SSC CHSL Previous Paper 4 (Held On: 5 March 2018 Shift 2) (Previous Year Paper)

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

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

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ENGLISH LANGUAGE

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

(a) Arogance
(b) Arroganse
(c) Aroganse
(d) Arrogance

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

Cars were owned by

A – only a privileged few and

B – my class of society was

C – as yet untouched by it

(a) ABC
(b) CBA
(c) CAB
(d) BCA

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

I wondered what one would have thought some 40 years ago if you (had said) you could heat liquid using a plastic container.

(a) Having said
(b) Had say
(c) Have saying
(d) No improvement

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

At the micro level, the dialectical process of development in India (has now heading) towards another direction.

(a) Had now heading
(b) Now heading
(c) Is now heading
(d) No improvement

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

A person who lives outside his native country.

(a) Indigenous
(b) Natal

(c) Expatriate
(d) Intrinsic

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

A military or political group that rules a country after taking power by force.

(a) Junta
(b) Suffrage
(c) Emancipation
(d) Egalitarianism

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

Zip your lip

(a) Keep quiet about something
(b) To talk fast
(c) To not think before speaking
(d) The silence before a storm

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

A bone of contention.

(a) The only part to which two arguing parties agree.
(b) An issue over which there is continuing disagreement.
(c) A very expensive inherited property.
(d) To be happy with only a few things.

Directions

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

When the kerosene burned, the fuel in the tank below would be _____ pressure, and ____ a small circular flame would appear in the burner. The valve had to be opened to let more kerosene vapour to the burner and pumping resumed. With the increase in pressure, the burner flame would spread ____ a loud noise. To lower the flame, the valve had to be ____ opened to reduce the pressure and then tightened until the desired flame size was achieved. _____ you wanted the flame to be bigger, you had to hit the piston again. Pump stoves are still in vogue.

Q9. Was achieved. _____ you wanted the flame.

(a) If
(b) Nor
(c) So
(d) Thus

Q10. Had to be _____ opened to reduce

(a) Partly
(b) Some
(c) None
(d) Everything

Q11. Would spread _____ a loud noise

(a) Within
(b) With
(c) At
(d) During

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Q12. And _____ a small circular flame

(a) Slow
(b) Slowly
(c) Slower
(d) Slowest

Q13. Below would be _____ pressure

(a) Inside
(b) Into
(c) About
(d) Under

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

(a) Aggrression
(b) Aggrresion
(c) Aggression
(d) Agrresson

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

Sneha said to Arjun, “Go away.”

(a) Sneha ordered Arjun to go away.
(b) Sneha asked Arjun that he should go away
(c) Sneha say to Arjun to go away
(d) Sneha inquired Arjun to go away

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

The workers are building the house.

(a) The house was being built by the workers
(b) The house was built by the workers.
(c) The house is built by the workers.
(d) The house is being built by the workers

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

In developing countries today

P: urban health conditions

Q: than rural health conditions

R: seem to be better

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

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

Casting

(a) Erase
(b) Shape
(c) Slice
(d) Sculpt

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

Consensus

(a) Accord
(b) Discord
(c) Content
(d) Unity

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

Inference

(a) Beginning
(b) Conclusion
(c) Preparation
(d) Discovery

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

Curtail

(a) Prolong
(b) Downsize
(c) Lengthen
(d) Extend

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

The _____ of many archaic and dilatory procedures have proved to be extremely damaging to our governance and society.

(a) Caution
(b) Translation
(c) Imposition
(d) Revolution

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

That is _____ cars I know.

(a) The worst
(b) Worst
(c) Mostly worst
(d) One of the worst

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

Liquid water cannot exist on the surface of Mars as to low (1)/atmospheric pressure, which is less than 1% of Earth's, (2)/except at the lowest elevations for short periods. (3)/No error (4)

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

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

She has (1)/reduced her (2)/consumption to considerably. (3)/No error (4)

(a) 1

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

GENERAL INTELLIGENCE

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

Current : Ampere ? ? : ?

(a) Air : Kilogram
(b) Work : Joule
(c) Pressure : speed
(d) Temperature : Metre

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

14 : 16 ? 22 : ?

(a) 26
(b) 29
(c) 24
(d) 28

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

ART : BSU ? MRV : ?

(a) KFT
(b) NSW
(c) MFG
(d) NRV

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

(a) Car
(b) Cycle
(c) Tyre
(d) Truck

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

(a) 10 - 121
(b) 12 - 169
(c) 14 - 225
(d) 16 - 279

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

(a) RTVX
(b) GIKM
(c) DFIK
(d) LNPR

Q32. Arrange the given words in the sequence in which they occur in the dictionary.

1. Journey
2. Judge
3. Jingling
4. Jingle
5. Judgement

(a) 32541

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(b) 53142
(c) 43125
(d) 15342

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

11, 13, 16, 18, 21, ?

(a) 29
(b) 25
(c) 27
(d) 23

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

IM, JO, KQ, LS, ?

(a) NV
(b) MU
(c) MY
(d) NT

Q35. In a row of boys, Punit's position from the left end is 33^(rd) and Ankit's position from the right end is 25^(th). After interchanging their position, Punit's position becomes 45^(th) from the left end. How many boys are there in the row?

(a) 70
(b) 71
(c) 69
(d) 74

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

Threatened

(a) Heart
(b) Detain
(c) Treat
(d) Heated

Q37. In a certain code language, "book is tough" is written as "fu la mi", "tough can easy" is written as "fu muk po" and "easy not book" is written as "ti po la". What is the code for "tough" in that code language?

(a) mi
(b) po
(c) la
(d) fu

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

2 - 12 + 10 x 5 ÷ 12 = ?

(a) 32
(b) 8
(c) 4
(d) 14

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

1 ÷ 14 × 30 + 20 - 10 = 12

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

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Q40. If 8 * 2 = 3, 14 * 18 = -2 and 18 * 2 = 8, then find the value of 14 * 10 = ?

(a) 2
(b) 5
(c) -2
(d) 6

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

XxXXXXX, XXxXXXX, XXXxXXX, XXXXxXX, XXXXXxX, _____.

(a) xXXXXXX
(b) XxXXXXX
(c) XXXXXXx
(d) XXxXXXX

Q42. An auto-rickshaw picks a passenger and travels North 6.5 km, then it turns to its left and rides for another 1.5 km, then it turns South and rides for 2.5 km, then it turns to its left and rides 1.5 km. Where is the auto now with respect to its starting position?

(a) 9 km North
(b) 4 km South
(c) 4 km North
(d) 9 km South

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

Statement I: No bike is a two-wheeler.

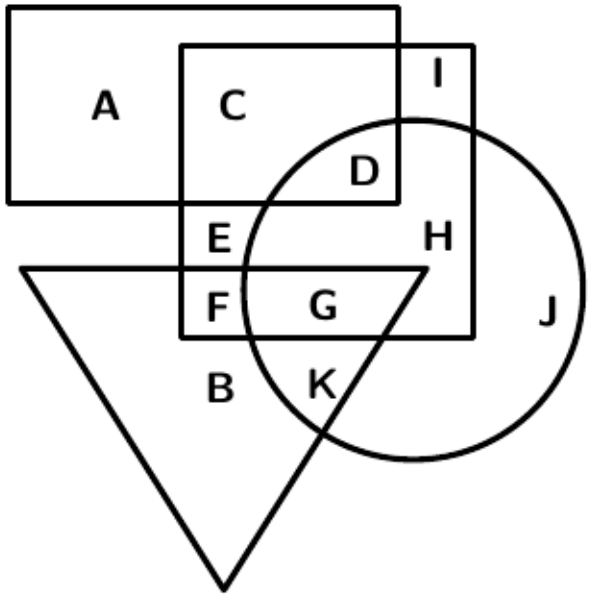
Statement II: All wheels are bikes.

Conclusion I: No two-wheeler is a wheel.

Conclusion II: All wheels are two-wheelers.

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

Q44. In the following figure, rectangle represents Physicians, circle represents floral designers, triangle represents Sculptors and square represents Americans. Which set of letters represents Americans who are either Floral designers or Sculptors?



(a) FGDH

(b) FGK
(c) FHJD
(d) GK

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

LOP, MPQ, NQR, ORS, ?

(a) QTU
(b) QST
(c) PST
(d) PTU

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

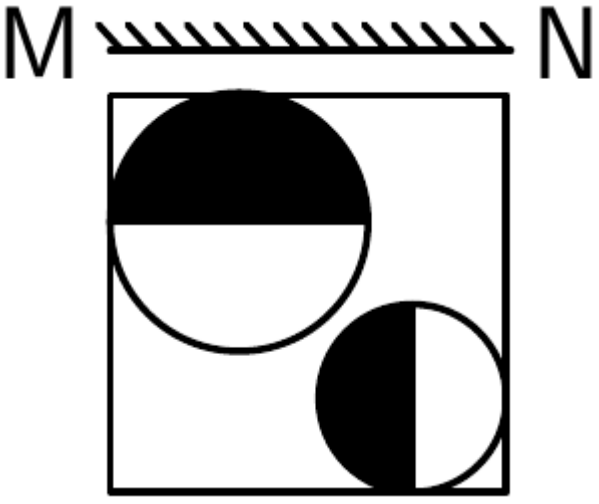
10, 12, 14, 16, 18, ?

(a) 22
(b) 24
(c) 20
(d) 26

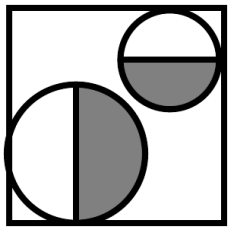
Q47. In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

(a) (2, 3, 4)
(b) (4, 5, 6)
(c) (6, 7, 8)
(d) (4, 6, 8)

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

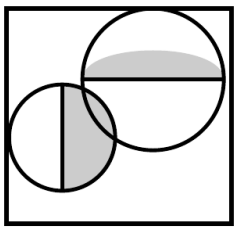


(a)

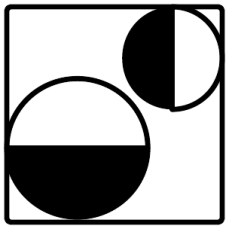


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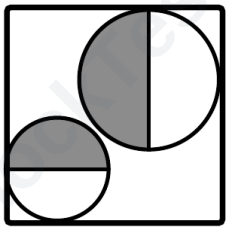
(b)



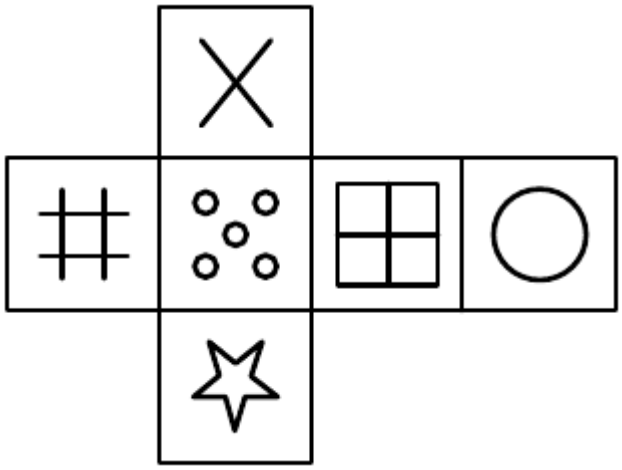
(c)



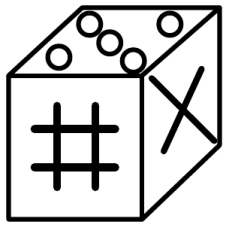
(d)



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

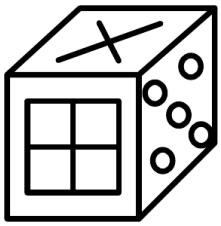


(a)

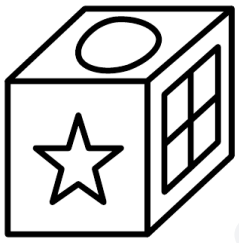


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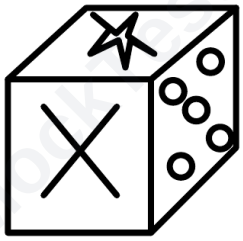
(b)



(c)



(d)



Q50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'H' can be represented by 12, 34 etc. and 'Q' can be represented by 86. similarly, you have to identify the set for the word 'BURN'.

Matrix-I		**Matrix-II**									
	0	1	2	3	4		5	6	7	8	9
0	M	J	I	J	F	5	Z	X	W	O	Z
1	B	F	H	F	B	6	R	Y	S	W	O
2	L	D	A	B	A	7	Y	P	S	W	R
3	K	C	C	D	H	8	Y	Q	R	Z	Y
4	B	F	K	I	K	9	N	Z	S	U	S

(a) 43, 69, 13, 56
(b) 30, 75, 11, 97
(c) 10, 98, 79, 95
(d) 44, 79, 11, 57

QUANTITATIVE APTITUDE

Q51. Find the common factor of (37^(57) + 43^(57)) and (37^(37) + 43^(37)).

(a) (43 - 37)
(b) (43 + 37)
(c) (37^(37) + 43^(37))
(d) (3757 + 4357)

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Q52. Calculate the value of ((61681 × 61681 - 31681 × 31681))/30000

(a) 93352
(b) 94362
(c) 93362
(d) 95362

Q53. For which value of 'g' the linear graph of 6x + 12y +9 = 0 and 2x + gy + 3 = 0 has infinite number of solutions?

(a) 3
(b) 4
(c) 6
(d) 9

Q54. What is the area (in square units) of the figure enclosed by the graphs of the lines x = -4, x = 2, y = -2 and y = 3?

(a) 12
(b) 24
(c) 30
(d) 60

Q55. AB is a chord of the circle and its center is "O". ON is perpendicular to AB. If the length of AB = 20 cm, ON = (2√11) cm, find the radius (in cm) of the circle.

(a) 10
(b) 12
(c) 13
(d) 15

Q56. The largest chord of the circle has a length of 20.4 cm. the radius of the circle will be _____.

(a) 10.2 cm
(b) Greater than 10.2 cm
(c) Greater than and equal to 10.2 cm
(d) Less than 10.2 cm

Q57. Length and breadth of a rectangle are increased by 40% and 70% respectively. What will be the percentage increase in the area of rectangle?

(a) 118
(b) 110
(c) 138
(d) 128

Q58. Rs. 6300 is divided among A, B and C in the ratio of 1/2 : 1 : 3/5. What is the share (in Rs.) of B?

(a) 3300
(b) 2700
(c) 3000
(d) 4200

Q59. U and V started a business by investing amounts Rs. 184000 and Rs. 224000 respectively. If U's share in the profit received at the end of year is Rs. 20700, then what will be the total profit (in Rs.) earned by them together?

(a) 43200
(b) 45900
(c) 52300
(d) 56400

Q60. What is the average of first 19 odd numbers?

(a) 9.5
(b) 15.5
(c) 19

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(d) 38

Q61. A sum becomes Rs. 1392 in 2 years and Rs. 1488 in 3 years at simple interest. What is the rate (in percentage) of interest per annum?

(a) 8
(b) 10
(c) 12
(d) 8.5

Q62. Selling price of a table is Rs. 2808. If profit percentage is 17%, then what is the cost price (in Rs.) of table?

(a) 2288
(b) 2300
(c) 2400
(d) 3285

Q63. The marked price of a chair is 40% more than its cost price. If the chair is sold for Rs. 520 after a discount of Rs. 40, then what will be the profit percentage?

(a) 33
(b) 40
(c) 25
(d) 30

Q64. Which of the following statement(s) is/are TRUE?

I. $2\sqrt{3} > 3\sqrt{2}$

II. $4\sqrt{2} > 2\sqrt{8}$

(a) Only I
(b) Only II
(c) Neither I nor II
(d) Both I and II

Q65. X, Y and Z can do a piece of work in 30, 40 and 50 days respectively. All three of them began the work together but Y left 4 days before completion of the work. In how many days was the work completed?

(a) 660/47
(b) 640/47
(c) 680/47
(d) 665/47

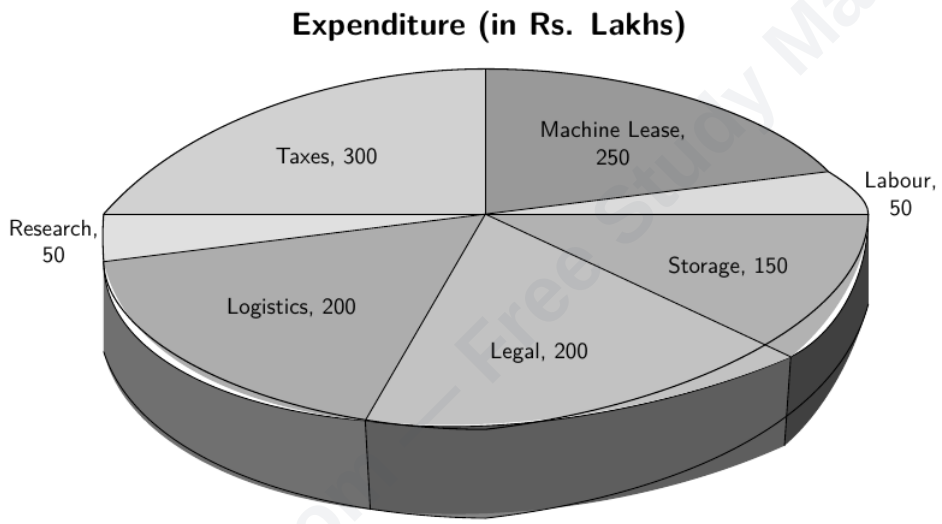
Q66. A train is moving at the speed of 72 km/hr. How many seconds will it take to cover a distance of 1400 m?

(a) 70
(b) 80
(c) 72
(d) 84

Directions

The pie chart shows the breakup of expenditure of a mining company for the year 2017. Study the diagram and answer the following questions.

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Q67. The second highest expenditure is for which item?

(a) Labour
(b) Storage
(c) Legal
(d) Machine lease

Q68. What is the total expenditure (in Rs. Lakhs)?

(a) 1200
(b) 900
(c) 1000
(d) 1100

Q69. The measure of the central angle of the sector representing machine lease is _____ degrees.

(a) 70
(b) 75
(c) 80
(d) 90

Q70. Expenditure on Labour and Research constitute what percent of total expenditure?

(a) 10%
(b) 12%
(c) 7.5%
(d) 8.33%

Q71. The length of the diagonal and the breadth of a rectangle are 17 cm and 8 cm respectively. Find its perimeter (in cm).

(a) 92
(b) 46
(c) 42
(d) 84

Q72. The area of a semicircle is 1925 cm^2. Calculate its perimeter (in cm).

(a) 360
(b) 80
(c) 160
(d) 180

Q73. The surface area of a sphere is 5544 cm². Find its diameter (in cm).

(a) 42
(b) 21
(c) 84
(d) 63

Q74. ΔABC is right angled at B. If mangle A = 45°, then find the value of (cosec C + 1/√3).

(a) (3√2 + 1)/3
(b) (2 + √3)/2
(c) 5/√3
(d) (√6 + 1)/√3

Q75. In ΔUVW measure of angle V is 90°. If Cosec U = 13/12, and UV = 2.5cm, then what is the length (in cm) of side VW?

(a) 6.5
(b) 6
(c) 4
(d) 5.6

GENERAL AWARENESS

Q76. In which of the following types of economy are the factors of production owned individually?

(a) Capitalist
(b) Socialist
(c) Mixed
(d) Both capitalist and Socialist

Q77. Which committee was set up to review the concept of the poverty line?

(a) S Tendulkar Committee
(b) Lakdawala Committee
(c) Wanchoo Committee
(d) Dutt Committee

Q78. Which of the following places presents the oldest evidence of Neolithic Era?

(a) Chirnd
(b) Mehrgarh
(c) Burzahom
(d) Daimabad

Q79. Which mosque is considered to be the style of Bengal style in Agra?

(a) Nagina Masjid
(b) Moti masjid
(c) Jama masjid
(d) Badshahi masjid

Q80. According to the distance of planets from the Sun, which of the following order is correct?

(a) Mercury, Venus, Earth, Mars
(b) Mercury, Earth, Mars, Venus
(c) Mercury, Mars, Earth, Venus
(d) Mercury, Mars, Venus, Earth

Q81. How many states of India have sea-shore?

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

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(d) 10

Q82. Amir Khusrow was the disciple of whom?

(a) Mirza Ghiyas Beg
(b) Nizamuddin Auliya
(c) Asadullah Beg
(d) Sheikh Salim Chisti

Q83. Which year has been set as goal for completing the Mumbai - Ahmedabad bullet train project operated with the help of Japan?

(a) 2022
(b) 2023
(c) 2024
(d) 2025

Q84. Krishna Sobti is the recipient of the 53^(rd) Jnanpith Award. Which of the following books has not been written by her?

(a) Daar se Bichhudi
(b) Mitro Marjani
(c) Zindaginama
(d) Vishw Mithok Sarit Sagar

Q85. Which of the following countries border does not touch China?

(a) Cambodia
(b) Laos
(c) Vietnam
(d) Myanmar

Q86. Rayon is obtained from which among the following?

(a) Silk
(b) Wood pulp
(c) Wool
(d) Cotton

Q87. Which of the following can be beaten and converted into thin sheets?

(a) Zinc
(b) Phosphorus
(c) Sulphur
(d) Oxygen

Q88. Prime Minister of India is de-facto head of which of the following bodies?

I. NITI Aayog
II. National Integration Council
III. Indian Board of Wildlife

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

Q89. Which type of city administration controls larger urban area?

(a) Nagar Panchayat
(b) Municipal Council
(c) Municipal Corporation
(d) No option is correct.

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Q90. Which among the following is NOT an event during the photosynthesis process?

(a) Absorption of light energy by chlorophyll
(b) Conversion of light energy to chemical energy
(c) Splitting of water molecules into hydrogen and oxygen
(d) Oxidation of carbon dioxide to carbohydrates

Q91. The smallest blood vessels which are one-cell thick, are called _____.

(a) Vena cava
(b) Arteries
(c) Veins
(d) Capillaries

Q92. In September 2017, who launched 'Pradhan Mantri LPG Panchayat Yojna'?

(a) Narendra Modi
(b) Dharmendra Pradhan
(c) Piyush Goyal
(d) R.K. Singh

Q93. What are the names of the two identical long-tailed macaques cloned by the Chinese Scientists?

(a) Long Hong and Zhua Zhua
(b) Zhong-Zhong and Hua Hua
(c) Tailong and Shanua
(d) Rongla and Shamone

Q94. India was able to achieve the fiscal deficit target for the Financial Year 2016-17. It was how much percent of GDP?

(a) 3.50%
(b) 4.20%
(c) 3.00%
(d) 2.50%

Q95. On 10 April 2017, Lok Sabha Passed the Motor Vehicles Act (Amendment) Bill, 2016. Under the new provisions, the compensation for death increased from Rs. 25,000 to _____.

(a) Rs. 2 lakh or more
(b) Rs. 5 lakh or more
(c) Rs. 10 lakh or more
(d) Rs. 15 lakh or more

Q96. Find the current (in A) when a charge of 500 Coulomb flows in 25 seconds.

(a) 12500
(b) 20
(c) 40
(d) 6250

Q97. During _____ motion of an object along a straight line, the velocity remains constant with time.

(a) Linear
(b) Translational
(c) Uniform
(d) Equilibrium

Q98. The tropical region has generally a hot climate because of its location around the _____.

(a) Poles
(b) Southern hemisphere
(c) High altitudes
(d) Equator

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Q99. Which of the statements given below is correct?

1. United Arab Emirates hosted the Badminton 2017 BWF World Senior Championships.
2. Johanna Konta won the Tennis 2017 Miami Open Women's Singles.
3. Grigor Dimitrov won the Tennis 2017 US Open Men's Singles.

(a) Only B
(b) Only C
(c) B and C
(d) A, B and C

Q100. In Microsoft word, under character formatting _____ is used to apply colours to the characters.

(a) Font style
(b) Font colour
(c) Effects
(d) Size

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (d) Arrogance

The correct answer is Arrogance.

Key Points:-

• 'Arrogance' is a word derived from the Latin word 'arrogans' meaning insolent, overbearing, presumptuous.
• Let us look at the correct spelling and meaning of the given word:-
• Arrogance*(noun)* - offensive display of superiority or self-importance; overbearing pride.
• For Example - When the guardsman rose, the arrogance was gone from his face, replaced by anger.

Therefore, the correct spelling of the given word is 'Arrogance'.

Additional Information

• Synonyms of arrogance - assumptive, bumptious, cavalier, chesty.
• Antonyms of arrogance - humble, lowly, modest, meek.

Q2. Answer: (a) ABC

Here the correct answer is ABC.

Key Points:-

• The opening sentence of the paragraph can only be A.
• It is so because the sentence is trying to convey the idea that cars were owned only by a few people and others were untouched by it.
• Firstly, The given starting sentence (i.e. Cars were owned by) talks about ownership which is only depicted by the sentence A.
• Secondly, it is obvious that C will be preceded by B.

• It is so because B cannot be the closing sentence as it is incomplete.
• Therefore, by elimination method, we find that the only option that starts with A is Option 1.

Thus, the correct answer is Option 1.

Q3. Answer: (d) No improvement

Here the correct answer is No Improvement.

Key Points:-

• The sentence is talking about something that the person had said 40 years ago i.e. a long time ago.
• Past Perfect Tense is used to express an action that has been completed(a long time ago) in the past.
• Structure - Subject + had + V3 + Object.
• For Example - He had left for U.S.A.
• Therefore, 'had said' is correct and the sentence requires no further improvement.

Thus, the correct sentence is I wondered what one would have thought some 40 years ago if you had said you could heat liquid using a plastic container.

Q4. Answer: (c) Is now heading

Here the correct answer is Is now heading.

Key Points:-

• In the above given sentence, 'is now heading' will be used because the sentence is in present continuous tense.
• According to the sentence, the development in India is currently in progress.
• Present Continuous Tense is used to express the action that is currently in progress.
• Structure of Present Continuous tense:-
• Singular - Sub + is + V_(ing) + Obj.
• For Example - He is playing cricket.
• Plural - Sub + are + V_(ing) + Obj.
• For Example - They are playing cricket.
• 'Has now heading' will not be used because present perfect tense is used to express those actions that have finished recently.
• For Example - She has bought a house.
• In the above given sentence, the action is in progress and therefore present continuous tense will be used.

Therefore, the correct sentence is 'At the micro level, the dialectical process of development in India is now heading towards another direction'.

Q5. Answer: (c) Expatriate

Here the correct answer is Expatriate.

Key Points:-

• Let us look at the meaning of the correct answer:-
• Expatriate*(adjective) -* A person who lives outside his native country.
• For Example -The writer, an expatriate living in Singapore, has studied and worked in the US.
• Synonyms - Emigrant, refugee, exiled, non-native.
• Antonyms - Resident, native, indigenous.
• Let us look at the meaning of the other options:-

WORD	MEANING
Indigenous*(adjective)*	(used about people, animals or plants) living or growing in the place where they are from originally
Natal*(adjective)*	connected with a person’s place or time of birth
Intrinsic*(adjective)*	belonging to something as part of its nature; basic

Therefore, the correct one word for the given descriptive sentence is Expatriate.

Q6. Answer: (a) Junta

Here the correct answer is Junta.

Key Points:-

• Let us look at the meaning of the correct answer:-

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• Junta*(noun)* - a group, especially of military officers, who rule a country by force.

• For Example - Armed with the newest weapons, the junta faced little to no resistance as it drove out the government.

• Let us look at the meaning of the other options:-

WORD	MEANING
Suffrage*(noun)*	the right to vote in political elections.
Emancipation*(noun)*	to free from restraint, control, or the power of another especially; to free from bondage.
Egalitarianism*(noun)*	the doctrine that all people are equal and deserve equal rights and opportunities.

Therefore, the correct one word for the given descriptive sentence is Junta.

Q7. Answer: (a) Keep quiet about something

Here the correct answer is Keep quiet about something.

Key Points:-

• Let us look at the meaning of the given idiom/phrase:-

• Zip your lip - to say nothing or stop talking:

• For Example - He's the sort of man who rarely bothers to zip his lip.

Therefore, the correct meaning of the given idiom/phrase is Keep quiet about something.

Q8. Answer: (b) An issue over which there is continuing disagreement.

Here the correct answer is An issue over which there is continuing disagreement.

Key Points:-

• Let us look at the meaning of the given idiom/phrase:-

• Bone of contention -something that two or more people argue about strongly over a long period of time.

• For Example - A serious bone of contention between the landowners and the developers was the compensation price for the land.

Therefore, the correct meaning of the given idiom/phrase is An issue over which there is continuing disagreement.

Q9. Answer: (a) If

Here the correct answer is If.

Key Points:-

• In the above given blank, 'if' will be used.

• It is so because it is a conditional sentence.

• Conditional sentences are statements discussing known factors or hypothetical situations and their consequences. Complete conditional sentences contain a conditional clause (often referred to as the if-clause) and the consequence.

• Consider the following sentences:-

• If a certain condition is true, then a particular result happens.

• I would travel around the world if I won the lottery.

• 'Nor' cannot be used because it is mostly used with neither and when used alone it should be preceded by a negative sentence which is not the case in the above given paragraph.

• 'So' and 'thus' are not apt for the given blank.

Therefore, the correct answer for the given blank is If.

Q10. Answer: (a) Partly

Here the correct answer is Partly.

Key Points:-

• In the above given blank, 'partly' will be used.

• It is so because the valve when opened can either be fully opened (which means no need of a blank between be and opened) or can be partially opened.

• 'Some, none and everything' are irrelevant for the given context.

Therefore, the correct answer for the blank is Partly.

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Q11. Answer: (b) With

Here the correct answer is With.

Key Points:-

• 'With' is a preposition which is used for different purposes.

• With meaning 'having' - We use with to mean ‘having’ or ‘possessing’.

• For Examples:-

• It’s the house with the really big gates.

• She woke with terrible toothache.

• Here in the sentence the burner flame would spread having a loud noise.

• Within - It is used to denote time or position which is inside the range or limits of a particular period of time or distance.

• For Example - My house is within a mile of the station.

• At - It is used to denote a particular position or a particular place(or time)

• For Example - I am at my house.

• During - It is used to denote a period of time in which something happens.

• For Example - I was in Delhi during the winter.

Therefore, the correct answer for the blank is With.

Additional Information

Different uses of With:-

With meaning ‘in the same place as’

With means ‘in the same place as someone or something’ or ‘accompanying’:

She arrived with her boyfriend.|

I don’t like tea with milk.

There was a free phone with the car.

With: reactions and feelings

With often follows adjectives which refer to reactions and feelings:

Are you happy with your music lessons?

The teacher got angry with them because they were behaving badly.

I’m delighted with this new jacket.

With meaning ‘using’

We use with to refer to what we use to do something:

They opened the package with a knife.

I’ll tie it with some tape to keep it closed.

He cleaned the table with a cloth he found in the kitchen.

With meaning ‘having’

We use with to mean ‘having’ or ‘possessing’:

It’s the house with the really big gates.

She woke with terrible toothache.

The Commonwealth Institute used to be a building with a very unusual roof in Kensington.

With meaning ‘because of’

Spoken English:

We use with to mean ‘because of’ or ‘as a result of’. This is especially common in speaking:

With all this work, I’d better stay in tonight.

I couldn’t sleep with the noise of the traffic.

Q12. Answer: (b) Slowly

Here the correct answer is Slowly.

Key Points:-

• In the above given blank, the adverb 'slowly' will be used.

• It is so because an adverb is a word which qualifies a verb, an adjective, an adverb itself or even a whole sentence.

• For Example - He walked slowly along the street.

• In the given sentence of the passage, 'slowly' qualifies the verb 'appear'.

• Thus, 'slowly' will be used.

• There is no comparison made in the sentence.

• Therefore, slow, slower and slowest rules out.

Thus, the correct answer for the blank is Slowly.

Q13. Answer: (d) Under

Here the correct answer is Under.

Key Points:-

• In the above given blank, the preposition 'under' will be used because in the passage it is suggested that there is pressure on fuel in the tank.

• Under is a preposition which is used to denote the position of something which is below something else and is often covered by it.

• For Example - I perform poorly under pressure, so I hate exams.

• 'Inside' is not apt for the given blank because the fuel cannot be inside the pressure.

• 'Into' cannot be used in the given blank because it denotes movement inside or middle of something.

• 'About' cannot be used in the given blank because it is used to indicate movement to a specific location, or, the subject of something written or spoken.

• Therefore, 'under' will be used in the blank.

Thus, the correct answer for the given blank is Under.

Q14. Answer: (c) Aggression

Here the correct answer is Aggression.

Key Points:-

• Let's look at the correct spelling and meaning of the marked option:-

• Aggression*(noun)* - feelings of anger or antipathy resulting in hostile or violent behaviour; readiness to attack or confront.

• For Example - His chin was jutting with aggression.

• Synonyms - hostility, belligerence, antagonism, audacity.

• Antonyms - meekness, pacifism, friendliness.

Therefore, the correct spelling of the given word is Aggression.

Q15. Answer: (a) Sneha ordered Arjun to go away.

Here the correct answer is Sneha ordered Arjun to go away.

Key Points:-

• The reported speech has a sense of order and not question or inquiry.

• It is so because Sneha is ordering Arjun that he should leave.

• Therefore, asked and inquired cannot be used in the case of ordering.

• 'Say to' cannot be used because the reported verb should be in past tense and not in present tense.

• Therefore, by elimination method we can eliminate option 2,3 and 4.

Thus, the correct indirect speech of the given sentence is Sneha ordered Arjun to go away.

Q16. Answer: (d) The house is being built by the workers

Here the correct answer is The house is being built by the workers.

Key Points:-

• When a sentence in active voice is present in present continuous tense, then we change it according to the following structure:-

• Active - is/am/are + V_(ing).

• Passive - is/am/are + being + V3.

• For Example:-

• Active - They are playing cricket.

• Passive - Cricket is being played by them in that field.

Therefore, the correct passive voice of the sentence is The house is being built by the workers.

Important Points

• Whenever we change an active voice to passive voice, we need to follow the given rules:-

• Change subject into object.

• Change object into subject.

• Always use V3 form of the verb in passive voice.

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• Use 'by' before the new object.

Q17. Answer: (a) PRQ

Here the correct answer is PRQ.

Key Points:-

• The starting sentence will be 'urban health conditions'.

• The clue is very evident.

• Comparison is between urban and rural health and the comparison starts with urban and not rural.

• It is because of the fact that 'than rural' is present in one of the phrase/sentence.

• We cannot use the sentence starting with 'than' as the starting sentence because it is used for comparison and we need an adjective degree before 'than'.

Thus, the correct sequence will be PRQ.

Q18. Answer: (a) Erase

Here the correct answer is Erase.

Key Points:-

• Let us look at the meaning of the given word:-

• Casting*(noun) -* to create or represent (something) by carving, or other shaping techniques.

• For Example - His features were chiseled, the firelight casting harsh shadows across the planes of his face.

• Let us look at the meaning of the correct answer:-

• Erase*(verb)* - rub out or remove (writing or marks).

• For Example - Graffiti had been erased from the wall.

• Let us look at the meaning of the other options:-

WORD	MEANING
Shape*(noun)*	the external form, contours, or outline of someone or something.
Slice*(noun)*	a thin, broad piece of food, such as bread, meat, or cake, cut from a larger portion.
Sculpt*(verb)*	create or represent (something) by carving, casting, or other shaping techniques.

Therefore, the correct antonym for the given word is Erase.

Q19. Answer: (b) Discord

Here the correct answer is Discord.

Key Points:-

• Let us look at the meaning of the given word:-

• Consensus*(noun)* - a general agreement.

• For Example - There is a growing consensus that the current regime has failed.

• Synonyms - Agreement, harmony, concord, concurrence.

• Antonyms - disagreement. conflict. discord, denial.

• Let us look at the meaning of the correct answer:-

• Discord*(noun)* - disagreement between people.

• For Example - A prosperous family who showed no signs of discord.

• Synonyms - strife, friction, disharmony, discordance.

• Antonyms - Concord, agreement, consensus, harmony.

• Let us look at the meaning of the other options:-

WORD	MEANING
Accord(noun)	(of a concept or fact) be harmonious or consistent with.
Content(noun)	in a state of peaceful happiness.
Unity(noun)	the state of being united or joined as a whole.

Therefore, the correct antonym for the given word is Discord.

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Q20. Answer: (b) Conclusion

Here the correct answer is Conclusion.

Key Points:-

• Let us look at the meaning of the given word:-

• Inference*(noun)* - a conclusion reached on the basis of evidence and reasoning.

• For Example - Researchers are entrusted with drawing inferences from the data.

• Synonyms - Conclusion, conjecture, deduction, reasoning.

• Antonyms - fact, proof, reality, truth.

• Let us look at the meaning of the correct answer:-

• Conclusion*(noun)* - the summing-up of an argument or text.

• For Example - Each research group came to a similar conclusion.

• Synonyms - deduction, inference, interpretation, reasoning.

• Antonyms - beginning, start.

• Let us look at the meaning of the other options:-

WORD	MEANING
Beginning*(noun)*	the point in time or space at which something begins.
Preparation*(noun)*	the point in time or space at which something begins.
Discovery*(noun)*	the action or process of discovering or being discovered.

Therefore, the correct synonym for the given word is Conclusion.

Q21. Answer: (b) Downsize

Here the correct answer is Downsize.

Key Points:-

• Let us look at the meaning of the given word:-

• Curtail*(verb)* - to make less by or as if by cutting off or away some part.

• For Example - Some school activities are being curtailed due to a lack of funds.

• Synonyms - abbreviate, abridge, cut back, dock.

• Antonyms - elongate, extend, lengthen, prolong.

• Let us look at the meaning of the correct answer:-

• Downsize*(verb)* - to reduce in size.

• For Example - They have downsized the car's engine in the new model.

• Synonyms - abate, de-escalate, decrease, dent

• Antonyms - aggrandize, amplify, augment, boost.

• Let us look at the meaning of the other options:-

WORD	MEANING
Prolong*(verb)*	to make something last longer.
Lengthen*(verb)*	to become longer or to make something longer.
Extend*(verb)*	to make something longer or larger (in space or time)

Therefore, the correct synonym for the given word is Downsize.

Q22. Answer: (c) Imposition

Here the correct answer is Imposition.

Key Points:-

• In the above given sentence, 'imposition' will be used.

• The context is saying that the practice and imposing of old fashioned ways and slow actions have affected the governance and society.

• Thus, imposition is the apt word for the blank.

• Imposition*(noun)* - a situation in which someone expects another person to do something that they do not want to do or that is not convenient.

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• For Examples:-
• I hope the drive to the airport isn't an imposition.
• Would it be too much of an imposition to ask you to pick my parents up from the airport?
• Caution*(noun)* - great care, because of possible danger
• For Example -Any advertisement that asks you to send money should be treated with caution.
• Translation*(noun)* - to change something especially language.
• For Example - He specializes in translation from Danish into English.
• Revolution*(noun)* - A great change or also means to rotate.
• For Example - The American Revolution was a great turning point in the history of America.
Therefore, the correct answer for the blank is Imposition.

Q23. Answer: (d) One of the worst

Here the correct answer is One of the worst.
Key Points:-
• In the above given sentence, 'one of the worst' will be used.
• The context talks about categorizing cars as worst.
• It is so because the sentence is talking about a comparison of multiple cars with a car which cannot be expressed by 'the worst'.
• If 'the worst' had to be used, then 'cars' would be replaced by 'car'.
• 'Worst' needs to be preceded by 'the' and still it will qualify a car and not multiple cars.
• Thus, 'worst' is also wrong.
• 'Mostly worst' is erroneous and invalid grammatically.
Therefore, the correct answer for the blank is One of the worst.

Q24. Answer: (a) 1

Here the correct answer is 1.
Key Points:-
• In the above given sentence, the error is in Part 1.
• It is so because 'as to' is used to express 'in order to'.
• In this context, it is about giving a reason for the action or phenomenon so it should be 'due to'.
• Due to is a phrase meaning because of; owing to.
• For Example - He had to withdraw due to a knee injury.
Therefore, the correct sentence is Liquid water cannot exist on the surface of Mars due to low atmospheric pressure, which is less than 1% of Earth's, except at the lowest elevations for short periods.

Q25. Answer: (c) 3

Here the correct answer is 3.
Key Points:-
• A preposition is always followed by a noun or a pronoun.
• That noun is called the object of the preposition.
• Here, 'to' cannot be used because considerably is an adverb meaning by a notably large amount or to a notably large extent; greatly.
• For Example - Things have improved considerably over the last few years.
• Note that a verb can't be the object of a preposition.
Therefore, the correct sentence is She has reduced her consumption considerably.

Q26. Answer: (b) Work : Joule

The logic used here →
Ampere is the S.I unit of Current.
Let's check each option,
1) Air: Kilogram
→ Kilogram is not the S.I unit of Air.
2) Work: Joule
→ Joule is the S.I unit of Work.

3) Pressure: Speed

→ Speed is not the S.I unit of Pressure.

4) Temperature: Metre

→ Metre is not the S.I unit of Temperature.

Hence, the correct answer is " Work: Joule ".

Q27. Answer: (c) 24

The pattern followed here is,

Second number = First number + 2

14 + 2 = 16

Similarly,

22 + 2 = 24

Hence, the correct answer is " 24 ".

Q28. Answer: (b) NSW

The pattern followed here is,

Similarly,

Hence, the correct answer is " NSW ".

Q29. Answer: (c) Tyre

Car, cycle and truck are Vehicles,

Whereas Tyre is used to make vehicles move or run on roads.

Hence, the correct answer is " Tyre ".

Q30. Answer: (d) 16 - 279

The logic followed here,

→ (First Number + 1)² = Second Number.

Let's check each option as per the logic,

1) $(10 + 1)^2 = (11)^2 = 121$

2) $(12 + 1)^2 = (13)^2 = 169$

3) $(14 + 1)^2 = (15)^2 = 225$

4) $(16 + 1)^2 = (17)^2 = 289 \neq 279$

Here, we can see that Only option 4 doesn't satisfy the logic.

Hence, the correct answer is " 16 - 279 ".

Q31. Answer: (c) DFIK

The pattern followed here is,

→ (+2) is done to each letter to get the next letter of the cluster.

Let's check each option,

1) RTVX

2) GIKM

3) DFIK

4) LNPR

Here, we can see that Only option 3 doesn't satisfy the logic.

Hence, the correct answer is " DFIK ".

Q32. Answer: (c) 43125

As per the dictionary order,

4) Jingle

3) Jingling

1) Journey

2) Judge

5) Judgement

Hence, the correct answer is " 43125 ".

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Q33. Answer: (d) 23

The pattern followed here is,

→ 2 and 3 is added alternately to get the next number of the series.

Hence, the correct answer is " 23 ".

Q34. Answer: (b) MU

The pattern followed here is,

→ (+1) is done to the first letter to get the first letter of the next cluster.

→ (+2) is done to the second letter to get the second letter of the next cluster.

Hence, the correct answer is " MU ".

Q35. Answer: (c) 69

1) Punit's position from the left end is 33^(rd),

2) and Ankit's position from the right end is 25^(th),

3) After interchanging their position, Punit's position becomes 45^(th) from the left end.

4) Total number of boys in the row: 45 + 25 - 1 = 69

Hence, there are 69 boys in the row.

Q36. Answer: (b) Detain

Let's check each option,

1) Heart: THREATENED, hence word can be formed.

2) Detain: 'I' is not present in THREATENED; hence word cannot be formed.

3) Treat: THREATENED, hence word can be formed.

4) Heated: THREATENED, hence word can be formed.

Here, we can see that only Detain can't be formed by the given word.

Hence, the correct answer is " Detain ".

Q37. Answer: (d) fu

Given codes are:-

Here, code fu is used for word tough.

Hence, the correct answer is "fu".

Q38. Answer: (d) 14

Given:-

2 - 12 + 10 x 5 ÷ 12 = ?

Signs	•	•	x	÷
Code	•	x	÷	•

After replacing signs with their code in given equation,

New equation → 2 + 12 × 10 ÷ 5 - 12 = ?

Now, after applying BODMAS rule, we get:-

2 + 12 × 2 - 12

2 + 24 - 12

26 - 12

14

Hence, the correct answer is "14".

Q39. Answer: (d) • and ÷

Given:-

1 ÷ 14 × 30 + 20 - 10 = 12

Checking options one by one by interchanging signs:-

1) - and +

1 ÷ 14 × 30 - 20 + 10 = 12

Now, after applying BODMAS rule, we get:-

1 ÷ 14 × 30 - 20 + 10 = 12
0.071 × 30 - 20 + 10 = 12
2.13 - 20 + 10 = 12
12.13 - 20 = 12
7.87 ≠ 12
L.H.S ≠ R.H.S
2) ÷ and x
1 × 14 ÷ 30 + 20 - 10 = 12
Now, after applying BODMAS rule, we get:-
1 × 14 ÷ 30 + 20 - 10 = 12
1 × 0.466 + 20 - 10 = 12
0.466 + 20 - 10 = 12
20.466 - 10 = 12
10.466 ≠ 12
L.H.S ≠ R.H.S
3) × and -
1 ÷ 14 - 30 + 20 × 10 = 12
Now, after applying BODMAS rule, we get:-
1 ÷ 14 - 30 + 20 × 10 = 12
0.071 - 30 + 20 × 10 = 12
0.071 - 30 + 200 = 12
200.071 - 30 = 12
170.071 ≠ 12
L.H.S ≠ R.H.S
4) + and ÷
1 + 14 × 30 ÷ 20 - 10 = 12
Now, after applying BODMAS rule, we get:-
1 + 14 × 30 ÷ 20 - 10 = 12
1 + 14 × 1.5 - 10 = 12
1 + 21 - 10 = 12
22 - 10 = 12
12 = 12
L.H.S = R.H.S
Hence, the correct answer is "+ and ÷ ".

Q40. Answer: (a) 2

The logic followed here is:-
8 - 2 = 6; 6 ÷ 2 => 3
14 - 18 = - 4; -4 ÷ 2 => -2
18 - 2 = 16; 16 ÷ 2 => 8
Similarly,
14 - 10 = 4; 4 ÷ 2 => 2
Hence, the correct answer is "2".

Q41. Answer: (c) XXXXXXx

The pattern followed here is:-

X	**x**	**X**	**X**	**X**	**X**	**X**
X	X	x	X	X	X	X
X	X	X	x	X	X	X
X	X	X	X	x	X	X

X	X	X	X	X	x	X
X	X	X	X	X	X	x

As can be seen clearly that the next term in the given list is XXXXXXx

Hence, the correct answer is "XXXXXXx".

Q42. Answer: (c) 4 km North

Given:-

1) An auto-rickshaw picks a passenger and travels North 6.5 km.

2) then it turns to its left and rides for another 1.5 km.

3) then it turns South and rides for 2.5 km.

4) then it turns to its left and rides 1.5 km.

5) the auto-rickshaw now with respect to its starting position.

As can be seen clearly that the auto-rickshaw is now 4 km away is in North direction with respect to its starting position.

Hence, the correct answer is "4 km North".

Q43. Answer: (a) Only conclusion I follows

The least possible Venn diagram for the given statements is as shown below:-

Conclusion

I. No two-wheeler is a wheel → Follows (all wheels are bikes and no bike is a two-wheeler)

II. All wheels are two-wheelers → Doesn't follow (Direct relation not established between Wheels and two-wheelers)

Hence, the correct answer is "Only conclusion I follows".

Q44. Answer: (a) FGDH

The shaded part represents Americans who are either Floral designers or Sculptors

Rectangle represents Physicians: A, C and D

Circle represents floral designers: D, G, H, K, and J

Triangle represents sculptors: F, G, B, and K

Square represents Americans: C, E, F, G, D, H and I

Set of letters represents Americans who are either floral designers or Sculptors are letters in Square and common with Triangle or Circle, which is FGDH.

Hence, the correct answer is "FGDH".

Q45. Answer: (c) PST

The pattern followed here is:-

Hence, the correct answer is "PST".

Q46. Answer: (c) 20

The pattern followed here is:-

Hence, the correct answer is "20".

Q47. Answer: (d) (4, 6, 8)

The logic followed here is:-

(First number + 1) = Second number; (Second number + 1) = Third number

In (2, 3, 4)

2 + 1 = 3; 3 + 1 = 4

In (4, 5, 6)

4 + 1 = 5; 5 + 1 = 6

In (6, 7, 8)

6 + 1 = 7; 7 + 1 = 8

In (4, 6, 8)

4 + 2 = 6; 6 + 2 = 8

Hence, the correct answer is "(4, 6, 8)".

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Q48. Answer: (c) [figure]

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

Hence, the correct answer is "Option 3".

Q49. Answer: (d) [figure]

The arrow drawn in the given figure indicate the opposite faces of cube:

In Option figure (1):-

No opposite faces of a cube are present together. So, cube can be formed.

In Option figure (2):-

No opposite faces of a cube are present together. So, cube can be formed.

In Option figure (3):-

No opposite faces of a cube are present together. So, cube can be formed.

In Option figure (4):-

Opposite faces of cube i.e. star and cross are present together. So, cube cannot be formed.

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

Q50. Answer: (c) 10, 98, 79, 95

The Pattern followed here is:-

A letter in the matrices is represented first by its row and then by its column.

Checking option one by one to identify the set for the word ‘BURN’.

1) 43 → I ; 69 → O ; 13 → F ; 56 → X (so, the letter formed is IOFX)

2) 30 → K ; 75 → Y ; 11 → F ; 97 → S (so, the letter formed is KYFS)

3) 10 → B ; 98 → U ; 79 → R ; 95 → N (so, the letter formed is BURN)

4) 44 → K ; 79 → R ; 11 → F ; 57 → W (so, the letter formed is IOFX)

Hence, the correct answer is "10, 98, 79, 95".

Q51. Answer: (b) (43 + 37)

Given:-

(3757 + 4357) and (3737 + 4337).

Concept used:-

We know that if n is odd then, $(x^n + a^n)$ is always divisible by (x + a)

Calculation:-

So, (37^(57) + 43^(57)) is divisible by (37 + 43) and (37^(37) + 43^(37)) is also divisible by (37 + 43)

Therefore (37 + 43) is the common factor.

Q52. Answer: (c) 93362

Given:-

((61681 × 61681 - 31681 × 31681))/30000

Formula used:-

$(A + B)(A - B) = A^2 - B^2$

Calculation:-

=> ((61681 × 61681 - 31681 × 31681))/30000

=> $((61681^2 - 31681^2))/30000$

=> ((61681 + 31681) × (61681 - 31681))/30000

=> (93362 × 30000) /30000

=> 93362

Q53. Answer: (b) 4

Given:-

The linear graph of 6x + 12y +9 = 0 and 2x + gy + 3 = 0 has infinite number of solutions

Concept used :-

For 2 linear equation in 2 variable, ie a1x + b1x + c1 = 0 and a2x + b2y + c2 = 0 to have an infinite solution the ratio of the corresponding coefficient are equal

a1/a2 = b1/b2 = c1/c2

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Calculation:-

For 2 linear equation in 2 variable, ie a1x + b1x + c1 = 0 and a2x + b2y + c2 = 0 to have an infinite solution the ratio of the corresponding coefficient are equal

=> a1/a2 = b1/b2 = c1/c2

According to the question,

=> 6/2 = 12/g

Therefore g = 4

Q54. Answer: (c) 30

The area (in square units) of the figure enclosed by the graphs of the lines is rectangle.

Length of the rectangle = 6 units (x = 4 + 2)

And breadth of the rectangle = 5 units (y = 3 + 2)

Hence, Area = 5 × 6 = 30 unit²

Q55. Answer: (b) 12

Detailed solution:-

As, perpendicular from the centre bisects the chord so as ON is perpendicular to AB

AN = AB/2 = 20/2 = 10 cm

And, ON = 2√11 cm

Now, triangle ONA is a right angled triangle, right angle at N

So, OA = √(ON² + AN²) = √{(10)² + (2√11)²} = √144 = 12 cm

Therefore Radius of circle is 12 cm

Q56. Answer: (a) 10.2 cm

As, the largest chord of a circle is its diameter

=> Diameter = 20.4 cm

Therefore Radius = diameter/2 = 20.4/2 = 10.2 cm

Q57. Answer: (c) 138

Given:

Length increased by 40%

Breadth increased by 70%

Formula used:

Percentage = (value/total value) × 100

Calculation:

Let Length and breadth of rectangle be a and b respectively

Initial area = length × Breadth = ab

New length = a + 40% of a

=> 1.4a

New breadth = b + 70% of b

=> 1.7b

New area = (1.4a) × (1.7b)

=> 2.38ab

Required % = {(2.38ab – ab/ab} × 100

=> 138%

Therefore The percentage increase in the area of rectangle is 138%

Q58. Answer: (c) 3000

Given :-

Rs. 6300 is divided among A, B, and C in the ratio of 1/2: 1 : 3/5.

Formula used:-

The share of B = (B × Total amount) / (A+B+C)

Calculation:-

Ratio of share between A, B and C = (1/2) : 1 : (3/5) = 5 : 10 : 6

Therefore B's share = {10/(5 + 10 + 6)} × total amount = (10/21) × 6300 = 3000

Q59. Answer: (b) 45900

Ratio of profit = (investment × time) of U : (investment × time) of V

Ratio of profit = (184000 × 1) : (224000 × 1) = 23 : 28

U's share in profit = {23/(23 + 28)} × Total profit = (23/51) × total profit

According to the question,

(23/51) × total profit = 20700

Therefore Total profit = 20700 × (51/23) = 45900

Q60. Answer: (c) 19

Formula used:

Sum of first n odd number = n^2

Average = Sum of observation/Number of observation

Calculation:

=> Sum of first 19 odd number = 19^2 = 361

Now,

Therefore Average = 361/19 = 19

Q61. Answer: (a) 8

GIVEN:

Principal becomes Rs. 1392 in 2 years and Rs. 1488 in 3 years.

FORMULA USED:

SI = P × R × T / 100

Principal = Amount – Interest

CALCULATION:

Let the rate of interest be r

Amount in 2 years = Rs. 1392

Amount in 3 years = Rs. 1488

Simple interest in one year = 1488 – 1392 = Rs. 96

Simple interest in two years = 2 × 96 = Rs. 192

Now,

Principal = Amount – Interest = 1392 – 192 = Rs. 1200

So, Simple interest = (1200 × 2 × r)/100 = 24r

According to the question,

=> 192 = 24r

Therefore r = 8%

Q62. Answer: (c) 2400

Let cost price be x

Selling price = Rs. 2808

Profit % = {(selling price – cost price)/Cost price} × 100 = {(2808 – x)/x} × 100

According to the question,

=> 17 = {(2808 – x)/x} × 100

=> 0.17x = 2808 – x

=> 1.17x = 2808

=> x = 2400

Therefore Cost price is Rs. 2400

Q63. Answer: (d) 30

Let the cost price be Rs. x

Marked price = x + 40% of x = Rs. 1.4x

Discount = 40

Selling price = 1.4x – 40

According to the question,
=> 1.4x – 40 = 520
=> 1.4x = 560
=> x = 400
=> Cost price = Rs. 400
Therefore Profit % = {(selling price – cost price)/Cost price} × 100 = {(520 – 400)/400} × 100 = 30%

Q64. Answer: (c) Neither I nor II

Statement I:
$2\sqrt{3} > 3\sqrt{2}$
To Check either above given relation is correct or not, simplifying by squaring on both the sides.
$\Rightarrow (2\sqrt{3})^2 > (3\sqrt{2})^2$
=> 12 > 18 which is not true, as we know that 18 is greater than 12.
So, the given relation in statement I is not true.
Statement II:
Now, simplifying the values given in statement II
(Note: $2\sqrt{8} = 2\sqrt{(4 \times 2)} = 4\sqrt{2}$)
$4\sqrt{2} > 2\sqrt{8}$ on taking the square root from the right hand side.
$\Rightarrow 4\sqrt{2} > 2 \times 2\sqrt{2}$
$\Rightarrow 4\sqrt{2} > 4\sqrt{2}$ which is not true, as the the value on left hand side is equal to the value on right hand side.
So, the given relation in statement II is also not true.
Therefore Neither statement I nor statement II is true.

Q65. Answer: (a) 660/47

Given:
X, Y and Z can do a piece of work in 30, 40 and 50 days respectively.
Y left 4 days before completion.
Concept used:
If one can complete a work in w days then work done by him per day = 1/w
Calculation:
Work done by X in one day = 1/30
Work done by Y in one day = 1/40
Work done by Z in one day = 1/50
As, Y left 4 days before completion so only X and Y worked for 4 days
Work done by (X + Y + Z) in one day = (1/30) + (1/40) + (1/50) = 47/600
Work done by (X + Z) in one day = (1/30) + (1/50) = 32/600
Work done by (X + Z) in four day = (32/600) × 4 = 128/600
Remaining work = 1 – (128/600) = 472/600
Time taken by (X + Y + Z) to complete the remaining work = (472/600)/(47/600) = 472/47
Therefore Total time = (472/47) + 4 = 660/47
Total work = LCM of [30, 40, 50] = 600
Work done by X in one day = 600/30 = 20
Work done by Y in one day = 600/40 = 15
Work done by Z in one day = 600/50 = 12
As, Y left 4 days before completion.
Therefore For the last 4 days only X and Z worked.
Work done in that period = (20 + 12) × 4 = 128
Work done by 3 of them together = 600 - 128 = 472
Work done by 3 of them together in one day = 20 + 15 + 12 = 47
Time taken = 472/47 days
Total time taken = 472/47 + 4 = 660/47 days.

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Q66. Answer: (a) 70

Speed of train = 72 km/hr = 72 × (5/18) m/sec = 20 m/sec

Distance to be covered = 1400 m

Now,

Speed = Distance/time

Therefore Time = Distance/speed = 1400/20 = 70 seconds

Q67. Answer: (d) Machine lease

According to the graph, the second highest expenditure is in Machine lease with an expenditure of 250 lakhs

Q68. Answer: (a) 1200

Therefore Total expenditure = 300 + 250 + 50 + 150 + 200 + 200 + 50 = 1200 lakhs

Q69. Answer: (b) 75

Expenditure in Machine lease = 250

Total expenditure = 1200

Therefore Central angle = (250/1200) × 360° = 75°

Q70. Answer: (d) 8.33%

Expenditure on Labour and research = 50 + 50 =100 lakhs

Total expenditure = 1200 lakhs

Therefore Required % = (100/1200) × 100 = 8.33%

Q71. Answer: (b) 46

As, each angle of a rectangle is 90°

Length = $\sqrt{\{(\text{diagonal})^2 – (\text{breadth})^2\}} = \sqrt{\{(17)^2 – (8)^2\}} = 15$ cm

Now,

Therefore Perimeter of a rectangle = 2(length + breadth) = 2(15 + 8) = 46 cm

Q72. Answer: (d) 180

Area of semicircle = (1/2) × π × Radius²

=> 1925 = (1/2) × (22/7) × Radius²

=> Radius² = 1225

=> Radius = 35

Now,

Therefore Perimeter = (π + 2) × radius = {(22/7) + 2} × 35 = 180 cm

Q73. Answer: (a) 42

Surface area of a sphere = 4 × π × Radius²

=> 5544 = 4 × (22/7) × Radius²

=> Radius² = 441

=> Radius = 21

Now,

Therefore Diameter = 2 × Radius = 2 × 21 = 42 cm

Q74. Answer: (d) (√6 + 1)/√3

As, mangle B = 90° and mangle A = 45°

By angle sum property,

mangle C = 180° – (mangle A + mangle B) = 180° – (90° + 45°) = 45°

Now,

Therefore cosec C + (1/√3) = cosec45° + (1/√3) = √2 + (1/√3) = (√6 + 1)/√3

Q75. Answer: (b) 6

As,

cosec U = 13/12

=> UW/VW = 13/12

=> UW = 13k and VW = 12k

Now, in a right angle triangle by Pythagoras theorem,

$UV^2 + VW^2 = UW^2$

$=> (2.5)^2 + (12k)^2 = (13k)^2$

$=> 6.25 + 144k^2 = 169k^2$

$=> 25k^2 = 6.25$

$=> k^2 = 0.25$

=> k = 0.5

Now,

Therefore VW = 12k = 12 × 0.5 = 6 cm

Q76. Answer: (a) Capitalist

The correct answer is Capitalist.

Key Points

• In a Capitalist economy, the factors of production are individually owned and can be used in a manner which the owner thinks fit.

• But sometimes government can put some restrictions on public welfare.

• While in a Socialist economy, collective ownership exists and in a mixed economy, the factors of production are owned by both individuals and governments.

Q77. Answer: (a) S Tendulkar Committee

The correct answer is S Tendulkar Committee.

Key Points

• The current estimations of poverty are based upon the recommendations of the S Tendulkar Committee.

• It was formed in 2005 and strongly recommended to shift away from a calorie-based model.

• The cost of living was adopted as the basis for identifying poverty.

Additional Information

Lakdawala Committee-

• Planning Commission in September 1989 appointed D.T.Lakadwala Committee. The committee submitted its report in January 1993.

• The Lakadwala committee used the Alagh committee's method but it declared separate poverty lines for each state, rural as well as urban.

• The committee used the Uniform Recall Period method.

• The government used this method from 1997 to 2011 for the measurement of poverty.

Wanchoo Committee

• It is also known as the 'Direct Taxes Enquiry Committee'.

• It was set up under the leadership of Niranjan Nath Wanchoo.

• He was a senior civil servant and Governor of Kerala and Madhya Pradesh.

• The Committee recommended that fiscal and financial resources should be spent to develop all backward areas.

Dutt Committee

• It is also known as the 'Industrial Licensing Policy Inquiry Committee'.

• It was set up under Mr Subimal Dutt.

• The purpose of the commission was to enquire into the working of the licensing system in India.

• Some of the recommendations of the Committee were

• Larger industrial houses should be given licenses for setting up industry in core and heavy investment sectors.

• A monopolies commission should be established to deal with the problems of economic power.

Q78. Answer: (b) Mehrgarh

The correct answer is Mehrgarh.

Key Points

• Mehrgarh (6500 to 5500 BC) is one of the oldest Neolithic sites in South Asia.

• It began during the Pre-Harappan period.

• It is located near the Bolan Pass on the Kacchi Plain of Balochistan, Pakistan.

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• It is one of the earliest sites with evidence of farming and herding.
• Women and men learnt to grow barley and wheat, and rear sheep and goats.
• Remains of square or rectangular houses were found at the site.
• These people believe in life after death, this was visible from the burials which were found at the site.
• Mehrgarh was also a centre of manufacture for various figures and pottery that were distributed to surrounding regions.

Additional Information

• Burzahom is a Neolithic site in the district of Srinagar, India.
• The site is a unique comprehensive storyteller of life between 3000 BCE to 1000 BCE.
• It is a UNESCO world heritage centre.
• Dalmabad is a Chalcolithic or copper age site (2200-1000 BCE) on the left bank of river Pravara, a tributary of Godawari in the Ahmednagar district of Maharashtra.
• The site was discovered by archaeologist BP Bopardikar in 1956.
• One of the most significant discoveries from this site is the Dalmabad man, a bronze sculpture of a man riding a chariot drawn by a bull.

Q79. Answer: (a) Nagina Masjid

The correct answer is Nagina Masjid:

Key Points

• Nagina Masjid which was built in Bengal style is situated in Agra Fort. It was built by Mughal emperor Shah Jahan around 1631-1640 AD. It is also known as the Gem Mosque or the Jewel Mosque.
• Moti Masjid is a white marble mosque inside the Red Fort complex in Delhi.
• Jama Masjid is also in Delhi and is one of the largest mosques in India.
• Badshahi Mosque is a Mughal-era mosque in Lahore, Pakistan.

Additional InformationMoti Masjid -

• A historical landmark, Moti Masjid bears a stark resemblance to New Delhi’s Jama Masjid.
• It was built by Sikander Begum, then ruler of Bhopal, in 1860.
• Sikander Begum was an incredibly progressive and forward-thinking woman of her time, who commissioned roads, bridges and other monuments like the Moti Masjid to be built in Bhopal.

Jama Masjid (Agra)

• Jama Masjid is located just opposite the Agra fort.
• It was dedicated to his daughter, Jahanara Begum.
• Jama Masjid is also known as the 'Friday mosques'.
• Jama Masjid is one of the largest mosques in India.
• The Jama Masjid is built mainly of red sandstone and white marble that stand as a testimony to the magnificent Mughal architecture.
• It has a fountain at the centre and is supported by four kiosks in the courtyard.
• The interior walls have scriptures in the Persian style praising Shah Jahan and Jahan Ara.
• The inlaid panels of work here are quite similar to that of the Taj Mahal and are common to all the monuments and structures built by the Mughals in Agra.
• The Tomb of Salim Chisti is a part of the mosque compound.

Badshahi Mosque:

• The Badshahi Mosque was constructed by the Mughal emperor Aurangzeb between 1671 and 1673.
• It was the largest mosque in the world from 1673 to 1986.
• The mosque is an important example of Mughal architecture.
• Its exterior is decorated with carved red sandstone with marble inlay.
• It remains the largest mosque of the Mughal era and is the third-largest mosque in Pakistan.

Q80. Answer: (a) Mercury, Venus, Earth, Mars

The correct answer is Mercury, Venus, Earth, Mars.

Key Points

• The order of the planets in the solar system, starting nearest the sun and working outward is the following:
• Mercury
• Venus

• Earth
• Mars
• Jupiter
• Saturn
• Uranus
• Neptune
• The Solar System is made up of Sun and everything that orbits around it including planets, moons, asteroids, comets and meteoroids.

Additional Information

• The Sun The sun is in the centre of the solar system.
• It is huge and made up of extremely hot gases.
• It provides the pulling force that binds the solar system.
• The sun is the ultimate source of heat and light for the solar system.
• But that tremendous heat is not felt so much by us because despite being our nearest star, it is far away from us.
• The sun is about 150 million km away from the earth.
• The inner planets get more heat and energy from the Sun, so they are warmer than the outer planets.
• The outer planets are comparatively colder as they receive less energy from the Sun due to large distances.
• The Solar System contains 8 planets:

Inner or Terrestrial planets	**1. Mercury 2. Venus 3. Earth 4. Mars**
Outer Planets or Jovian planets	1. Jupiter 2. Saturn 3. Uranus 4. Neptune

Shortcut Trick

My Very Excited Mother Just Served Us Nachos

• M → Mercury, V → Venus, E → Earth, M → Mars, J → Jupiter, S → Saturn, U → Uranus, N → Neptune

Q81. Answer: (c) 9

The correct answer is 9

Key Points

• There are 9 Indian states that have sea-shore and they are Gujarat, Maharashtra, Karnataka, Goa, Kerala, Tamil Nadu, Andhra Pradesh, Odisha, and West Bengal.
• The Four coastal Union Territories are Puducherry, Lakshadweep, Daman & Diu, and Andaman & Nicobar Islands.
• Gujrat has the largest coastline.
• The total coastline of India is 7517 km.

Q82. Answer: (b) Nizamuddin Auliya

The correct answer is Nizamuddin Auliya

Key Points

• Amir Khusrow was a mystic and a spiritual disciple of Nizamuddin Auliya of Delhi.
• He is also known as the "father of qawwali". His poetry was primarily in Persian.
• He was the originator of the Khayal and Tarana styles of music.

Q83. Answer: (b) 2023

The correct answer is 2023.

Key Points

• Mumbai - Ahmedabad Bullet Train Project:-
• The year 2023 has been set as a goal for completing the Mumbai-Ahmedabad bullet train project.
• It is a 508 km-long Mumbai to Ahmedabad High-Speed Rail (MAHSR) project.
• The overall budget of this project is Rs. 1,10,000 crore, out of which The Japan International Cooperation Agency (JICA) will provide a loan of Rs. 88,000 crores at a low rate of interest of 0.1% per annum.

Q84. Answer: (d) Vishw Mithok Sarit Sagar

The correct answer is Vishw Mithok Sarit Sagar.

Key Points

• Krishna Sobti is a Hindi fiction writer and essayist and for her contribution to Indian literature,

• She has received Jnanpith Award in 2017. She has also received the Sahitya Akademi Award in 1980 for her novel Zindaginama.

• Her other novels include Mitro Marajani, Samay Sargam, Daar Se Bichchuri, Surajmukhi Andhere Ke, and Yaaron Ke Yaar. While Vishw Mithok Sarit Sagar is written by Ramesh Kuntal Megh.

Important Points

Jnanpith Award

• Jnanpith Award is the oldest and the highest Indian literary award presented annually by the Bharatiya Jnanpith organization.

• It was instituted in 1961 and is awarded to an author for his/her outstanding contribution to literature.

• The award is bestowed only on Indian writers writing in Indian languages included in the Eighth Schedule of the Constitution of India and English.

• The winner is given a cash prize of Rs.13 lakh and a bronze replica of Goddess Saraswati, the Hindu goddess of learning.

Q85. Answer: (a) Cambodia

The correct answer is Cambodia.

Key Points

• China is the country which has the largest number of neighbours and they are North Korea, Russia, Mongolia, Kazakhstan, Kyrgyzstan, Tajikistan, Afghanistan, India, Nepal, Bhutan, Myanmar, Laos and Vietnam.

• It has the Fourth largest area in the world.

Q86. Answer: (b) Wood pulp

The correct answer is Wood pulp.

Key Points

• Rayon is made primarily from wood pulp.

• There exist many types and grades of rayon that can imitate the feel and texture of natural fibres.

• Some types of Rayon that resemble silk are also known as artificial silk.

Q87. Answer: (a) Zinc

The correct answer is Zinc.

Explanation:

• The property of metals by which they can be beaten into thin sheets is known as malleability

• Metals can be beaten and converted into thin sheets.

• Zinc is also a metal thus it can also be converted into thin sheets this property of metals is called malleability and the metals are thus called malleable metals.

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

The correct answer is All I, II, and III

Key Points

• NITI Aayog was formed on January 1, 2015, via a resolution of the Union Cabinet.

• It is a think tank whose aim is to achieve Sustainable Development Goals.

• The National Integration Council is a group that looks for ways to address the problems of communalism, casteism, and, regionalism.

• The Indian Board for Wildlife takes important decisions relating to the conservation of wildlife in India.

• Prime Minister of India is the de-facto head of all of the above bodies.

Q89. Answer: (c) Municipal Corporation

The correct answer is Municipal Corporation

Key Points

• Nagar Panchayat, Municipal Councils, and Municipal Corporations are all Urban Governance Bodies responsible to generate revenue through taxes and deliver services to the citizens.

• Nagar Panchayat is for towns with populations between 11,000 and 25,000 people.

• Municipal Councils are for towns between 25,000 and 100,000 in population.

• A Municipal Corporation is to govern cities with a population of more than 100,000 people.

• Hence, from the above points, we can clearly infer that a Municipal Corporation controls a larger urban area.

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Q90. Answer: (d) Oxidation of carbon dioxide to carbohydrates

The Correct answer is the Oxidation of carbon dioxide to carbohydrates.

Explanation:

• Photosynthesis is the process by which green plants prepare their own food. The events during photosynthesis are:

• 1) Absorption of light energy by chlorophyll.

• 2) Conversion of light energy to chemical energy and splitting of water molecules into hydrogen and oxygen.

• 3) Reduction of carbon dioxide into carbohydrates.

• Photosynthesis is the process through which green plants synthesize or prepare carbohydrates or food from sunlight, carbon dioxide (CO_2), and water.

• Photosynthesis is a reduction process that involves the reduction of carbon dioxide to carbohydrates.

• In the presence of light, green plants fix carbon dioxide to complex molecules like carbohydrates.

• Photosynthesis occurs in the chloroplast of the cell.

• Chlorophyll is a green pigment that is found in the leaves of plants.

• It helps plants to absorb sunlight energy.

• This energy is used to prepare food by combining carbon dioxide and water.

• Plants with chlorophyll pigments may perform photosynthesis by absorbing light energy.

• The conversion of light energy to chemical energy occurs during the photosynthesis process.

• The splitting of water molecules into hydrogen and oxygen is known as photooxidation.

Q91. Answer: (d) Capillaries

The correct answer is Capillaries.

Explanation:

• The smallest blood vessels which are one cell thick, are called Capillaries.

• Their main function is to enable the exchange of substances between the blood and surrounding tissues.

• They provide nutrients and oxygen to tissues and remove the byproducts of cellular reactions, such as carbon dioxide and water.

• The Vena cava is a large vein that returns deoxygenated blood from the body to the heart.

• Arteries are the blood vessels that deliver blood from the heart to the body. Veins are blood vessels that carry blood toward the heart.

Q92. Answer: (b) Dharmendra Pradhan

The correct answer is Dharmendra Pradhan

Key Points

• Dharmendra Pradhan launched the Pradhan Mantri LPG Panchayat Yojna.

• He is the Minister of Petroleum & Natural Gas and Skill Development & Entrepreneurship.

• It acts as a backup to the Pradhan Mantri Ujjwala Yojana.

• It aims to distribute LPG connections among rural areas.

Q93. Answer: (b) Zhong-Zhong and Hua Hua

The correct answer is Zhong-Zhong and Hua Hua.

Key Points

• Zhong Zhong and Hua Hua:-

• These are two identical long-tailed macaques cloned by Chinese Scientists.

• A process called somatic cell nuclear transfer (SCNT) led to their production.

• This process involves transferring the nucleus of a cell, which includes its DNA, into an egg that has had its nucleus removed.

Q94. Answer: (a) 3.50%

The correct answer is 3.50%

Key Points

• Arun Jaitley stuck to the fiscal deficit target of 3.5% of gross domestic product (GDP) for 2016-17, after achieving the 3.9% of GDP target in 2015-16.

Q95. Answer: (a) Rs. 2 lakh or more

The correct answer is Rs. 2 lakh or more.

Key Points

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• Motor Vehicle (Amendment) Bill, 2016 :

• It aims to improve road safety and provides for a higher level of fines and penalties for drunk driving.

• The penalty for drunk driving under the Motor Vehicle (Amendment) Bill 2016 has been increased from Rs.2000 to Rs.10,000.

• The second offence, if within two years, can lead to up to two years prison term and/or a fine of Rs 15,000.

• According to Motor Vehicles Act (Amendment) Bill 2016, now in case of death, the compensation has been increased to Rs. 2 lakh from Rs. 25,000 earlier and in case of grievous injuries, it is Rs. 50,000 instead of Rs. 12,500 earlier.

Q96. Answer: (b) 20

The correct answer is 20.

Key Points

Given that,

Charge(q) = 500 Coulomb

Time(t) = 25 seconds

We know that, q =It

I =q/t

Current = 500/25 = 20A

Q97. Answer: (c) Uniform

The Correct answer is Uniform.

Explanation:

• Uniform motion is a motion in which a body moves in a specific direction at a constant speed.

• Uniform motion: when an object covers an equal distance in an equal time interval of time said to be in uniform motion. Here acceleration is zero.

• When a body moves in a perfect circle at a constant speed then it is called Uniform circular motion.

• Non-Uniform motion: when an object covers unequal distances in the equal time interval of time said to be in non-uniform motion. Here acceleration is non-zero.

Q98. Answer: (d) Equator

The correct answer is Equator

Key Points

• The tropical regions have hot climates because they are the regions of the Earth near the equator.

• They cover the area between the Equator and the Tropic of Cancer in the northern hemisphere and the Tropic of Capricorn in the southern hemisphere.

• They are also called the tropical zone or the torrid zone.

Q99. Answer: (a) Only B

The correct answer is Only B.

Key Points

• Badminton 2017 BWF World Senior Championships:-

• It was held from 11 – 17 September 2017.

• The venue was Rajiv Gandhi Indoor Stadium, Kochi.

• It was hosted by Kochi, Kerala, India. Thus, statement A is wrong.

• India won 1 Gold, 4 Silver, and 16 Bronze. Total of 21 Medals.

• Tennis 2017 Miami Open Women’s Singles:-

• It was won by Johanna Konta Thus, statement B is correct.

• Caroline Wozniacki was the runner-up.

• Tennis 2017 US Open Men’s Singles.

• It was held from August 28 – September 10, 2017.

• It was the 137th edition.

• It took place at USTA Billie Jean King National Tennis Center, New York.

• It won by Rafael Nadal Thus, statement C is wrong.

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Q100. Answer: (b) Font colour

The correct answer is Font Colour.

Key Points

• Font Colour

• It is used to apply colours to the characters.

• This option is present in the Home tab.

• The default font colour is Black. Select the text you want to modify.

• On the Home tab, click the Font Color drop-down arrow. The Font Color menu appears.

• Select the font colour you want to use. The font colour will change in the document.

Additional Information

• Font size

• It is used to change the size of the font.

• Navigate to the Home tab, and click the Font size drop-down arrow.

• Select a font size from the menu.

• If the font size you need is not available in the menu, you can click the Font size box and type the desired font size, then press Enter.

• The font size will change in the document.

• Font Style

• By default, the font of each new document is set to Calibri.

• But Word provides many other fonts you can use to customize the text.

• Select the text you want to modify.

• Click the drop-down arrow next to the Font box.

• A menu of font styles will appear, select the font style you want to use.

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