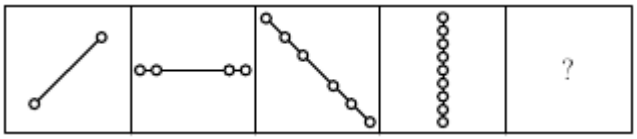
2 + 6 ÷ 8 - 4 × 14 = ?

(a) 19
(b) 15
(c) 12
(d) 24

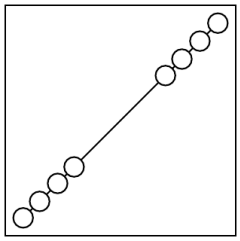
Q2. Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which of the following does NOT belong to that group?

(a) DEH
(b) ABD
(c) OPS
(d) HIL

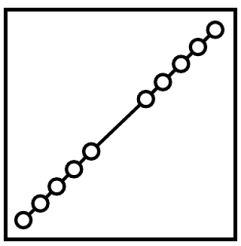
Q3. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



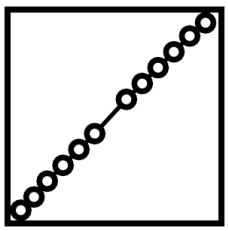
(a)



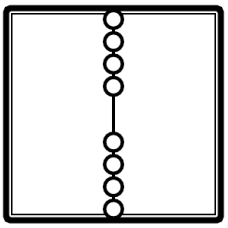
(b)



(c)



(d)



Q4. Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

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/deleting /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)

(a) 9 - 44 - 218
(b) 6 - 31 - 156
(c) 13 - 66 - 331
(d) 16 - 81 - 406

Q5. 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:

Some books are horses.

All horses are animals.

Some animals are oceans.

Conclusion (I): Some horses are oceans.

Conclusion (II): Some animals are books.

(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.

Q6. 35 is related to 48 following a certain logic. Following the same logic, 80 is related to 99. To which of the following is 143 related, following the same logic?

(a) 175
(b) 165
(c) 178
(d) 168

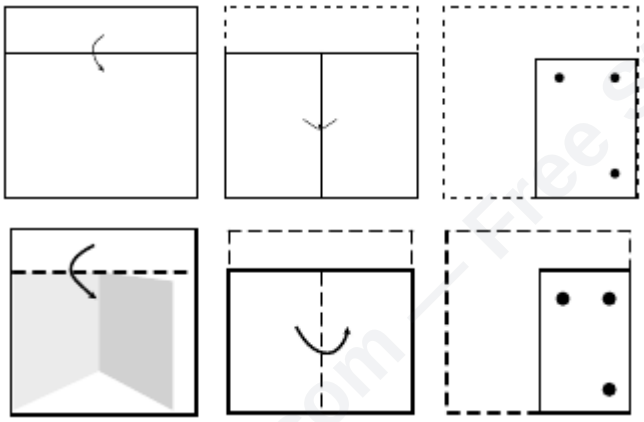
Q7. Each of the letters in the word COUNTED are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letters which is fourth from the left and the one which is second from the right?

(a) 6
(b) 5
(c) 3

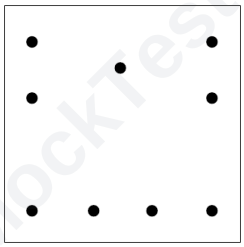
YourMockTest.com — Free Study Material

(d) 2

Q8. A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

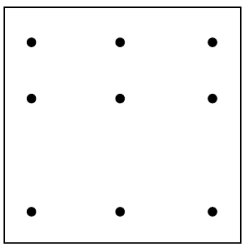


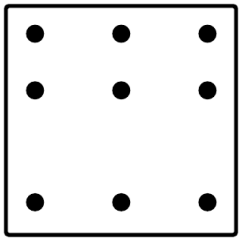
(a)





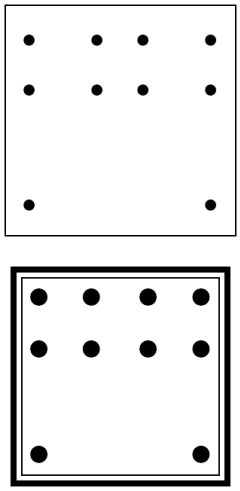
(b)



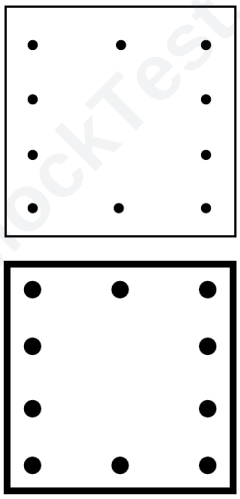


YourMockTest.com — Free Study Material

(c)



(d)



Q9. In a certain code language, 'WANTED' is coded as '241573' and 'WARNED' is coded as '415278'. What is the code for 'R' in the given code language?

(a) 7
(b) 2
(c) 5
(d) 8

Q10. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ZY_V U_RQ _OML KJ_G F_CB

(a) XSPID
(b) WTPID
(c) XSPHE
(d) WTPHE

Q11. DNST is related to STDN in a certain way based on a certain relationship between the given letters. In the same way RXMK is related to MKRX. To which of the following is WBGH related to following the same logic?

(a) HBWG
(b) WGHB
(c) WHBG
(d) GHWB

YourMockTest.com — Free Study Material

Q12. 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) 8 - 512
(b) 2 - 8
(c) 3 - 9
(d) 9 - 729

Q13. What should come in place of the question mark (?) in the given series?

71, 73, 79, ?, 89, 97

(a) 81
(b) 83
(c) 90
(d) 84

Q14. Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

OTG : UPK

YND : EJH

(a) CRY : JVU
(b) SAY : MZB
(c) GHS : MDW
(d) AMO : GIK

Q15. In a certain code language, 'lets do it' is written as 'nq pl st' and 'do your work' is written as 'st mr jn'. How is 'do' written in the given language?

(a) pl
(b) mr
(c) st
(d) nq

Q16. In a certain code language,

A + B means 'A is the father of B',

A - B means 'A is the mother of B',

A × B means 'A is the sister of B' and

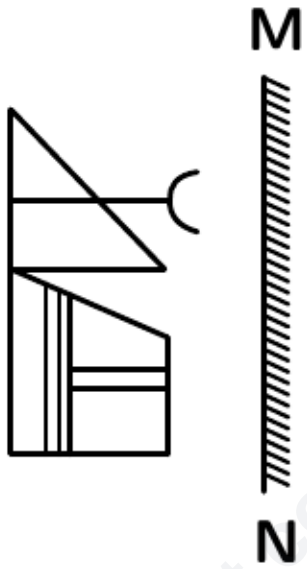
A ÷ B means 'A is the daughter of B'.

Based on the above, how is T related to R if 'T × Y + E ÷ S − R'?

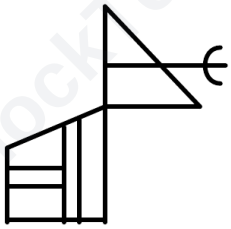
(a) Father's sister
(b) Sister's mother
(c) Brother's daughter
(d) Mother's sister

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

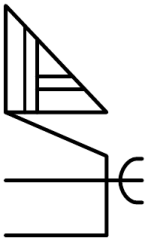
YourMockTest.com — Free Study Material



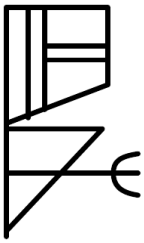
(a)



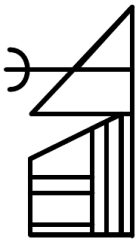
(b)



(c)



(d)



YourMockTest.com — Free Study Material

Q18. Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

P_RSPG_SP_LSPM_S

(a) CWZO
(b) BWVQ
(c) ABXY
(d) QBWV

Q19. Each of the letters in the word WORKING are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is third from the left and the one which is fourth from the right in the new letter cluster thus formed?

(a) One
(b) Six
(c) Two
(d) Four

Q20. Select the triad from the below options that has the same analogy as the following triads.

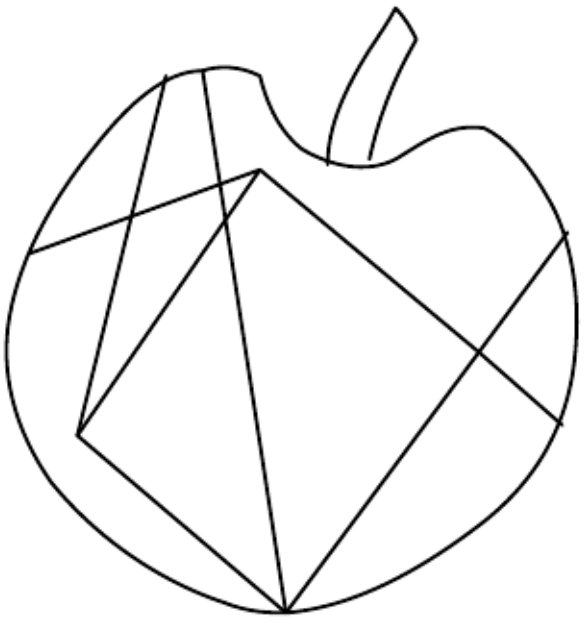
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and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

1016 : 254 : 508

2200 : 550 : 1100

(a) 5700 : 1450 : 2800
(b) 160 : 40 : 60
(c) 5400 : 1350 : 2700
(d) 3400 : 852 : 1600

Q21. How many triangles are there in the given figure?



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

Q22. Which of the following interchanges in two mathematical operators and two numbers will balance the equation given below?

84 + 5 × 4 ÷ 32 - 7 = 75

NOTE: Operations should be performed on numbers not on Digits.

(a) • and ×, 84 and 32
(b) • and ÷, 4 and 7
(c) ÷ and +, 5 and 7
(d) • and -, 5 and 4

Q23. In a certain code language,

A + B means 'A is the mother of B'

A - B means 'A is the brother of B'

A × B means 'A is the wife of B'

A ÷ B means 'A is the father of B'

Based on the above, how is D related to F if 'B + C × D - E ÷ F'?

(a) Brother's brother
(b) Mother's husband
(c) Wife's father
(d) Father's brother

Q24. Which of the following four options can replace the question mark (?) in the following series?

74, 93, ?, 145, 176, 213

(a) 121
(b) 116
(c) 135
(d) 105

Q25. FCMJ is related to HEOL in a certain way based on the English alphabetical order. In the same way, RQBL is related to TSDN. To which of the following is MUAG related following the same logic?

(a) PWDI
(b) OXCJ
(c) NWDK
(d) OWCI

GENERAL INTELLIGENCE

Q26. Kumbh Mela and Sangam are famous in which state?

(a) Meghalaya
(b) Uttar Pradesh
(c) Manipur
(d) Sikkim

Q27. The Unlawful Activities (Prevention) Act, which provides for the more effective prevention of certain unlawful activities of individuals and associations dealing with terrorist activities, was first put into effect in India in the year:

(a) 1991
(b) 1967
(c) 2014
(d) 1947

Q28. In 11^(th) century, the army of which of the following Cholas reached upto Ganga to invade Bengal?

(a) Rajendra I
(b) Rajaraja I
(c) Vijayalaya
(d) Rajadhiraj I

YourMockTest.com — Free Study Material

Q29. Which of the following is used in solar cookers?

(a) Electrical supply
(b) Solar plate
(c) Mirror
(d) Electrochemical cell

Q30. According to Census of India 2011, what is the percentage of the rural population of India?

(a) 65.25%
(b) 70%
(c) 69%
(d) 68.8%

Q31. Article 51 A of the Indian Constitution came in to effect from _____.

(a) 5th March 1978
(b) 11th March 1980
(c) 3rd January 1977
(d) 10th March 1979

Q32. The 'Karma' tribal dance form is associated with which of the following states?

(a) Chhattisgarh
(b) Goa
(c) Kerala
(d) Karnataka

Q33. Who among the following is a figure in Indian music?

(a) Vyjayanthi mala
(b) Asha Bhosle
(c) Amrita Pritam
(d) Asha Parekh

Q34. Which of the following statements is true?

A) Money Supply is a stock concept
B) Currency and Coins with public are not included in M3 measure of money supply

(a) Only A
(b) Neither A nor B
(c) Both A and B
(d) Only B

Q35. Hema Malini, a popular dancer and actress, received the _____ in 2000.

(a) Padma Shri
(b) Kabir Samman
(c) Padma Vibhushan
(d) Kalidas Samman

Q36. What kind of smell do Esters have?

(a) Sweet smell like fruits
(b) Rotten egg smell
(c) Floral smell
(d) Pungent smell

Q37. What is the name of the thermionic electron tube used to oscillate and amplify microwave frequency signals?

(a) Neutrino
(b) Beam tetrodes
(c) Klystron
(d) Thyratron

YourMockTest.com — Free Study Material

Q38. The Barren island is situated in the _____.

(a) Andaman Sea
(b) Gulf of Mannar
(c) Arabian Sea
(d) Bay of Bengal

Q39. At the time of Independence of India, the Industrial sector was confined to _____.

(a) jute and fertilizers
(b) sugar and oil
(c) cotton textiles and jute
(d) cotton textiles and fertilizers

Q40. NDP at FC plus net factor income from abroad is equal to _____.

(a) NNP at MP
(b) NNP at FC
(c) GDP at FC
(d) GNP at MP

Q41. Who was appointed as the New Chief Executive Officer of NITI Aayog in 2023?

(a) BVR Subrahmanyam
(b) Rajiv Kumar
(c) Amitabh Kant
(d) Parameswaran Iyer

Q42. Which of the following teams won the Ranji Trophy 2022 - 23?

(a) Saurashtra
(b) Hyderabad
(c) Kerala
(d) Bengal

Q43. Which of the following crops is classified as fine grain?

(a) Bajra
(b) Ragi
(c) Maize
(d) Wheat

Q44. Who among the following Peshwas signed the Treaty of Bassein with the British East India Company?

(a) Baji Rao II
(b) Madhav Rao
(c) Narayan Rao
(d) Balaji Baji Rao

Q45. It is possible to derive the value of GDP of a country. Which function of money is applicable here?

(a) Store of value
(b) Unit of account
(c) Standard of deferred payments
(d) Medium of exchange

Q46. In which year were the first Olympic Games held?

(a) 1900
(b) 1984
(c) 1896
(d) 1898

YourMockTest.com — Free Study Material

Q47. Which of the given statements is/are correct with respect to NAFED?

i. NAFED is registered under the Multi-State Co-operative Societies Act.

ii. It was set up with the objective of promoting Cooperative marketing of agricultural produce to benefit farmers.

iii. It was established in 1958.

(a) Only i and iii
(b) Only ii
(c) Only ii and iii
(d) All

Q48. During the 2022 Commonwealth Games held in Birmingham, how many medals did India win?

(a) 65
(b) 55
(c) 61
(d) 40

Q49. Which of the following are categorised in the Right to Constitutional Remedies in the Indian Constitution?

(a) Articles 32 - 35
(b) Articles 32 - 36
(c) Articles 31 - 34
(d) Articles 33 - 36

Q50. The target for the first commitment period of the Kyoto Protocol is to reduce emissions of how many greenhouse gases by 5.2% from 1990 levels?

(a) 6
(b) 10
(c) 8
(d) 7

QUANTITATIVE APTITUDE

Q51. A boat takes 11 hours to travel a distance upstream and takes 5 hours to travel the same distance downstream. If the speed of the boat in still water is 22/9 m/sec, then the speed of the stream (in km/h) is:

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

Q52. If sin (A - B) = 1/2, and sin(A + B) = 1, where A and B are positive acute angles and A ≥ B, then A and B are respectively:

(a) 80°, 10°
(b) 60°, 30°
(c) 70°, 20°
(d) 50°, 40°

Q53. Third proportion of 15 and 120 is:

(a) 880
(b) 960
(c) 900
(d) • 860

Q54. A certain sum was invested at the rate of 10% for a period of 2 years at compound interest and compounded annually. The same sum was invested for the same period and same rate of interest at simple interest. If the difference of compound interest and simple interest was Rs. 200, find the sum.

(a) Rs. 30,000

YourMockTest.com — Free Study Material

(b) Rs. 25,000
(c) Rs. 22,000
(d) Rs. 20,000

Q55. Sukhen purchased some perishable items for sale but 15% of those items could not be sold and went bad. However, Sukhen managed to sell the rest of the items at a price that helped him earn an overall profit of 19%. At what percentage above the cost price of each item did Sukhen sell each of the items that did NOT go bad?

(a) 40%
(b) 42%
(c) 34%
(d) 36%

Q56. What is the least value of x for which the number 712x816 is divisible by 12?

(a) 4
(b) 1
(c) 0
(d) 2

Q57. The following table gives the number of students who went abroad during 1994 - 1998.

Year/State	1994	1995	1996	1997	1998
Maharashtra	723	840	900	920	925
Kerala	1035	940	1200	1400	1500
Karnataka	750	600	830	575	900
West Bengal	500	550	450	600	525
Delhi	1500	1625	1700	1475	1800
Andhra Pradesh	800	840	875	925	785
Total	5308	5395	5955	5895	6435

From which state/U.T. did the least number of students go abroad over the years among the given States/U.T.s?

(a) Maharashtra
(b) Karnataka
(c) Kerala
(d) West Bengal

Q58. How many liters of water can a hemispherical tank of radius 2.1 m contain? (Take π = 22/7)

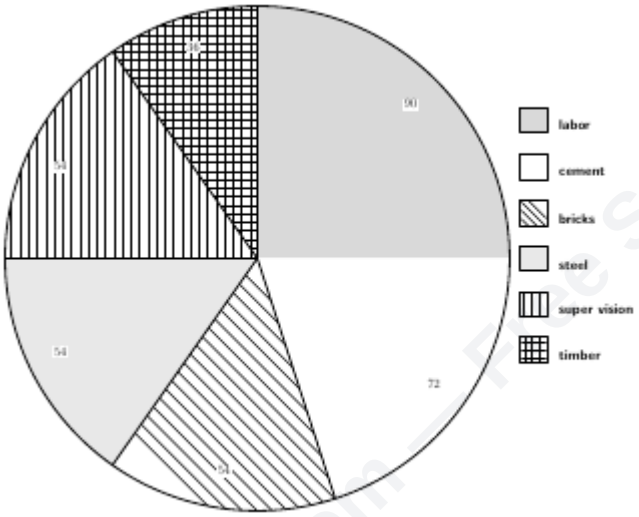
(a) 18984
(b) 19324
(c) 18404
(d) 19404

Q59. The marked price of a toy car is Rs. 600. The shopkeeper gives a discount of 4% and still makes a profit of 28%. Find the cost price.

(a) Rs. 460
(b) Rs. 420
(c) Rs. 480
(d) Rs. 450

Q60. The pie chart shows the cost of construction of a house in degree.

YourMockTest.com — Free Study Material



What is the average on timber, super vision and cement?

(a) 20%
(b) 21%
(c) 10%
(d) 15%

Q61. The sides of similar triangle ΔABC and ΔDEF are in the ratio √3/√5 of If the area of ΔABC is 90 cm2, then the area of ΔDEF (in cm2) is::

(a) 150
(b) 152
(c) 154
(d) 156

Q62. A can do a piece of work in 24 days and B can do the same work in 30 days. If they work on it together for 8 days, then the fraction of the work that is left is:

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

Q63. What will be the perimeter (in cm) of the sector of a circle of radius 4.9 cm having central angle 144° (use π = 22/7)

(a) 21.12
(b) 23.32
(c) 23.23
(d) 22.12

Q64. If 2 Tan^2A + 4 Cos^4A = 3, then the possible value of A is:

(a) 45°
(b) 60°
(c) 0°
(d) 30°

Q65. Simplify:

$((612 + 388)^2 + (612 - 388)^2)/(612 \times 612) + (388 \times 388) = ?$

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

YourMockTest.com — Free Study Material

Q66. If a = cot A + cos A and b = cot A - cos A, then find the value of $a^2 - b^2 - 4\sqrt{ab}$.

(a) 0
(b) • 1
(c) 1
(d) • 4

Q67. Simplify the following expression.

$((a^2 + b^2 - c^2)^2 - (a^2 - b^2 + c^2)^2)/(b^2 - c^2)$

(a) 3a2
(b) 4a2
(c) 5a2
(d) 2a2

Q68. A dealer gives 10%, 20% and 30% successive discounts on an item. What is the single equivalent discount on the item?

(a) 54.8%
(b) 52.8%
(c) 47.6%
(d) 49.6%

Q69. The average age of 30 students in a class is 12 years. The average age of a group of 5 of the students is 10 years and that of another group of 5 of them is 14 years. The average of the remaining students is:

(a) 14 years
(b) 12 years
(c) 11 years
(d) 13 years

Q70. A man spent 30% of his monthly income on rent. He spent 15% of the remaining amount on food. 35% of the amount now left was used for all other expenses. If Rs. 1,62,435 was left with him, then his monthly income was:

(a) Rs. 4,80,000
(b) Rs. 4,20,000
(c) Rs. 3,60,000
(d) Rs. 5,40,000

Q71. The radius of a circle is 21 cm. What will be the length (in cm) of an arc of the circle that subtends a 22.5° angle at the centre? [Use π = 22/7]

(a) 8.25
(b) 7.75
(c) 8.50
(d) 7.50

Q72. The area of a triangle is half the area of a square. The perimeter of the square is 172 cm. What is the area of the triangle (in cm^2)?

(a) 924.5
(b) 1984
(c) 1849
(d) 992

Q73. A man invested Rs. 25,400 on simple interest for 9 years to obtain a total amount of Rs. 67,790 on a certain annual rate of interest. What was the rate of interest (rounded off to 2 decimal places) to obtain the above amount?

(a) 14.58%
(b) 18.54%
(c) 18.45%
(d) 15.84%

YourMockTest.com — Free Study Material

Q74. The number of students in three different streams in different colleges are given below.

Stream → College↓	Science	Arts	Commerce
1	1550	1900	2200
2	1800	1700	2400
3	1650	1850	2250
4	1700	1250	3250

The difference between the average number of students per college in commerce and the average number of students per stream in college 2 (Correct to 2 decimal places) is:

(a) 558.33
(b) 819.67
(c) 891.67
(d) 981.67

Q75. If $2x + 3y = 4$ and $4x^2 + 9y^2 = 64$, then what is the value of $8x^3 + 27y^3$.

(a) 253
(b) 235
(c) 352
(d) 325

GENERAL AWARENESS

Q76. Direction: Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

(A) that further treatment
(B) useless
(C) the doctor concluded
(D) would be

(a) CADB
(b) BDCA
(c) CBAD
(d) BCAD

Q77. Direction: Select the most appropriate synonym for the underlined word in the given sentence.

We cannot achieve success until these antiquated policies are not amended.

(a) Outdated
(b) Current
(c) New
(d) Updated

Q78. Direction: Select the correct spelling of the underlined word.

It would be proodent to wait for some more time before selling off the property.

(a) prudent
(b) proudent
(c) prodent
(d) proodant

Q79. Direction: Select the most appropriate option that can substitute the underlined segment in the given sentence.

No sooner had I finished my final exam that my friends invited me to join them on a trip to Europe.

(a) then my friends invited
(b) than my friends invited

YourMockTest.com — Free Study Material

(c) that my friend invited
(d) when my friends invited

Q80. Direction: The following sentence has been divided into four parts. One of them contains an error. Select the part that contains the error from the given options.
The rich / should / help / poor.
(a) help
(b) should
(c) poor
(d) The rich

Q81. Direction: Select the option that expresses the given sentence in active voice.
The bell is rung by the peon.
(a) The peon ranged the bell.
(b) The peon rings the bell.
(c) The peon has rang the bell.
(d) The peon rang the bell.

Q82. Direction: Select the option with the correct spellings to replace the underlined words in the given sentence.
There was an anouncement by the director of the company that grabed the attention of all the employees.
(a) announcement; grabbed
(b) announcement; grabed
(c) anoucement; grabbed
(d) anounsement; grebbed

Q83. Direction: Select the most appropriate idiom for the underlined words in the given sentence.
Ritika had a narrow escape as she was driving recklessly on the highway.
(a) come in handy
(b) cut both ends
(c) cock a snook
(d) close shave

Q84. Direction: Select the option that can be used as a one-word substitute for the given group of words.
Exceptionally clever or talented
(a) Indigenous
(b) Studious
(c) Assiduous
(d) Ingenious

Q85. Direction: Select the most appropriate option that can substitute the underlined segment in the given sentence.
It is nothing but pride.
(a) nothing ever
(b) nothing else
(c) nothing seldom
(d) nothing so

Q86. Direction: Select the most appropriate synonym of the underlined word in the given sentence.
The doctors say that the majority of the people who attended the fest are ill due to eating adulterated food.
(a) spicy
(b) lascivious
(c) contaminated
(d) damp

YourMockTest.com — Free Study Material

Q87. Direction: Select the most appropriate synonym of the given word.

Worn

(a) Dilemma
(b) Energetic
(c) Dilapidated
(d) Diminutive

Q88. Direction: Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

A. before the movie starts
B. should be there
C. at least fifteen minutes
D. the theater management recommends that
E. the audience

(a) AEDCB
(b) DEBCA
(c) EBCAD
(d) BDCEA

Q89. Direction: Select the most appropriate synonym of the given word from the following sentence.

Magical

The stories of the Arabian Nights are enchanting, interesting, vivacious, and natural.

(a) enchanting
(b) interesting
(c) natural
(d) vivacious

Q90. Direction: Select the most appropriate ANTONYM of the word ‘Regularity’ from the given sentence.

The doctor's examination revealed a significant abnormality in the patient's cardiovascular system.

(a) Examination
(b) Abnormality
(c) Significant
(d) Revealed

Q91. Direction: Select the option that can be used as a one-word substitute for the given group of words.

The character and atmosphere of a place

(a) Haven
(b) Cartography
(c) Ligament
(d) Ambience

Q92. Direction: Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

(P) the research paper analyses
(Q) the relationship between diet and
(R) disease and the importance of
(S) exercise in maintaining good health

(a) PRQS
(b) QPRS
(c) PQSR
(d) PQRS

YourMockTest.com — Free Study Material

Q93. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

The deteriorated building was declared unsafe for the inmates.

(a) dilapidated
(b) dissipated
(c) meliorated
(d) reprobated

Q94. Direction: Select the most appropriate idiom for the underlined segment in the given sentence.

The new entrant in the class felt uncomfortable as all were unfamiliar to him.

(a) Left out in cold
(b) Was not given a fig
(c) Was fish out of water
(d) Buried his head in the sand

Q95. Direction: Select the option that expresses the given sentence in passive voice.

Ramya laughed at me.

(a) I am laughed at by Ramya.
(b) I were laugh at by Ramya.
(c) I was laughed at by Ramya.
(d) I shall laugh at by Ramya.

Directions

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

His only ____ (1) __ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable __ (2) __, but it was now too late to make amends for it. __ (3) __ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do __ (4) __ about it. He was unarmed. But come what may, he must __ (5) ____ of their rifle's range.

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

(a) consolation
(b) regret
(c) shock
(d) joy

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

(a) lapse
(b) yearn
(c) reward
(d) crime

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

(a) Has
(b) Had
(c) Have
(d) Did

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

(a) anything
(b) something
(c) much
(d) nothing

YourMockTest.com — Free Study Material

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

(a) keep from
(b) keep within
(c) keep out
(d) keep of

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (d) 24

Here, we use the BODMAS table given below:

Given:

=> 2 + 6 ÷ 8 - 4 × 14 = ?

After interchanging '+' and '×' & '-' and '÷' →

=> 2 × 6 - 8 ÷ 4 + 14

Apply BODMAS rule:

=> 2 × 6 - 8 ÷ 4 + 14

=> 2 × 6 - 2 + 14

=> 12 - 2 + 14

=> 26 - 2 = 24

=> '2 × 6 - 8 ÷ 4 + 14 = 24'

Here, the value of the equation is '24'.

Hence, the correct answer is "Option (4)".

Q2. Answer: (b) ABD

Here, we use the table given below:

Logic: '1' and '3' are added to the positional value of the first and second alphabet.

Checking the given options:

1. DEH →
2. ABD →
3. OPS →
4. HIL →

Here, 'ABD' is different from the rest.

Hence, the correct answer is "Option (2)".

YourMockTest.com — Free Study Material

Q3. Answer: (b) [figure]

The logic followed in the given figure series is:

From Figure (1) to (2):

The shape rotates 45º in the clockwise direction and two circles are added.

From Figure (2) to (3):

The shape rotates 45º in the clockwise direction and two circles are added.

From Figure (3) to (4):

The shape rotates 45º in the clockwise direction and two circles are added.

From Figure (4) to Answer Figure:

The shape rotates 45º in the clockwise direction and two circles are added.

Hence, the correct answer is "Option (2)".

Q4. Answer: (a) 9 - 44 - 218

Logic: [First no.] - [(First no. × 5) + 1] - [(First no. × 25) + 6]

Checking the given options:

(1) 9 - 44 - 218 →

=> [9] - [(9 × 5) - 1] - [(9 × 25) - 7]

(2) 6 - 31 - 156 →

=> [6] - [(6 × 5) + 1] - [(6 × 25) + 6]

(3) 13 - 66 - 331 →

=> [13] - [(13 × 5) + 1] - [(13 × 25) + 6]

(4) 16 - 81 - 406 →

=> [16] - [(16 × 5) + 1] - [(16 × 25) + 6]

Here, '9 - 44 - 218' is different from the rest.

Hence, the correct answer is "Option (1)".

Q5. Answer: (c) Only conclusion (II) is true.

Statements:

Some books are horses.

All horses are animals.

Some animals are oceans.

The Venn diagram as per the given statements:

Conclusions:

(I) Some horses are oceans. → Not follow (Because all horses are animals, and some animals are oceans, so some horses are oceans can be possible but not definitely true)

(II) Some animals are books. → Follow (Because some books are horses, and all horses are animals, which means some animals are books is definitely true)

Hence, the correct answer is "Only conclusion (II) is true".

Q6. Answer: (d) 168

Logic:

First no. = $[(x)^2 - 1]$

Second no. = [(x + 1)2 -1]

35 is related to 48 →

=> $[(6)^2 - 1] = 35$

=> $[(6 + 1)^2 - 1] = 48$

80 is related to 99 →

=> [(9)2 - 1] = 80

=> [(9 + 1)2 - 1] = 99

Similarly, '143' will be related to:

=> [(12)2 - 1] = 143

=> [(12 + 1)2 - 1] = 168

Here, '143' is related to '168'.

YourMockTest.com — Free Study Material

Hence, the correct answer is "Option (4)".

Q7. Answer: (b) 5

Given: 'COUNTED'

Arranging in alphabetical order:

COUNTED → CDENOTU

Here, the letter 'N' is fourth from the left and the letter 'T' is second from the right.

Here, the five letters O, P, Q, R and S come between N and T.

Hence, the correct answer is "Option (2)".

Q8. Answer: (c) [figure] [figure]

Here, we unfold the paper sheet step by step:

Hence, the correct answer is "Option (3)".

Q9. Answer: (d) 8

As per the given information:

Here, the code for 'R' is '8'.

Hence, the correct answer is "Option (4)".

Q10. Answer: (d) WTPHE

Here, we use the table given below:

Given:

ZY_V U_RQ _OML KJ_G F_CB

Logic: '5' is subtracted from the positional value of each alphabet.

Here, 'WTPHE' completed the series.

Hence, the correct answer is "Option (4)".

Q11. Answer: (d) GHWB

Logic: Letters are rearranged.

DNST is related to STDN →

RXMK is related to MKRX →

Similarly, 'WBGH' will be related to:

Here, 'WBGH' is related to 'GHWB'.

Hence, the correct answer is "Option (4)".

Q12. Answer: (c) 3 - 9

Logic: Second no. = [(First no.)^3]

Checking the given options:

(1) 8 - 512 →

=> [(8)^3] = 512

(2) 2 - 8 →

=> [(2)3] = 8

(3) 3 - 9 →

=> [(3)^2] = 9

(4) 9 - 729 →

=> [(9)3] = 729

Here, '3 - 9' is different from the rest.

Hence, the correct answer is "Option (3)".

Q13. Answer: (b) 83

Given:

71, 73, 79, ?, 89, 97

Logic: Series of consecutive prime numbers.

Here, the missing term is '83'.

Hence, the correct answer is "Option (2)".

Q14. Answer: (c) GHS : MDW

Here, we use the table given below:

Logic: '6' and '4' are added to the positional value of the first and third alphabets respectively, and '4' is subtracted from the positional value of the second alphabet.

Given:

OTG : UPK →

YND : EJH →

Checking the given options:

(1) CRY : JVU →

(2) SAY : MZB →

(3) GHS : MDW →

(4) AMO : GIK →

Here, 'GHS : MDW' is similar to the given letter clusters.

Hence, the correct answer is "Option (3)".

Q15. Answer: (c) st

As per the given information:

Here, the code for 'do' is 'st'.

Hence, the correct answer is "Option (3)".

Q16. Answer: (a) Father's sister

Preparing the family tree diagram by using the following symbols:

As per the given information:

A is				
Symbol	•	•	×	÷
Means	Father	Mother	Sister	Daughter
of B				

Given expression: 'T × Y + E ÷ S − R'

T is the sister of Y, Y is the father of E, E is the daughter of S and S is the mother of R.

Here, T is the father's sister of R.

Hence, the correct answer is "Option (1)".

Q17. Answer: (d) [figure]

The mirror image of the given figure is:

Hence, the correct answer is "Option (4)".

Q18. Answer: (d) QBWV

Here, we use the table given below:

Logic: '16' and '10' are added to the positional value of the second and third alphabet respectively.

Given:

P_RSPG_SP_LSPM_S

Here, 'QBWV' completed the series.

Hence, the correct answer is "Option (4)".

Q19. Answer: (c) Two

Given: 'WORKING'

Arranging in alphabetical order:

YourMockTest.com — Free Study Material

WORKING → GIKNORW

Here, the letter 'K' is third from the left and the letter 'N' is fourth from the right.

There are two alphabets 'L' and 'M' comes between 'N' and 'K'.

Hence, the correct answer is "Option (3)".

Q20. Answer: (c) 5400 : 1350 : 2700

Logic: [(Second no. × 4)] : [Second no.] : [(Second no. × 2)]

Given:

1016 : 254 : 508 →

=> [(254 × 4)] : [254] : [(254 × 2)]

2200 : 550 : 1100 →

=> [(550 × 4)] : [550] : [(550 × 2)]

Checking the given options:

(1) 5700 : 1450 : 2800 →

=> [(1450 × 4) - 100] : [1450] : [(1450 × 2) - 100]

(2) 160 : 40 : 60 →

=> [(40 × 4)] : [40] : [(40 × 2) - 20]

(3) 5400 : 1350 : 2700 →

=> [(1350 × 4)] : [1350] : [(1350 × 2)]

(4) 3400 : 852 : 1600 →

=> [(852 × 4) - 8] : [852] : [(852 × 2) - 104]

Here, '5400 : 1350 : 2700' is similar to the given set of numbers.

Hence, the correct answer is "Option (3)".

Q21. Answer: (b) 7

The number of triangles in the given figure is:

Here, the number of triangles is '7'.

Hence, the correct answer is "Option (2)".

Q22. Answer: (c) ÷ and +, 5 and 7

Here, we use the BODMAS table given below:

Given:

=> 84 + 5 × 4 ÷ 32 - 7 = 75

(1) + and ×, 84 and 32

=> 84 + 5 × 4 ÷ 32 - 7 = 75

After interchanging:

=> 32 × 5 + 4 ÷ 84 - 7

Apply BODMAS rule:

=> 32 × 5 + 4 ÷ 84 - 7

=> 32 × 5 + 0.047 - 7

=> 160 + 0.047 - 7

=> 160.047 - 7 = 153.047

Here, the equation is not satisfied.

(2) - and ÷, 4 and 7

=> 84 + 5 × 4 ÷ 32 - 7 = 75

After interchanging:

=> 84 + 5 × 7 - 32 ÷ 4

Apply BODMAS rule:

=> 84 + 5 × 7 - 32 ÷ 4

=> 84 + 5 × 7 - 8

=> 84 + 35 - 8

=> 119 - 8 = 111

Here, the equation is not satisfied.

YourMockTest.com — Free Study Material

(3) ÷ and +, 5 and 7
=> 84 + 5 × 4 ÷ 32 - 7 = 75
After interchanging:
=> 84 ÷ 7 × 4 + 32 - 5
Apply BODMAS rule:
=> 84 ÷ 7 × 4 + 32 - 5
=> 12 × 4 + 32 - 5
=> 48 + 32 - 5
=> 80 - 5 = 75
=> '84 ÷ 7 × 4 + 32 - 5 = 75'
Here, the equation is satisfied.
(4) + and -, 5 and 4
=> 84 + 5 × 4 ÷ 32 - 7 = 75
After interchanging:
=> 84 - 4 × 5 ÷ 32 + 7
Apply BODMAS rule:
=> 84 - 4 × 5 ÷ 32 + 7
=> 84 - 4 × 0.156 + 7
=> 84 - 0.625 + 7
=> 91 - 0.625 = 90.375
Here, the equation is not satisfied.
Hence, the correct answer is "Option (3)".

Q23. Answer: (d) Father's brother

Preparing the family tree diagram by using the following symbols:
As per the given information:

A is				
Symbol	•	•	×	÷
Means	Mother	Brother	Wife	Father
of B				

Given expression: 'B + C × D - E ÷ F'
B is the mother of C, C is the wife of D, D is the brother of E and E is the father of F.
Here, D is the father's brother of F.
Hence, the correct answer is "Option (4)".

Q24. Answer: (b) 116

Given:
74, 93, ?, 145, 176, 213
Logic: Addition of consecutive prime numbers.
Here, the missing term is '116'.
Hence, the correct answer is "Option (2)".

Q25. Answer: (d) OWCI

Here, we use the table given below:

Logic: '2' is added to the positional value of each alphabet.
FCMJ is related to HEOL →
RQBL is related to TSDN →
Similarly, 'MUAG' will be related to:
Here, 'MUAG' is related to 'OWCI'.
Hence, the correct answer is "Option (4)".

YourMockTest.com — Free Study Material

Q26. Answer: (b) Uttar Pradesh

The correct answer is Uttar Pradesh.

Key Points

• Kumbh Mela:-

• It is a Hindu festival held every 12 years, with the location rotating between four cities in India, one of which is Allahabad (now known as Prayagraj) in Uttar Pradesh.

• Sangam:-

• It refers to the confluence of three rivers in Allahabad - the Ganges, Yamuna, and mythical Saraswati - which is considered a holy site in Hinduism.

• A dip in the Sangam during the Kumbh Mela is believed to wash away one's sins.

• Uttar Pradesh:-

• It is the most populous state in India.

• It is known for its rich cultural heritage, including its cuisine, music, and art.

Additional Information

• Meghalaya:-

• It is a state in northeastern India renowned for its lush greenery, breathtaking waterfalls, and captivating living root bridges.

• The state is home to diverse tribal communities, each with its unique customs and traditions.

• Meghalaya is also a haven for adventure enthusiasts, offering trekking, caving, and rock climbing opportunities.

• Manipur:-

• It is known as the "Land of Jewels,".

• It is a state in northeastern India famed for its rich cultural heritage, vibrant festivals, and stunning natural beauty.

• The state is home to Loktak Lake, the largest freshwater lake in South Asia, and Keibul Lamjao National Park, a sanctuary for the endangered Sangai deer.

• Manipur is also a center for traditional handloom weaving, producing exquisite fabrics like Manipuri silk.

• Sikkim:-

• It is a state in northeastern India celebrated for its snow-capped mountains, serene monasteries, and picturesque landscapes.

• The state is home to Mount Kanchenjunga, the world's third-highest peak, and several revered pilgrimage sites.

• Sikkim is also known for its diverse flora and fauna, including the elusive red panda.

Q27. Answer: (b) 1967

The correct answer is 1967.

Key Points

• Unlawful Activities (Prevention) Act:-

• It was first put into effect in India in the year 1967.

• The act provides for the more effective prevention of certain unlawful activities of individuals and associations dealing with terrorist activities.

• The act was amended in 2019 to designate individuals as terrorists, allowing the government to seize their property and restrict their movements.

• The act has faced criticism for being misused by the government to target political dissidents and human rights activists.

• The act has also been challenged in court for violating fundamental rights guaranteed by the Indian Constitution.

Q28. Answer: (a) Rajendra I

The correct answer is Rajendra I

Key Points

• Rajaraja I:-

• He was the first great Chola king who expanded the Chola Empire to include most of South India and parts of Sri Lanka.

• Rajendra I was one of the greatest Chola kings who ruled from 1012 to 1044 CE.

• Rajendra I was known for his military conquests and he invaded many parts of South India, Sri Lanka, and Southeast Asia.

• In the 11th century, the army of Rajendra I reached up to Ganga to invade Bengal.

Additional Information

• Vijayalaya:-

• He was the founder of the Chola dynasty and he conquered Thanjavur from the Muttaraiyar dynasty and established the Chola Empire.

YourMockTest.com — Free Study Material

• Rajadhiraj I:-

• He was the son of Rajendra I and he ruled the Chola Empire after his father's death.

Q29. Answer: (c) Mirror

The correct answer is Mirror.

Key Points

• Mirrors:-

• These are used in solar cookers to reflect and concentrate sunlight onto the cooking pot or surface.

• The reflective surface of the mirror can be made of various materials such as glass, metal, or plastic.

• The mirror can be adjusted to track the movement of the sun throughout the day to ensure maximum sunlight is captured.

Additional Information

• Electrical supply:-

• It is not used in solar cookers as they rely solely on the energy from the sun.

• Solar plates:-

• These are not commonly used in solar cookers as they are typically used for generating electricity, not for cooking food.

• Electrochemical cells:-

• These are also not used in solar cookers as they are typically used for storing energy, not for cooking food.

Q30. Answer: (d) 68.8%

The correct answer is 68.8%.

Key Points

• Census of India 2011:-

• The percentage of the rural population of India according to the Census of India 2011 is 0.688 or 68.8%.

• This means that out of the total population of India, 68.8% live in rural areas while the remaining 31.2% live in urban areas.

• The Census of India is conducted every 10 years to collect data about the population, economy, and social indicators of the country.

• The rural-urban divide is an important aspect of India's demographic profile as it has implications for policies related to agriculture, infrastructure, and social welfare.

• The government of India has launched various schemes and initiatives to address the challenges faced by rural areas and to promote inclusive growth.

• Some of these schemes include the Pradhan Mantri Gram Sadak Yojana, National Rural Livelihood Mission, and Mahatma Gandhi National Rural Employment Guarantee Act.

Q31. Answer: (c) 3rd January 1977

The correct answer is 3^(rd) January 1977.

Key Points

• Article 51 A:-

• It deals with the Fundamental Duties of citizens.

• It was inserted in the Constitution by the 42nd Amendment Act of 1976.

• The amendment was passed by the Parliament on 18th December 1976, and it came into effect from 3rd January 1977.

• The objective of Article 51 A is to promote patriotism, national integration, and a sense of responsibility among citizens.

• The ten fundamental duties listed under Article 51 A include respecting the Constitution, national flag, and national anthem, promoting harmony and the spirit of common brotherhood, protecting the environment, and safeguarding public property.

Q32. Answer: (a) Chhattisgarh

The correct answer is Chattisgarh.

Key Points

• Karma tribal:-

• This form is associated with the state of Chhattisgarh.

• The dance is performed by the Gond tribe, who believe in the concept of karma and perform the dance to appease their gods.

• The dance is performed during the Karma festival, which falls in the month of August or September.

• The dance is characterized by rhythmic movements, accompanied by traditional musical instruments like the mandar and dholak.

Additional Information

• Goa:-

YourMockTest.com — Free Study Material

• It is known for its popular folk dances like the Dekhni and Fugdi, which are performed during festivals and celebrations.

• Kerala:-

• It is famous for its classical dance forms like Kathakali and Mohiniyattam, as well as folk dances like Theyyam and Thiruvathira.

• Karnataka:-

• It has a rich cultural heritage and is home to various forms of dance like Yakshagana, Dollu Kunitha, and Kamsale.

Q33. Answer: (b) Asha Bhosle

The correct answer is Asha Bhosle

Key Points

• Asha Bhosle:-

• It is a prominent figure in Indian music and has been active in the industry for over six decades.

• She has recorded over 12,000 songs in various languages, including Hindi, Bengali, Marathi, and Gujarati.

• Asha Bhosle has won several awards for her contribution to Indian music, including the prestigious National Film Award and the Filmfare Lifetime Achievement Award.

• She is known for her versatile voice and has sung a wide range of genres, including classical, folk, and pop music.

Additional Information

• Vyjayanthi Mala:-

• She is a veteran Indian actress and classical dancer. She is not associated with Indian music.

• Amrita Pritam:-

• She was a renowned Punjabi writer and poet. While she has written about music in her works, she is not a figure in Indian music.

• Asha Parekh:-

• She is a popular Bollywood actress from the 1960s and 1970s. She is not associated with Indian music.

Q34. Answer: (a) Only A

The correct answer is Only A.

Key Points

• Money Supply:-

• It is a stock concept, which means it represents the total amount of money available in an economy at a specific point in time.

• M3 measure of money supply includes all forms of money, including currency and coins with public, but excludes time deposits with maturity period more than 2 years.

• Money Supply is a stock concept.

Additional Information

• Currency and coins with public:-

• These are included in M1 measure of money supply, which includes all physical currency and coins, demand deposits, and other checkable deposits.

• M2:-

• It measure of money supply includes M1 plus savings deposits, money market securities, and time deposits with maturity period less than 2 years.

• Money Supply:-

• It is a key indicator of the state of an economy and is closely monitored by central banks to regulate inflation and economic growth.

Q35. Answer: (a) Padma Shri

The correct answer is Padma Shri.

Key Points

• Hema Malini:-

• Hema Malini is a renowned dancer and actress who has contributed significantly to the Indian film industry. She has acted in over 150 films and has won several awards for her performances.

• She received the Padma Shri award in the year 2000. It is the fourth highest civilian award in India.

• Apart from Padma Shri, Hema Malini has also received other awards such as Filmfare Lifetime Achievement Award, National Film Award for Best Actress, and NTR National Award for her contribution to Indian cinema.

• Padma Shri:-

• It is awarded for distinguished service in various fields including art, literature, education, social work, medicine, science, and public affairs.

YourMockTest.com — Free Study Material

Additional Information

• Kabir Samman:

• It is an award given by the Madhya Pradesh government for outstanding contribution in the field of literature, music, and other arts. It was first awarded in 1986.

• Padma Vibhushan:

• It is the second-highest civilian award in India, awarded for exceptional and distinguished service in any field including service rendered by government servants. It was instituted in 1954.

• Kalidas Samman:

• It is an annual award presented by the Madhya Pradesh government for outstanding contribution in the field of arts. It was first awarded in 1980.

Q36. Answer: (a) Sweet smell like fruits

The correct answer is Sweet smells like fruits.

Key Points

• Esters:-

• They have a sweet smell like fruits. This is because they are commonly found in fruits and are responsible for their characteristic aroma.

• Esters are organic compounds that are formed from the reaction between an alcohol and a carboxylic acid.

Additional Information

• Rotten egg smell:-

• It is typically associated with hydrogen sulfide gas, which is produced when organic matter decomposes in the absence of oxygen.

• Floral smell:-

• It is associated with various compounds found in flowers, such as essential oils and terpenes.

• Pungent smell:-

• It is a general term used to describe strong and unpleasant odors, which can be caused by a wide range of compounds, including sulfur compounds, ammonia, and certain volatile organic compounds.

Q37. Answer: (c) Klystron

The correct answer is Klystron.

Key Points

• Klystron:-

• It is a vacuum tube that uses the interaction of an electron beam and electromagnetic waves to generate or amplify microwave signals.

• The name of the thermionic electron tube used to oscillate and amplify microwave frequency signals is Klystron.

Additional Information

• Beam tetrodes:-

• These are also vacuum tubes used for amplification, but they are not specifically designed for microwave frequencies and do not have the same level of precision as Klystrons.

• Thyratrons:-

• These are also vacuum tubes, but they are used for controlling high-power circuits and not for generating or amplifying microwave signals.

• Neutrino:-

• It is a subatomic particle that has nothing to do with vacuum tubes or microwave signals.

Q38. Answer: (a) Andaman Sea

The correct answer is Andaman Sea.

Key Points

• Barren Island:-

• The Barren Island is an active volcano located in the Andaman Sea.

• It is the only active volcano in India and the entire South Asian region.

• The island is uninhabited due to the constant volcanic activity, and visitors are not allowed to land on the island.

• The Barren Island is a popular destination for researchers and scientists to study the unique flora and fauna that have adapted to the harsh volcanic environment.

YourMockTest.com – Free Study Material

Additional Information

• Gulf of Mannar:-

• It is located between India and Sri Lanka and is known for its rich marine biodiversity and coral reefs.

• Arabian Sea:-

• It is a region of the northern Indian Ocean bounded by the Arabian Peninsula and the Indian subcontinent. It is known for its important shipping routes and fishing grounds.

• Bay of Bengal:-

• It is the largest bay in the world and is located east of India. It is known for its tropical cyclones and rich marine biodiversity.

Q39. Answer: (c) cotton textiles and jute

The correct answer is cotton textiles and jute.

Key Points

• Industrial sector:-

• At the time of Independence of India, the Industrial sector was dominated by the cotton textiles and jute industries.

• The cotton textiles industry was the largest industry in India at that time, contributing significantly to the country's GDP.

• The jute industry was also a major player in the industrial sector, especially in the eastern parts of India.

• Other industries such as sugar and oil were not as prominent as cotton textiles and jute at the time of Independence.

Q40. Answer: (b) NNP at FC

The correct answer is NNP at FC.

Key Points

• NDP:-

• It stands for Net Domestic Product, which is the value of all goods and services produced within a country's borders minus depreciation.

• FC:-

• It stands for factor cost, which is the total amount paid to factors of production (such as labor and capital) for their contributions to the production process.

• NNP at FC represents the total income earned by domestic factors of production, including net income from abroad, after subtracting depreciation.

Additional Information

• Net factor income from abroad:-

• It refers to the income earned by domestic factors of production from foreign sources, minus the income earned by foreign factors of production within the country.

• GDP at FC:-

• It represents the total value of all goods and services produced within a country's borders, including income earned by foreign factors of production, but it does not account for depreciation or net factor income from abroad.

• GNP at MP:-

• It represents the total income earned by domestic factors of production, including income earned abroad, but it does not account for depreciation or factor cost.

Q41. Answer: (a) BVR Subrahmanyam

The correct answer is BVR Subrahmanyam.

Key Points

• BVR Subrahmanyam:-

• He is a senior civil servant who has held various important positions in the Indian government. He was appointed as the Chief Executive Officer of NITI Aayog in 2023, succeeding Amitabh Kant.

• As the CEO of NITI Aayog, BVR Subrahmanyam is responsible for overseeing the organization's activities and ensuring that its policies and initiatives align with the government's vision for the country's development.

• Before his appointment as CEO of NITI Aayog, BVR Subrahmanyam served as the Chief Secretary of Jammu and Kashmir, where he played a key role in the administration's efforts to restore normalcy in the region after the revocation of Article 370.

• NITI Aayog:-

• It is a policy think tank of the Indian government that replaced the Planning Commission in 2015. It is responsible for formulating and implementing strategies for economic and social development in the country.

Additional Information

• Rajiv Kumar:

YourMockTest.com — Free Study Material

• He is an economist who served as the Vice Chairman of NITI Aayog from 2017 to 2022.

• Amitabh Kant:-

• He is a senior civil servant who served as the CEO of NITI Aayog from 2016 to 2023. He was succeeded by BVR Subrahmanyam in 2023.

• Parameswaran Iyer:-

• He is a retired civil servant who served as the Secretary of the Ministry of Drinking Water and Sanitation from 2017 to 2019.

Q42. Answer: (a) Saurashtra

The correct answer is Saurashtra.

Key Points

• Ranji Trophy:-

• The Ranji Trophy is a domestic first-class cricket championship played in India.

• Saurashtra won the Ranji Trophy for the first time in the 2018-19 season and defended their title in the 2019-20 season.

• Hyderabad has won the Ranji Trophy twice in the past, in the 1986-87 and 1987-88 seasons.

• Kerala and Bengal have both been runners-up in the Ranji Trophy but have not won the championship yet.

Q43. Answer: (d) Wheat

The correct answer is Wheat.

Key Points

• Fine grain crops:-

• These are those that have small seeds and are generally used for human consumption rather than animal feed.

• Wheat:-

• It is considered a fine grain crop due to its small, hard seeds that are used to make flour for bread and other baked goods.

Additional Information

• Bajra:-

• It is also known as pearl millet, is a coarse grain crop that is often used for animal feed or as a staple food in some regions.

• Ragi:-

• It also known as finger millet, is another coarse grain crop that is commonly used in porridges and flatbreads.

• Maize:-

• It is also known as corn, is a coarse grain crop that is used for animal feed, human consumption, and industrial purposes such as ethanol production.

Q44. Answer: (a) Baji Rao II

The correct answer is Baji Rao II.

Key Points

• Baji Rao II:-

• He was the Peshwa who signed the Treaty of Bassein with the British East India Company in 1802.

• Baji Rao II was the last Peshwa of the Maratha Empire, and his signing of the treaty led to the downfall of the empire.

• Treaty of Bassein:-

• The treaty marked the beginning of the British control over the Maratha Empire.

• The treaty was signed after the Battle of Poona, in which the British defeated the Marathas.

Additional Information

• Madhav Rao:-

• He was the fourth Peshwa and is known for his administrative reforms.

• Narayan Rao:-

• He was the fifth Peshwa who was assassinated by his uncle Raghunath Rao.

• Balaji Baji Rao:-

• He is also known as Nana Saheb I, was the third Peshwa. He was appointed as Peshwa in 1740 upon the death of his father, the Peshwa Bajirao I.

Q45. Answer: (b) Unit of account

The correct answer is Unit of Account.

Key Points

• Unit of account:-

• The function of money that is applicable here is the unit of account, as it is used to measure and express the value of goods and services in a country's economy.

• GDP (Gross Domestic Product) is a measure of the total value of all goods and services produced within a country's borders in a specific period of time, usually a year.

• The use of a common unit of account, such as a country's currency, allows for the calculation and comparison of GDP across different sectors and regions of the economy.

Additional Information

• Store of value:-

• It refers to the ability of money to hold its value over time, allowing individuals to save and accumulate wealth.

• Standard of deferred payments:-

• It refers to the use of money as a means of settling debts and obligations in the future.

• Medium of exchange:-

• It refers to the use of money as a widely accepted and easily transferable means of payment for goods and services.

Q46. Answer: (c) 1896

The correct answer is 1896.

Key Points

• Olympic Games:-

• The first Olympic Games were held in the year 1896.

• The Games were held in Athens, Greece.

• The first modern Olympic Games were attended by 241 athletes from 14 countries.

• The Games had nine sports events, including athletics, cycling, fencing, gymnastics, shooting, swimming, tennis, weightlifting, and wrestling.

Q47. Answer: (d) All

The correct answer is All

Key Points

• NAFED:-

• It stands for National Agricultural Cooperative Marketing Federation of India Limited.

• NAFED is a cooperative society that is registered under the Multi-State Co-operative Societies Act.

• The objective behind the establishment of NAFED was to promote cooperative marketing of agricultural produce, which would benefit farmers.

• NAFED was established in 1958, and since then, it has been playing a crucial role in ensuring fair prices for farmers and promoting agricultural exports from India.

Q48. Answer: (c) 61

The correct answer is 61.

Key Points

• 2022 Commonwealth Games:-

• India won a total of 61 medals in the 2022 Commonwealth Games held in Birmingham.

• Out of the 61 medals, India won 22 gold, 16 silver, and 23 bronze medals.

• This was India's best performance in the Commonwealth Games, surpassing their previous record of 64 medals in the 2010 Delhi Games.

• India finished Fourth in the overall medal tally behind Australia and England.

• India's success was largely due to their strong performances in shooting, wrestling, and athletics.

Q49. Answer: (a) Articles 32 - 35

The correct answer is Articles 32-35.

Key Points

• Right to Constitutional Remedies:-

• The Right to Constitutional Remedies is a fundamental right guaranteed by Article 32 of the Indian Constitution.

• This right ensures that citizens have access to legal remedies in case their fundamental rights are violated.

Additional Information

• Articles 33-36:-

YourMockTest.com — Free Study Material

• It deals with the rights of members of the armed forces and their special provisions, and are therefore not related to the Right to Constitutional Remedies.

• Article 31:-

• It deals with the right to property, which was removed as a fundamental right by the 44th Amendment Act in 1978.

• Article 34:-

• It deals with restrictions on fundamental rights during emergencies.

Q50. Answer: (a) 6

The correct answer is 6.

Key Points

• Kyoto Protocol:-

• The target for the first commitment period of the Kyoto Protocol is to reduce emissions of 6 greenhouse gases by 5.2% from 1990 levels.

• This reduction applies to carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF_6).

Q51. Answer: (b) 3

Given:

upstream time 11 h and downstream time 5 hrs.

The speed = 22/9 m/sec

Calculation:

22/9 m/sec = 20/9 × 18/5

=> 8 km/h

Let the speed of the stream is u km/h

As per the question,

=> 11 (8 - u) = 5 (8 + u)

=> 16 u = 48

=> u = 3 km/h

Therefore The correct option is 2

Q52. Answer: (b) 60°, 30°

Given:

sin (A - B) = 1/2, sin(A + B) = 1

Calculation:

sin (A - B) = 1/2

=> sin (A - B) = sin 30°

=> (A - B) = 30°

Again,

sin(A + B) = sin 90°

=> (A + B) = 90°

So,

(A - B) + (A + B) = 90° + 30°

=> 2A = 120°

=> A = 60°

And B = 30°

Therefore The correct option is 2

Q53. Answer: (b) 960

Given:

Two numbers are 15 and 120

We have to find the 3rd proportion.

Formula used:

If numbers are a, b and c

Then there3rd proportion will be, (b^2 /a)

Calculation:
Two numbers are 15 and 120
Then there 3rd proportion will be
(120 × 120 / 15)
=> 960
Therefore The 3rd proportions of 15 and 120 is 960

Q54. Answer: (d) Rs. 20,000

Given:
Difference = 200, R = 10 % and time = 2 yrs
Concept used:
Difference = $P (R/100)^2$ [P = principal, R = rate of interest]
Calculation:
As per the question,
=> 200 = P (10/100)2
=> P = Rs. 20,000
Therefore The correct option is 4

Q55. Answer: (a) 40%

Given:
15 % was wasted and Profit = 19%.
Calculation:
Let the total number of items be 100 and the cost price of each item be Rs 100
Total cost price is 100 × 100 = Rs 10000
The total Selling price is, 10000 × 119 /100 = Rs11900
The total number of good items is 85
The selling price of good items is 11900 / 85 = Rs 140
So the above percentage is 140 - 100 = 40%
Therefore The correct option is 1

Q56. Answer: (d) 2

Shortcut Trick
Divisibility by 12 => Number must be divisible by 3 and 4.
For 4: Last two digits 16 are divisible by 4 (True).
For 3: Sum of digits (7+1+2+x+8+1+6) = 25 + x must be divisible by 3.
Nearest multiples of 3 > 25 are 27, 30, 33.
For least value: 25 + x = 27 => x = 2.
Therefore The correct answer is 2.
Alternate Method
Given: Number = 712x816, Divisor = 12
Formula Used: Divisibility rule of 12 (divisible by 3 and 4).
7 1 2 x 8 1 6
Sum of digits (Rule of 3)
Check: 16 ÷ 4
Check Divisibility by 4:
=> Last two digits of 712x816 = 16
=> 16 ÷ 4 = 4 (Remainder = 0)
=> The number is divisible by 4 for any value of x.
Check Divisibility by 3:
=> Sum of digits = 7 + 1 + 2 + x + 8 + 1 + 6
=> Sum = 25 + x
=> For the number to be divisible by 3, (25 + x) must be a multiple of 3.
=> Possible values for (25 + x) are 27, 30, 33, ...

YourMockTest.com — Free Study Material

=> For least value of x: 25 + x = 27

=> x = 27 − 25

=> x = 2

Therefore The correct answer is 2.

Additional Information

Divisibility by 3

A number is divisible by 3 if the sum of its digits is divisible by 3.

Divisibility by 4

A number is divisible by 4 if the last two digits of the number are divisible by 4 or are 00.

Divisibility by 11

A number is divisible by 11 if the difference between the sum of digits at odd positions and the sum of digits at even positions is 0 or a multiple of 11.

Composite Divisibility

If a number is divisible by two co-prime numbers a and b, it is also divisible by their product (a × b). Example: 12 = 3 × 4.

Q57. Answer: (d) West Bengal

Calculation:

The total number of students go abroad from Maharashtra over the years, 723 + 840 + 900 + 920 + 925 = 4308

The total number of students go abroad from Karnataka over the years, 750 + 600 + 830 + 575 + 900 = 3655

The total number of students go abroad from West Bengal over the years, 500 + 550 + 450 + 600 + 525 = 2625

Therefore, West Bengal did the least number of students go abroad over the years among the given States.

Therefore The correct option is 4

Q58. Answer: (d) 19404

Formula used:

The volume of the hemispherical tank = $2/3\pi r^3$.

Calculation:

The amount of water will be,

=> $2/3\times \pi \times (2.1)^3$

=> $2/3 \times 22/7 \times 2.1 \times 2.1 \times 2.1 = 19.404\ m^3$

=> 19404 liter

Therefore The correct option is 4

Q59. Answer: (d) Rs. 450

Given:

The marked price = Rs. 600.

The discount = 4% and still makes a profit of 28%.

Concept used:

Discount is calculated on the marked price

Profit is calculated on the cost price

Calculation:

After discount the selling price is,

=> 600 × 96/100 = Rs 576

The cost price will be

=> 576 × 100/128 = Rs. 450

Therefore The cost price is Rs. 450

Q60. Answer: (d) 15%

Calculation:

The average on timber, supervision and cement is

=> (36 + 54 + 72) / 3 = 54°

As per the question,

360° = 100 %

YourMockTest.com — Free Study Material

Then 54° = 100/360 × 54

=> 15%

Therefore The correct option is 4

Q61. Answer: (a) 150

Given:

The sides of similar triangle ΔABC and ΔDEF are in the ratio √3/√5.

The area of ΔABC is 90 cm2,

Concept used :

The area ratio of two similar triangle = (Ratio of their sides)²

Calculation:

Side ratio is √3/√5

Then area ration will be 3/5

As per the question,

Value of 3 units = 90

So value of 5 units = (90/3) × 5

=> 150 cm2

Therefore The correct option is 1

Q62. Answer: (b) 2/5

Given:

A can do a piece of work in 24 days and B can do the same work in 30 days.

They work on it together for 8 days

Concept used:

Efficiency = (Total work / Total time taken)

Efficiency = work done in a single day

Calculation:

Let total work is 120 units (Lcm of 24 and30)

The efficiency of R is

=> 120 / 24 = 5 unit

Again, the Efficiency of S is,

=> 120 / 30 = 4 unit

Total Efficiency,

=> 5 + 4 = 9 unit

Total work done in 8 days,

=> 9 × 8 = 72 units

Total done 72 / 120 = 3/5 part

Part left (1 - 3/5) = 2/5 part

Therefore The correct option is 2

Q63. Answer: (d) 22.12

Shortcut Trick

The perimeter of a sector consists of its arc length and two radii.

Arc length = (θ ÷ 360°) × 2πr = (144 ÷ 360) × 2 × (22 ÷ 7) × 4.9 = 12.32 cm

Perimeter = Arc length + 2 × r

=> Perimeter = 12.32 + 2 × 4.9 = 12.32 + 9.8 = 22.12 cm

Therefore The correct answer is 22.12 cm.

Alternate Method

Given:

Radius of the sector (r) = 4.9 cm

Central angle (θ) = 144°

Formula Used:

Perimeter of a sector = Arc length (l) + 2r

YourMockTest.com — Free Study Material

Arc length (l) = (θ ÷ 360°) × 2πr

Calculations:

=> Arc length (l) = (144° ÷ 360°) × 2 × (22 ÷ 7) × 4.9

=> l = (2 ÷ 5) × 2 × 22 × 0.7

=> l = 0.4 × 30.8 = 12.32 cm

=> Perimeter of sector = l + 2r

=> Perimeter = 12.32 + 2 × 4.9

=> Perimeter = 12.32 + 9.8 = 22.12 cm

Therefore The correct answer is 22.12 cm.

Additional Information

Area of Sector

Area = (θ ÷ 360°) × πr². It represents the region enclosed by two radii and the corresponding arc.

Length of Arc

Arc length (l) = (θ ÷ 360°) × 2πr. It calculates the boundary length of the curved part of a sector.

Area of a Segment

The area enclosed between a chord and its corresponding arc. Area = Area of Sector − Area of Triangle.

Q64. Answer: (a) 45°

Concept used:

Tan 45° = 1, cos 45° = (1/√2)

,Calculation:

2 Tan2A + 4 Cos4A = 3

By putting A = 45°

we get, 2 × 1 + 4 × (1/√2)^4 = 3

So RHS = LHS

Therefore The correct option is 1

Q65. Answer: (c) 2

Formula used:

(A+B)2 + (A-B)2 = 2 (A2 + B2)

Calculation:

((612 + 388)² + (612 - 388)²)/(612 × 612) + (388 ×388)

=> 2 × {(612×612)+(388×388)} / {(612×612)+(388×388)}

=> 2

Therefore The correct option is 3

Q66. Answer: (a) 0

Given:

a = cot A + cos A and b = cot A - cos A

Concept used:

Cot A = 0, Cos A = 0

Calculation:

By putting A = 90° we get,

Cot A = 0, Cos A = 0

The value of a2 - b2 - 4 √ab = 0

The correct option is 1

Q67. Answer: (b) 4a2

Given:

((a² + b² - c²)² - (a² - b² + c²)²)/(b² - c²)

Formula used:

a² - b² = (a + b)(a - b)

Calculation:

$((a^2 + b^2 - c^2)^2 - (a^2 - b^2 + c^2)^2)/(b^2 - c^2)$

$\Rightarrow (a^2 + b^2 - c^2 + a^2 - b^2 + c^2)\ (a^2 + b^2 - c^2 - (a^2 - b^2 + c^2)/(b^2 - c^2))$

$\Rightarrow (2b^2-2c^2)\ (2a^2)/(b^2 - c^2)$

$\Rightarrow 2\ (2a^2)$

$\Rightarrow 4a2$

Therefore The correct option is 2

Q68. Answer: (d) 49.6%

Given:

Approximate single discount equivalent to three successive discounts of 10%, 20%, and 30%

Formula Used:

Single discount equivalent to two successive discounts of a % and b %

$= (a + b - (a \times b)/100)$ %

Calculation:

Here, a = 10 %, and b = 20 %

So, the single discount = (10+ 20 - (10 × 20)/100) %

$\Rightarrow (30 - 2)$ %

$\Rightarrow 28$ %

Again,

Here, a = 28 %, and b = 30 %

So, the single discount = (28 + 30 - (28 × 30)/100) %

$\Rightarrow (58 - 8.4)$ %

$\Rightarrow 49.6$ %

The approximate single discount is 49.6%

Q69. Answer: (b) 12 years

Given:

The average age of 30 students = 12 years.

The average age of 5 of the students = 10 years and 5 of them is 14 years.

Calculation:

The total age of 30 students in a class is 30 × 12 = 360 years

The total age of a group of 5 of the students is 10 × 5 = 50 years

The total age of a group of another 5 of the students is 14 × 5 = 70 years

total age of those (5+5) = 10 students is 70 + 50 = 120 years

The average age of the remaining 20 students is 360-120 / 20 = 12 years

Therefore The correct option is 2

Q70. Answer: (b) Rs. 4,20,000

Shortcut Trick

Using the Successive Remainder method:

Initial Income × (100 − 30)/100 × (100 − 15)/100 × (100 − 35)/100 = 1,62,435

Income × 0.70 × 0.85 × 0.65 = 1,62,435

Income × 0.38675 = 1,62,435

Income = 1,62,435 ÷ 0.38675 = 4,20,000

Therefore The correct answer is Rs. 4,20,000.

Alternate Method

Given: Rent = 30%, Food = 15% of remaining, Other expenses = 35% of remaining, Final savings = Rs. 1,62,435.

=> Let the Monthly Income be 'x'.

=> Amount left after Rent = x − 30% of x = 0.70x

=> Amount left after Food = 0.70x × (100 − 15)% = 0.70x × 0.85 = 0.595x

=> Amount left after Other expenses = 0.595x × (100 − 35)% = 0.595x × 0.65

=> 0.38675x = 1,62,435

=> x = 1,62,435 ÷ 0.38675

YourMockTest.com — Free Study Material

=> x = 4,20,000

Therefore The correct answer is Rs. 4,20,000.

Additional Information

Successive Percentage Change

When values change on the remaining balance, we use the formula: Final = Initial × (1 ± r1/100) × (1 ± r2/100) × ...

Percentage to Fraction Conversion

Simplifying 30% = 3/10, 15% = 3/20, and 35% = 7/20 can make manual calculations faster by using ratio units.

Base Change Rule

Always identify the base of the percentage. If it's of the 'total', add percentages directly; if it's of the 'remaining', multiply them successively.

Q71. Answer: (a) 8.25

Given:

The radius of a circle is 21 cm.

Formula used:

The length of the arc will be,

(θ\360) × 2 × π × r

Calculation:

The length of the arc will be,

=> (22.5\360) × 2 × 22/7 × 21 = 8.25

Therefore The correct option is 1

Q72. Answer: (a) 924.5

Given:

The area of a triangle is half the area of a square.

The perimeter of the square is 172 cm.

Formula used:

The perimeter of the square = 4 × side

Area of the square = side²

Calculation:

As per the question,

=> 4 × side = 172

Side = 172 / 4

=> 43 cm

Area of the square is, 43^2 = 1849 cm2

Area of the square is, 1849 / 2 = 924.5 cm2

Therefore The correct option is 1

Q73. Answer: (b) 18.54%

Given:

A man invested Rs. 25,400, time = 9 years, obtain a total amount= Rs. 67,790

Formula used:

Simple interest = P × R × T / 100 [P = principal, R = rate of interest, T = time]

Calculation:

Rate of interest is = R

The simple interest got by the person is

=> 67790 - 25400 = 42390

As per the formula,

=> 42390 = 25400 × 9 × R / 100

=> R = 18.54 %

Therefore The correct option is 2

Q74. Answer: (a) 558.33

Calculation:

The average number of students per college in commerce, (2200 + 2400 + 2250 + 3250)/ 4 = 2525

The average number of students per stream in college 2 ,(1800 + 1700 +2400) = 1966.67

The difference will be 2525 - 1966.67 = 558.3

Therefore The correct option is 1

Q75. Answer: (c) 352

Given:

2x + 3y = 4 and 4x2 + 9y2 = 64,

Formula used:

$(a + b)^3 = a^3 + b^3 + 3ab\ (a+b)$

Calculation:

$(2x + 3y)^2 = 4x2 + 9y2 + 12xy$

=> 16 = 64 + 12 xy

=> 12 xy = -48

=> 6xy = - 24

8x3 + 27y3.= (2x + 3y) (4x2 + 9y2 - 6xy)

=> 4 × (64+24)

=> 4 × 88

= 352

Therefore The correct option is 3

Q76. Answer: (a) CADB

The correct answer is "CADB."

Key Points

• The sentence follows the subject-verb-Object (SVO) structure.

• "The doctor" is the subject, and "concluded" is the verb. So the first part must be C.

• "That further treatment" is the first part of the object. So, it must be A.

• The phrase "that further treatment" serves as a subordinating conjunction, connecting the doctor's conclusion to the statement about uselessness.

• The word "useless" is an adjective modifying the noun "treatment." So the last part must be the pair DB.

• The correct answer is option 1.

Correct sentence: The doctor concluded that further treatment would be useless.

Q77. Answer: (a) Outdated

The solution is in Hindi. Read it online.

Q78. Answer: (a) prudent

The solution is in Hindi. Read it online.

Q79. Answer: (b) than my friends invited

The correct answer is "than my friends invited."

Key Points

• The correct conjunction to use after "No sooner had I finished my final exam" is "than," not "then" or "that."

• In this sentence, "than" is used to contrast the completion of the exam with the invitation to the trip.

• The sentence structure is "No sooner + auxiliary verb + subject + verb + than + subject + verb."

• Example: No sooner had she left the house than it started raining.

• The correct answer is Option 2.

Correct sentence: No sooner had I finished my final exam than my friends invited me to join them on a trip to Europe.

Q80. Answer: (c) poor

Here, the erroneous part is "poor."

Key Points

YourMockTest.com — Free Study Material

• The sentence "The rich should help poor" contains a grammatical error.

• In the corrected version, the definite article "the" is used before the noun "poor" to indicate a specific group of people, making the sentence grammatically correct.

• The error is in option 3 because 'poor' should be replaced with 'the poor' to make a complete sentence.

• The correct answer is Option 3.

Correct sentence: The rich should help the poor.

Q81. Answer: (b) The peon rings the bell.

The correct answer is "The peon rings the bell."

Key Points

• The given sentence is in Passive Voice and Simple Present tense.

• As per the given question, we have to change it into Active Voice.

• The structure of the given sentence is as follows:

• Subject (objective case)+ is/am/were + V3 + Object (subjective case). (Passive Voice)

• Subject + V1(s/es)+ Object. (Active Voice)

• Example:

• Their cousin show them some rare photographs. (Active Voice)

• They are shown some rare photographs by their cousin. (Passive Voice)

• The subject of the given sentence is 'bell' and the object is 'peon.'

• The subject will be put in place of the object and the object will be put in place of the subject.

• 'Is rung' will be changed into 'rings.'

• Therefore, the correct answer is 'Option 2.'

Correct sentence: The peon rings the bell.

Q82. Answer: (a) announcement; grabbed

The solution is in Hindi. Read it online.

Q83. Answer: (d) close shave

The solution is in Hindi. Read it online.

Q84. Answer: (d) Ingenious

The solution is in Hindi. Read it online.

Q85. Answer: (b) nothing else

The correct answer is "nothing else."

Key Points

• "Nothing else" is a suitable substitute for "nothing" in the given sentence.

• This phrase means that there is nothing in addition to pride, emphasizing the singular focus on that emotion.

• The use of "else" implies that there are other possibilities, but in this case, there are none.

• The sentence structure is grammatically correct, with "nothing" being the subject and "else" serving as an adverb modifying it.

• The correct answer is Option 2,

Additional Information

• Option 1, "nothing ever," does not convey the same meaning as the original sentence, as it implies a sense of time rather than exclusivity.

• Option 3, "nothing seldom," is a grammatically incorrect phrase, as "seldom" is an adverb and cannot be used to modify "nothing."

• Option 4, "nothing so," is also grammatically incorrect, as "so" requires a comparison to something else (e.g. "nothing so beautiful as a sunset").

Q86. Answer: (c) contaminated

The solution is in Hindi. Read it online.

Q87. Answer: (c) Dilapidated

The solution is in Hindi. Read it online.

YourMockTest.com – Free Study Material

Q88. Answer: (b) DEBCA

The correct answer is "DEBCA."

Key Points

• The sentence talks about the recommendation of the theater management for the audience.

• Part D introduces the subject + verb "The theater management recommends" to the sentence. So, this must be the first part.

• The next part is the pair EB as it introduces the relative clause with "that the audience should be there."

• The next part is the object of the sentence, i.e. the pair CA.

• The correct answer is Option 2.

• Correct sentence:

The theater management recommends (D) that the audience (E) should be there (B) at least fifteen minutes (C) before the movie starts (A).

Q89. Answer: (a) enchanting

The solution is in Hindi. Read it online.

Q90. Answer: (b) Abnormality

The solution is in Hindi. Read it online.

Q91. Answer: (d) Ambience

The solution is in Hindi. Read it online.

Q92. Answer: (d) PQRS

The correct answer is "PQRS."

Key Points

• Part P introduces the subject (The research paper analyses) to the sentence. So, this must be the first part.

• The next part is the pair QR as it introduces the next part with "the relationship between diet and (Q) disease and the importance of."

• The next part is the object of the sentence, i.e. the part S.

• The sentence follows the logical order of presenting the subject first, followed by the action (analysis) and then the object (relationship between diet and disease and the importance of exercise in maintaining good health).

• The correct answer is Option 4.

• Correct sentence:

The research paper analyses (P) the relationship between diet and (Q) disease and the importance of (R) exercise in maintaining good health (S).

Q93. Answer: (a) dilapidated

The solution is in Hindi. Read it online.

Q94. Answer: (c) Was fish out of water

The solution is in Hindi. Read it online.

Q95. Answer: (c) I was laughed at by Ramya.

The correct answer is "I was laughed at by Ramya."

Key Points

• The given sentence is in Active Voice. As per the given question we have to change it into Passive Voice.

• The structure of the given sentence is as follows:

• Subject + V2 + Object. (Active Voice)

• Subject (objective case)+ was/were + V3 + Object (subjective case). (Passive Voice)

• Example:

• Their cousin showed them some rare photographs. (Active Voice)

• They were shown some rare photographs by their cousin. (Passive Voice)

• The subject of the given sentence is 'Ramya.'

• The object of the given sentence is 'me.'

• The subject will be put in place of the object and the object will be put in place of the subject.

• 'Laughed' will be changed into 'was laughed'.

• "I" is a singular subject and we must use "was" with it.

• The preposition "by" is used to indicate the doer of the action in the passive voice.
• Therefore, as per the points mentioned above, we find that the correct answer is Option 3.

Correct sentence: I was laughed at by Ramya.

Q96. Answer: (b) regret

The solution is in Hindi. Read it online.

Q97. Answer: (a) lapse

The solution is in Hindi. Read it online.

Q98. Answer: (b) Had

The correct answer is "Had."

Key Points

• The question is in the past tense, as indicated by the use of "did" in the last option.
• The phrase "blank number 3" suggests that there are previous blanks that have already been filled in, meaning that the sentence is likely a complex one with multiple clauses.
• In the past perfect, the auxiliary verb is always had.
• The correct answer is Option 2.
• Correct passage:

His only regret was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable lapse, but it was now too late to make amends for it. Had he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do ____ (4) __ about it. He was unarmed. But come what may, he must __ (5) ____ of their rifle's range.

Additional Information

• The use of "had" in Option 2 indicates that the action being described in the sentence took place before another action in the past.
• The use of "has" in Option 1 would indicate a present-tense action, which does not fit the context of the question.
• The use of "have" in Option 3 would indicate a present-tense action as well, and it also does not fit the context of the question.

Q99. Answer: (d) nothing

The solution is in Hindi. Read it online.

Q100. Answer: (c) keep out

The solution is in Hindi. Read it online.

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

YourMockTest.com — Free Study Material