SSC CHSL Previous Paper 61 (Held On: 28 March 2018 Shift 3) (Previous Year Paper)

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

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ENGLISH LANGUAGE

Q1. 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'.

I want you to (1)/ write an essay (2)/ which will be include in the journal. (3)/ No error (4)

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

Q2. 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'.

For peace and happiness in the world, (1)/ we need to remind ourselves (2)/ of our philosophy and cultural. (3)/ No error (4)

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

Q3. In the following question, the sentence given with a blank is to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Anita _____ a collection of every nation's currency.

(a) Has
(b) Possess
(c) Is
(d) Have

Q4. In the following question, a sentence is given with a 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 bus from Haridwar to Delhi _____ at 11:15 a.m. daily.

(a) Come
(b) Arrived
(c) Arrive
(d) Arrives

Q5. In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Noxious

(a) Sterile
(b) Harmful
(c) Wholesome

(d) Curing

Q6. In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Herald

(a) Messenger
(b) Flock
(c) Newcomer
(d) Old

Q7. In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Preclude

(a) Include
(b) Prevent
(c) Impede
(d) Stop

Q8. In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Deserter

(a) Criminal
(b) Loyalist
(c) Refugee
(d) Runaway

Q9. Rearrange the parts of the sentence in correct order.

The Montreal Protocol

P : by more than 150 nations

Q : on substances that deplete the

R : Ozone layer, was signed in 1987

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

Q10. 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.

His daughter blamed him for partiality.

(a) He was blame for partiality by his daughter.
(b) He is being blamed for partiality by his daughter.
(c) He was being blamed for partiality by his daughter.
(d) He was blamed for partiality by his daughter.

Q11. 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.

Pooja said, “I write novels.”

(a) Pooja says she wrote novels.
(b) Pooja said that she wrote novels.
(c) Pooja wrote a novel.
(d) Novels were written by Pooja.

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Q12. In the following question, a word has been written in four different ways out of which only one is correctly spelt.

(a) Fallacoius
(b) Falacious
(c) Fallacious
(d) Facllacous

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.

Now we do talk first about the disease in cases of bodily breakdown; and that for _____ excellent reason. Because, _____ there may be doubt about the way in which the body broke down, there is _____doubt at all about the shape in which it should be built up again. No doctor _____ to produce a new kind of man, with a new arrangement of eyes or limbs. The hospital, by _____, may send a man home with one leg less: but it will not (in a creative rapture) send him home with one leg extra. Medical science is content with the normal human body, and only seeks to restore it.

Q13. and that for _____ excellent reason.

(a) A
(b) An
(c) At
(d) To

Q14. Because, _____ there may be doubt

(a) Though
(b) Through
(c) Thorough
(d) Thought

Q15. there is _____ doubt at all about the shape

(a) None
(b) No
(c) Never
(d) Nothing

Q16. No doctor _____ to produce a new kind

(a) Proposes
(b) Propose
(c) Proposing
(d) Proposed

Q17. The hospital, by _____, may send a man

(a) Necessary
(b) Necessarily
(c) Necessity
(d) Necessaries

Q18. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Wine and dine

(a) Get drunk before dinner
(b) A place where both alcohol and food is served
(c) Live a hedonistic life
(d) When somebody is treated to an expensive meal

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Q19. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Cross your fingers

(a) Do nothing and hope that everything will fall in its place automatically.
(b) To express disapproval or dissatisfaction.
(c) Tell others that you will approve only on certain conditions.
(d) To hope that things will happen in the way that you want them to.

Q20. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

A payment given for professional services that are rendered nominally without charge.

(a) Honorarium
(b) Penalty
(c) Forfeit
(d) Retribution

Q21. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Change in form, nature, or substance

(a) Resolute
(b) Immutable
(c) Intrepid
(d) Transmute

Q22. 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".

The world we (is living) in is straight out of a dystopian novel.

(a) Was living
(b) Are live
(c) Are living
(d) No improvement

Q23. 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".

He began to ask about his enemies who (had been hunting) him.

(a) Is been hunting
(b) Was been hunting
(c) Had been hunted
(d) No improvement

Q24. 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.

Even our own languages

A-it that the native speakers hardly

B-have contributed words to

C-consider foreign anymore

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

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Q25. In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

(a) Perennialy
(b) Perenially
(c) Perennially
(d) Perenialy

GENERAL INTELLIGENCE

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

Tennis : Court ? ? : ?

(a) Sky : Yoga
(b) Race : Room
(c) Wrestling : Court
(d) Skating : Rink

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

47 : 52 ? 73 : ?

(a) 81
(b) 80
(c) 75
(d) 78

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

KOS : CGK ? LPT : ?

(a) GIM
(b) DHK
(c) DHL
(d) GIL

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

(a) Horse – Stable
(b) Pig – Sty
(c) Nest – Bird
(d) Lion – Den

Q30. In the following question, four number pairs are given. The number on left side of (–) is related to the number on 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) 12 – 144
(b) 8 – 64
(c) 18 – 324
(d) 2 – 12

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

(a) QKE
(b) SLF
(c) WQK
(d) OIC

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

1. Terrible
2. Thaw
3. Thank less

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4. Testify

5. Terrain

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

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

29, 32, 38, 41, 47, ?

(a) 52
(b) 53
(c) 50
(d) 49

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

LOQ, OQR, RSS, ?, XWU

(a) PUX
(b) UXT
(c) UUT
(d) UXX

Q35. Shivani started running from her office, she first ran for 16 km towards north, then she turned towards east and ran √68 km in that direction. How far (in km) and which direction is Shivani from her office?

(a) 18, North-East
(b) 13, North-East
(c) 18, South-East
(d) 11, North-West

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

Telephone

(a) Note
(b) Phone
(c) Let
(d) Else

Q37. In a certain code language, “BLINK” is written as “96543” and “URGE” is written as “8217”. How is “BURN” written in that code language?

(a) 9824
(b) 8953
(c) 9642
(d) 5432

Q38. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

APG, CRI, ETK, ?, IXO

(a) GUN
(b) GVM
(c) HUM
(d) HVN

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Q39. In the following question, select the missing number from the given series.

66, 65, 63, 62, 60, ?

(a) 58
(b) 59
(c) 57
(d) 56

Q40. 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) (16, 8, 4)
(b) (44, 22, 11)
(c) (46, 23, 11)
(d) (52, 26, 13)

Q41. In a certain code language, '-' represents '×', '÷' represents '+', '+' represents '÷' and '×' represents '-'. Find out the answer to the following question.

16 × 20 ÷ 15 - 4 + 2 = ?

(a) 15
(b) 38
(c) 47
(d) 26

Q42. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

16 ÷ 2 + 35 - 6 × 10 = 33

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

Q43. If 20Δ30 = 5, 90Δ40 = 13 and 20Δ20 = 4, then find the value of 90Δ80 = ?

(a) 14
(b) 20
(c) 16
(d) 17

Q44. Which of the following terms follows the trend of the given list?

ABABABAB, CDABABAB, ADCBABAB, ABCDABAB, ABADCBAB, _____.

(a) ABABADCB
(b) ABABCDAB
(c) ABABABAB
(d) CDABABAB

Q45. Two siblings start from home to go to schools. The brother goes 2 km North, then turns right and goes 1 km and reaches his school. The sister goes 3 km West, then 5 km South, then turns left and goes 4 km and reaches her school. Where is the sister's school with respect to the brother's school?

(a) 3 km South
(b) 7 km South
(c) 7 km North
(d) 3 km North

Q46. 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 it seems 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: All drinks are beverages.

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Statement II: No juices are beverages.

Conclusion I: Some beverages are juices.

Conclusion II: All juices are beverages.

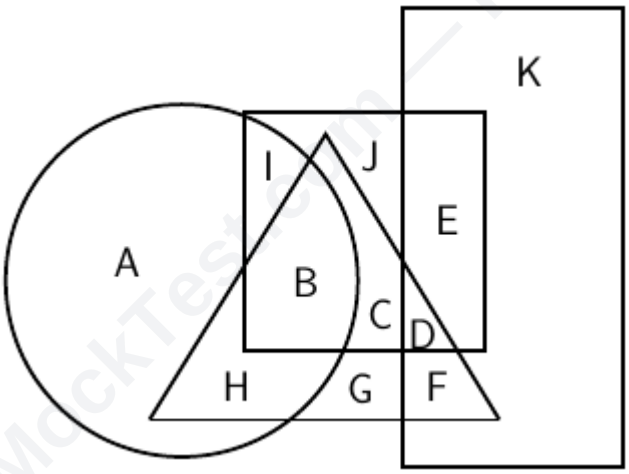
(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusions I and II follow

(d) Neither conclusion I nor conclusion II follows

Q47. In the following figure, the rectangle represents Therapists, the circle represents Racers, the triangle represents Sculptors and square represents Boxers. Which set of letters represents Boxers who are Racers?



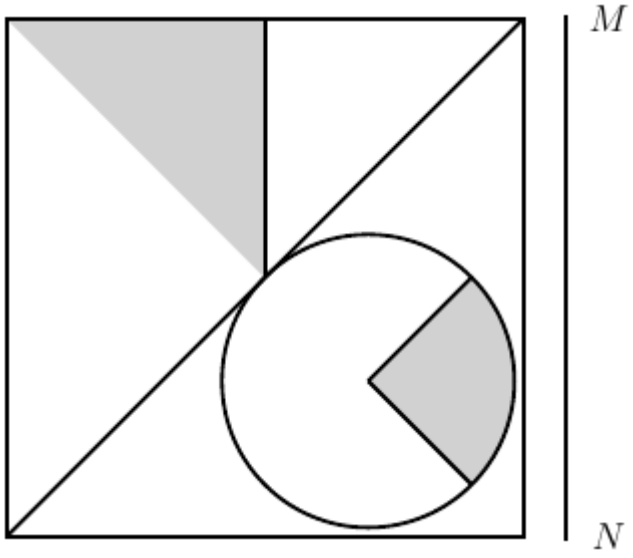
(a) ED

(b) I

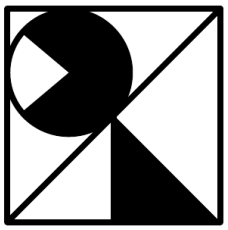
(c) BCD

(d) JI

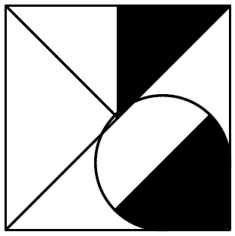
Q48. If a mirror is placed on the line MN, which of the following answer figures is the right mirror image of the given figure?



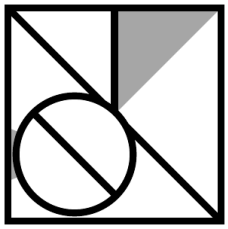
(a)



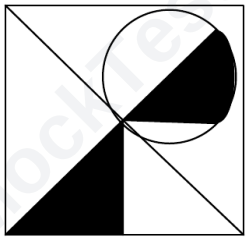
(b)



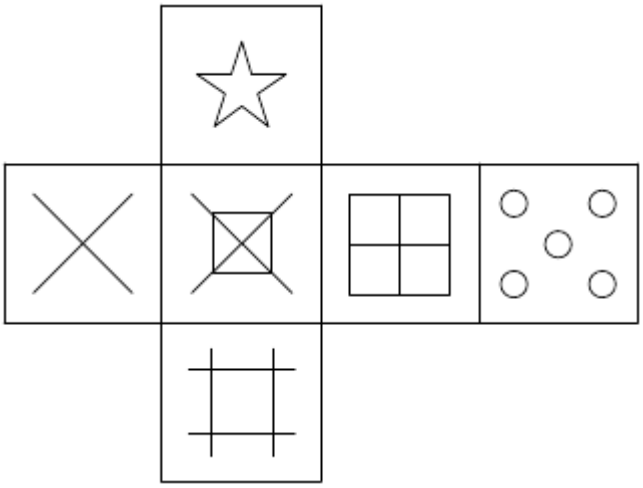
(c)



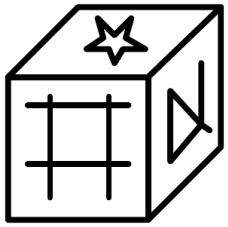
(d)



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

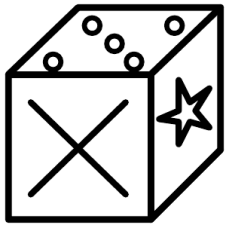


(a)

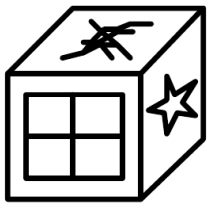


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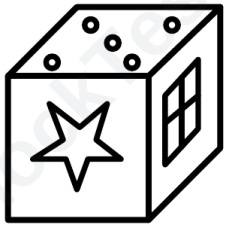
(b)



(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 Matri×-I are numbered from 0 to 4 and that of Matri×-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and ne×t by its column, for e×ample 'A' can be represented by 40, 42 etc and 'N' can be represented by 87, 98 etc. Similarly, you have to identify the set for the word 'CURE'.

Matrix- I					
	0	1	2	3	4
0	A	E	I	A	H
1	C	D	D	F	F
2	D	F	I	H	C
3	D	C	E	E	C
4	A	E	A	I	J

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

(a) 21, 55, 14, 98
(b) 43, 96, 20, 88
(c) 24, 68, 69, 33

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(d) 43, 87, 44, 89

QUANTITATIVE APTITUDE

Q51. 1800 chocolates were distributed among the students of a class. Each student got twice as many chocolates as the number of students in the class. Calculate the number of students in the class.

(a) 30
(b) 40
(c) 60
(d) 90

Q52. Sum of four consecutive odd numbers is 328. Find the largest number.

(a) 85
(b) 98
(c) 79
(d) 97

Q53. Find the area (in sq units) of the triangle formed by lines x - 3y = 0, x – y = 4 and x + y = 4.

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

Q54. Find the number of solutions a pair of linear equation (4x – 9y + 13 = 0 and 2x + 3y – 13 = 0) have.

(a) 1
(b) 2
(c) 10
(d) Infinite

Q55. An arc length of 16π units subtends an angle of 240 degrees. Find the radius (in units) of the circle.

(a) 6
(b) 12
(c) 24
(d) 36

Q56. The area of an equilateral triangle is 18√3 sq. units. Find the value of the side (in units) of the triangle.

(a) √2
(b) 2√2
(c) 3√2
(d) 6√2

Q57. Rahul’s salary is 50% more than Rohit’s salary. If Rahul saves Rs 2250 which is 8% of his salary, then what is Rohit’s salary (in Rs)?

(a) 22250
(b) 24450
(c) 26350
(d) 18750

Q58. The ratio of the cost of the table and the chair is 9 : 4. The cost of the table is Rs. 1250 more than the cost of the chair. What is the cost (in Rs) of the chair?

(a) 1000
(b) 1200
(c) 800
(d) 1500

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Q59. In a mixture of 165 litres, the ratio of liquids X and Y is 6 : 5. If 5 litres of liquid Y is added in the mixture, then what is the ratio of X and Y in the new mixture?

(a) 10 : 9
(b) 8 : 7
(c) 9 : 8
(d) 5 : 4

Q60. Average of 8 numbers is 40. The average of first three numbers is 46 and the average of next two numbers is 50. If the sixth number is 6 and 10 less than seventh and eighth number respectively, then what is the value of the eighth number?

(a) 28
(b) 22
(c) 30
(d) 32

Q61. A sum of Rs. 15000 is lent at compound interest (compounded annually) at an interest rate of 20% per annum. If the interest is compounded half-yearly, then how much more interest (in Rs) will be obtained in one year?

(a) 225
(b) 150
(c) 75
(d) 300

Q62. X sells shoes to Y at a profit of 20% and Y sells the same shoes to Z at a profit of 23%. If Z pays Rs. 3321 for the shoes, what was the cost price (in Rs) of shoes for X?

(a) 1950
(b) 2450
(c) 2250
(d) 2045

Q63. Amir gave two successive discounts of 10% and 20% on a pencil. If the marked price of the pencil is Rs 3200, then what is the total value (in Rs) of the two discounts together?

(a) 940
(b) 1086
(c) 896
(d) 1120

Q64. If cbrta = cbrt9 + cbrt126 + cbrt217, then which of the following is CORRECT?

(a) a = 2197
(b) a > 2197
(c) a < 2197
(d) a < 1728

Q65. X can complete a work in 27 days and Y can do the same work in half of the time taken by X. Working together what part of the same work can they complete in a day?

(a) 1/9
(b) 1/6
(c) 1/12
(d) 2/27

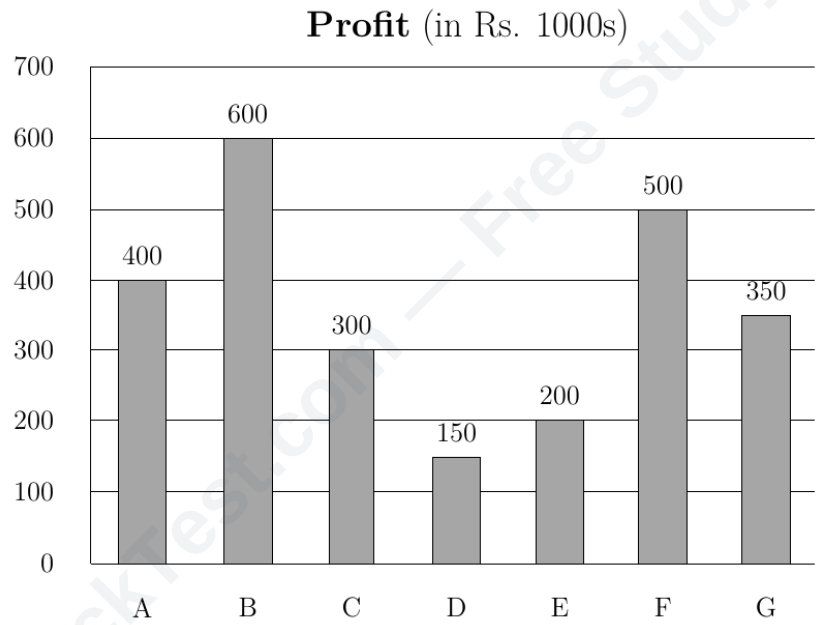
Q66. The speed of a train is 72 km/hr and its length is 200 meters. What will be the time (in minutes) taken by the train to cross a pole?

(a) 1/6 min
(b) 3/5 min
(c) 5 min
(d) 10 min

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Directions

Direction: The bar graph shows the monthly profits of the different departments of a company. Study and diagram and answer the following questions.



Q67. Which department has the second lowest monthly profits?

(a) C
(b) D
(c) E
(d) G

Q68. What is the ratio of the monthly profits of department G to that of department B?

(a) 12 : 7
(b) 7 : 12
(c) 5 : 12
(d) 12 : 5

Q69. The monthly profit of department B is greater than that of department F by _____.

(a) 25%
(b) 30%
(c) 33.3%
(d) 20%

Q70. If the company has only 7 departments then what is the monthly revenue (in Rs lakhs) of the company if the monthly profit was 20% of the total monthly revenue of the company?

(a) 1250
(b) 500
(c) 50
(d) 125

Q71. The length of the diagonal and the breadth of a rectangle is 25 cm and 7 cm respectively. Calculate its area (in cm^2).

(a) 336
(b) 168
(c) 240
(d) 480

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Q72. The area of a semicircle is 77 cm². Calculate its perimeter (in cm).

(a) 72
(b) 49
(c) 98
(d) 36

Q73. Find the total surface area (in cm²) of a right circular cylinder of diameter 21 cm and height 10 cm.

(a) 1353
(b) 1287
(c) 1678
(d) 1728

Q74. ΔXYZ is right angled at Y. If angle X = 60^o, then find the value of (cotZ + 2).

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

Q75. In ΔABC measure of angle B is 90^o. If tan A = 12/5, and AB = 1 cm, then what is the length (in cm) of side BC?

(a) 2.6
(b) 2.4
(c) 1.5
(d) 2

GENERAL AWARENESS

Q76. Special Drawing Rights (SDRs) is related to _____.

(a) World Bank
(b) Reserve Bank of India
(c) World Trade Organization
(d) International Monetary Fund

Q77. The Khadi and Village Industries Commission were established during which Five Year Plan?

(a) Second
(b) Third
(c) First
(d) Fifth

Q78. From whom did the French East India Company acquire Pondicherry?

(a) From the Portuguese
(b) The ruler of Golconda
(c) Sultan of Bijapur
(d) Snatching

Q79. For the first time, postage stamps were released in which of the following reign?

(a) Lord Ripon
(b) Lord Lytton
(c) Lord Dalhousie
(d) Lord Canning

Q80. When does Pele's Tear occur?

(a) at the time of earthquake
(b) at the time of plate tectonics
(c) at the time of volcanic eruption
(d) at the time of mountain formation

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Q81. First time in which year did Edmund Hillary and Tenzing Norgay conquer the world's highest mountain peak Mount Everest?

(a) 1898 AD
(b) 1953 AD
(c) 1957 AD
(d) 1969 AD

Q82. Which of the following is a major folk dance of Rajasthan?

(a) Chhau
(b) Giddha
(c) Ghumar
(d) Bihu

Q83. With which country India has been undertaken Kaladan multi-modal transport project?

(a) Sri Lanka
(b) Myanmar
(c) Bangladesh
(d) Bhutan

Q84. Who among the following has been awarded the Indira Gandhi Prize 2017 for peace, disarmament and development?

(a) Pranab Mukherjee
(b) Manmohan Singh
(c) Charles Manson
(d) Emmers on Mnangagwa

Q85. Which of following is NOT a major languages in Bangladesh?

(a) Garo
(b) Khashia
(c) Magh
(d) Maithili

Q86. What is the maximum number of electrons that the outermost shell can have?

(a) 2
(b) 6
(c) 8
(d) None of these

Q87. Which of the following statement(s) is/are CORRECT?

I. Carbon compounds linked by only single bond are called saturated compounds.
II. Carbon compounds having double or triple bonds are called unsaturated compounds.
III. Saturated carbon compounds are more reactive than unsaturated carbon compounds.

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

Q88. After the Presiding officer declares the house adjourned sine die President of India issues a notification for _____ of the session.

(a) Adjournment
(b) Prorogation
(c) Dissolution
(d) Quorum

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Q89. Which kind of emergency can be proclaimed on the grounds of failure of Constitutional machinery in States?

(a) National Emergency
(b) State Emergency
(c) Financial Emergency
(d) State and Financial Emergency both

Q90. Rings of _____ are present in the throat to ensure that the air passage does NOT collapse.

(a) Bone
(b) Tendon
(c) Ligament
(d) Cartilage

Q91. “All plants and animals are composed of cells and cell is the basic unit of life”. The given statement is for which of the following theories?

(a) Theory of evolution
(b) Theory of inheritance
(c) Cell theory
(d) Theory of natural selection

Q92. In November 2017, at first meeting of Prabhari Officers, a Major Policy initiative was launched for the transformation of _____ backward districts acrossthe country.

(a) 125
(b) 115
(c) 100
(d) 150

Q93. Researchers at the University of Illinois have announced discovery of new form of matter called_____.

(a) Spectronium
(b) Unobtanium
(c) Excitonium
(d) Transitonium

Q94. In September 2017, Investments in the Domestic Capital Market, through _____, slumped to a five year low.

(a) S-notes
(b) P-notes
(c) L-notes
(d) N-notes

Q95. On 2 January 2018, Parliament passed NABARD (Amendment) Bill, 2017 which seeks to transfer share capital held by _____ to Union Government.

(a) SEBI
(b) RBI
(c) IRDAI
(d) TRAI

Q96. A body of mass 8 kg is moving with a velocity of 4 m/s, find its momentum.

(a) 2
(b) 64
(c) 32
(d) 4

Q97. If the velocity of a body is doubled, its momentum _____.

(a) remains same
(b) doubles
(c) becomes half

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(d) becomes 4 times

Q98. Each fragment of the Earth's crust is known as a _____.

(a) Plane
(b) Plate
(c) Platter
(d) Slab

Q99. Which of the statements given below are correct?

A) Marc Marquez won the Motorcycle race 2017 Dutch TT MotoGP.
B) In 2018 IPL auctions, Royal Challengers Bangalore retained Rishabh Pant.
C) In 2017, Vincent Kompany captained the Premier League team Manchester City.

(a) Only B
(b) Both A and C
(c) Only C
(d) None of these

Q100. Computers and communication technologies affect our lives in ways that include: _____, in terms of knowledge creation, publishing and distribution.

(a) Societal
(b) Technological
(c) Educational
(d) Personal

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (c) 3

The correct answer is 'option 3'.

Key Points

• The error is in (3) 'which will be include in the journal'.
• It should be which will be included instead.
• The sentence indicates that the action will have been completed (finished or "perfected") at some point in the future.
• Thus, we use future tense in passive voice because the doer of the verb 'include' is somebody else hence, we need to use a passive voice.
• So, the correct answer is 'Option 3'.

Therefore the correct sentence is- 'I want you to write an essay which will be included in the journal.'

Q2. Answer: (c) 3

The correct answer is '(3)'.

Key Points

• The error is in (3) 'of our philosophy and cultural'

• Since philosophy is a noun and lists together two similar things, the word philosophy goes with another noun.

• Hence, culture (noun) should be used in place of cultural (adjective).

• So, the correct answer is- 'Option 3'.

Therefore, the correct sentence is- 'For peace and happiness in the world, we need to remind ourselves of our philosophy and culture.'

Q3. Answer: (a) Has

The correct answer is Has

Key Points

• If we look at the sentence carefully, we can figure out that every nation's currency is with Anita or is in Anita's possession in the form of a collection

• Let's look at each option:

• Has

• Has is a root verb most commonly used alongside the pronouns He / She / It and Who and Singular Nouns

• In general, has is a Present Tense word

• It is generally used to denote possession or consumption or action

• Thus this word correctly denotes the relationship between Anita and her collection

• Possess

• **It is a verb meaning Have as an ability, quality, characteristic or acquirement

• Noun: Possession; Adjective: Possessive

• Since the subject Anita in the sentence is singular, the singular form of the verb, i.e., possesses should have been used for grammatical accuracy

• Thus, if this word was used with the subject Anita, it would be grammatically incorrect

• Is

• 'Is' is an auxiliary singular present tense verb used to denote the application of characteristic or quality to an entity or to help make a sentence construction grammatically correct, e.g., He is a good boy

• Thus, if used in the blank above, it would imply Anita is the collection which is absurd

• Have

• It is the plural form of the root verb 'has'

• Since the subject Anita is singular, using 'have' here would violate subject-verb agreement

Thus the complete sentence is: Anita has a collection of every nation's currency

Q4. Answer: (d) Arrives

The correct answer is Arrives

Key Points

• Since the sentence is ending with the word 'daily', it talks about a habitual/repetitive/regular action/phenomenon/happening

• This type of verb is always presented in the Simple Present Tense, e.g., The Sun rises in the East

• Let's look at the tense used in each of the given options:

Come	**This is a root verb,i.e., it can take any tense depending on the sentence**
Arrived	Past Tense
Arrive	This is a root verb,i.e., it can take any tense depending on the sentence
Arrives	Simple Present Tense

Thus the complete sentence is: The bus from Haridwar to Delhi arrives at 11:15 a.m. daily.

• Even if one of the options would have been the word 'comes', the most suitable answer would have remained unchanged.

• This is because in the context of bus timings, arrives/departs is a much more appropriate word than comes/goes.

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Q5. Answer: (b) Harmful

The solution is in Hindi. Read it online.

Q6. Answer: (a) Messenger

The solution is in Hindi. Read it online.

Q7. Answer: (a) Include

The solution is in Hindi. Read it online.

Q8. Answer: (b) Loyalist

The solution is in Hindi. Read it online.

Q9. Answer: (a) QRP

The correct answer is QRP

Key Points

• Let's look at the following points-

• Since the opening sentence has been given it denotes the subject of the context i.e. The Montreal Protocol; therefore we will find the part that continues the subject matter or connect it to the verb

• Q will be the 2nd part of the sentence as it continues the subject matter with action word i.e. that deplete the

• Option R will be the 3rd part of the sentence as 'the' is part Q has been used for the "ozone layer"

• Thus, as per the above-mentioned points, it is clear that part P will the last part of the context.

• So, according to above explanation 'Option 1' will be the correct answer.

Therefore, the correct sentence is- *T*he Montreal Protocol on substances that deplete the Ozone layer, was signed in 1987 by more than 150 nations.

Q10. Answer: (d) He was blamed for partiality by his daughter.

The correct answer is 'option 4'.

Key Points

• Let's look at the following points-

• The sentence is in Active voice (in simple past tense)

• The passive voice of the given context will be- Subject + Helping Verb (was/were) + Third form of verb + Object Of the sentence

• Out of all 4 given option, 4th shows the correct structure of the Passive voice for the given context.

• Sub (He) + Helping Verb (was) + Third form of the verb (Blamed) + Object of the sentence (By his daughter).

Therefore, the correct sentence is- He was blamed for partiality by his daughter.

Q11. Answer: (b) Pooja said that she wrote novels.

The correct answer is 'Pooja said that she wrote novels'.

Key Points

• We make changes in tenses of reported speech only when the reporting verb is in the past tense.

• When the reported speech is an assertive sentence, we follow these steps-

• Reporting verb 'said to' is changed into told.

• connector 'that' is used in place of commas.

• Tense of reported speech is changed accordingly. (in above sentence- 'write' changes into 'wrote')

• personal Pronouns of reported speech are changed as per subject and object of reporting verb. Here, the first person- 'I' will change into 'she' as per subject - 'Pooja'.

Therefore, the correct sentence is- " Pooja said that she wrote novels."

Q12. Answer: (c) Fallacious

The solution is in Hindi. Read it online.

Q13. Answer: (b) An

The correct answer is 'An'.

Key Points

• The word excellent starts with the vowel 'e'.

• The pronunciation starts with a vowel sound.

• When pronunciation starts with a vowel sound we use article 'An' with it.

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• So, according to above explanation 'An' is the correct answer.

Therefore, the correct sentence is- and that for an excellent reason.

Important Points

• Also, we use a/an when we talk about a singular person or thing.

Q14. Answer: (a) Though

The correct answer is 'Though'.

Key Points

• Let's see the meaning of the given options.

• Though- despite the fact that

• Through- via; by

• Thorough- Careful

• Thought- Idea; imagination

• Here, we need a conjunction to fill the blank and among the given option 'Though' is only conjunction.

• So, the correct answer is 'Though'.

Therefore, the correct sentence is- Because, though there may be doubt

Q15. Answer: (b) No

The correct answer is 'No'.

Key Points

• Let's see the meaning of the given options.

• No- Not any

• None- Not any

• Never- At no time in the past or future; not ever

• Nothing- Not anything; No single thing

• Here, we need an determiner to fill the blank.

• So, 'Option 2-No' is the best suitable option.

Therefore, the correct sentence is- There is no doubt at all about the shape.

Additional Information

• Although, 'None' also means the same as 'No', but none is a pronoun and we cannot use a pronoun in the given blank.

Q16. Answer: (a) Proposes

The correct answer is Proposes.

Key Points

• The entire paragraph is in the Present Tense.

• Since the subject of the sentence is the phrase 'No doctor', the correct tense will be third person singular.

• We always use the singular verb with the determiners. (No, None, Every etc.)

• So, according to above explanation 'Proposes' is the best suitable choice.

Therefore, the correct sentence is- No doctor proposes to produce a new kind.

Q17. Answer: (c) Necessity

The correct answer is Necessity.

Key Points

• From the given context we can easily determine that the blank needs a noun.

• Among the given option 'necessity' is a noun.

• Necessity means the state or fact of being required.

• So, the correct answer is 'Option 3- Necessity'.

Therefore, the correct sentence is- The hospital, by necessity, may send a man

Additional Information

• Let's see the meaning of other words-

• Necessary: needed to be done, achieved, or present; essential.

• Necessarily: it is the adverb form of 'necessary'

• Necessaries is not a valid word in English.

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Q18. Answer: (d) When somebody is treated to an expensive meal

The correct answer is 'When somebody is treated to an expensive meal'.

Key Points

• Let's see the meaning of given idiom-

• Wine and dine means to entertain someone with food and drink, esp. expensive food and drink

• For example- Colleagues were furious at doing her work while she wined and dined.

Therefore, the correct answer is 'Option 4' i.e. When somebody is treated to an expensive meal

Additional Information

• Hedonistic: engaged in the pursuit of pleasure; sensually self-indulgent

Q19. Answer: (d) To hope that things will happen in the way that you want them to.

The correct meaning of the given idiom is 'To hope that things will happen in the way that you want them to'.

Key Points

• To cross one's fingers is a hand gesture commonly used to wish for luck.

• Occasionally it is interpreted as an attempt to implore God for protection.

• The gesture is referred to by the common expressions "cross your fingers", "keep your fingers crossed", or just "fingers crossed".

• Example: We will be keeping our fingers crossed that a quick thaw is on its way.

• So, according to the above explanation 'Option 4' is the best suitable choice.

Therefore, the correct answer is 'Option 4' i.e. 'To hope that things will happen in the way that you want them to'.

Q20. Answer: (a) Honorarium

The solution is in Hindi. Read it online.

Q21. Answer: (d) Transmute

The solution is in Hindi. Read it online.

Q22. Answer: (c) Are living

The correct answer is 'are living'.

• In a sentence, the verb must agree with the subject. The verb used is according to person and number.

• For example:

• He comes. (singular subject, singular verb)

• They come. (plural subject, plural verb)

• The subject 'we' is plural so it will take a plural verb i.e. 'are'.

• The sentence is in the present continuous tense so living will come along with 'are'.

• So, the correct answer is- 'Option 3'.

Therefore, the correct sentence is- The word we are living in is straight out of a dystopian novel.

Q23. Answer: (d) No improvement

The correct answer is No improvement

Key Points

• Began is past tense.

• Since he is asking something that happened before the action of asking, so use had with hunting. Hence ruling out options 1) and 2).

• Since he is alive, he isn't dead, so he hasn't been hunted down yet, therefore ruling out option 3).

• So, according to above explanation 'No improvement' is needed in the given sentence.

Therefore, the correct answer is- 'Option 4'. i.e. He began to ask about his enemies who had been hunting him.

Q24. Answer: (d) BAC

The correct answer is '(BAC)'.

Key Points

• A can't be first since our own languages it doesn't make any sense, hence ruling out options 1) and 2).

• Languages consider foreign anymore = wrong. Languages aren't something that can consider or think, so option C can't be first.

• According to above explanation '(B)' is the best suitable sentence to place at first.

• So the correct answer is 'Option 4'.

Therefore, the correct sentence is- Even our own languages have contributed words to it that the native speakers hardly consider foreign anymore.

Q25. Answer: (c) Perennially

The solution is in Hindi. Read it online.

Q26. Answer: (d) Skating : Rink

Here, Pattern is such that second word is a place or space where the sport given in first word is played or performed i.e.

Tennis: Court → Tennis is played in Court or tennis court.

Let's check all the options.

1) Sky: Yoga→ Here sky is not a sport and yoga is not a place it's a sport.

2) Race: Room→ Here Race is not done in the room but on the ground.

3) Wrestling: Court → Here Wrestling is not played in Court but inside the Ring.

4) Skating: Rink → Here Skating is played in Rink or Skating rink.

Hence, the correct answer is " Skating: Rink ".

Q27. Answer: (d) 78

The logic followed here →

Second Number = (First Number + 5)

47: 52 → 47 + 5 = 52.

Similarly,

73: ? → 73 + 5 = 78.

Hence, the correct answer is " 78 ".

Q28. Answer: (c) DHL

The pattern followed here is as follows,

Similarly,

Hence, the correct answer is " DHL ".

Q29. Answer: (c) Nest – Bird

The logic used here,

→The 2^(nd) word is the place/home where the animal or bird of 1^(st) word lives or are kept.

Let's check each option as per the logic,

1) (Horse – Stable) → Stable is the place where horses live.

2) (Pig – Sty) → Sty or pigsty is the place where pigs live.

3) (Nest – Bird) → Bird is not a place where Nest live.

4) (Lion – Den) → Den is the place where Lions live.

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

Hence, the correct answer is " (Nest – Bird) ".

Q30. Answer: (d) 2 – 12

The logic used here,

Second Number = $(\text{First Number})^2$

Let's check each option,

1) 12 – 144 → 144 = (12 × 12)

2) 8 – 64 → 64 = (8 × 8)

3) 18 – 324 → 324 = (18 × 18)

4) 2 – 12 → 12 ≠ (2 × 2) → Doesn't satisfies the logic.

Here, we can see that only Option 4 doesn't satisfy the logic.

Hence, the correct answer is " 2 – 12 ".

Q31. Answer: (b) SLF

The logic used here → (-6) is done to each letter's positional value to get the next letter of the cluster.

Let's check each option as per the logic,

1) QKE:

2) SLF:

3) WQK:

4) OIC:

Here, we can see that only Option 2 doesn't satisfy the logic.

Hence, the correct answer is " SLF ".

Q32. Answer: (c) 5, 1, 4, 3, 2

The correct order of the given words as they would appear in an English dictionary sequence is:-

5. Terrain

1. Terrible

4. Testify

3. Thank less

2. Thaw

Thus, 5, 1, 4, 3, 2 will be the correct sequence.

Hence, the correct answer is "5, 1, 4, 3, 2".

Q33. Answer: (c) 50

The logic followed here is:-

Hence, the correct answer is "50".

Alternate MethodThe Logic followed here is:-

Hence, the correct answer is "50".

Q34. Answer: (c) UUT

The pattern followed here is:-

Hence, the correct answer is "UUT".

Q35. Answer: (a) 18, North-East

Given → Shivani started running from her office

Clearly, we can see that Shivani is in $\sqrt{(16^2 + 68)} = \sqrt{(256 + 68)} = \sqrt{324} = 18$ km North-East direction from her office.

Hence, the correct answer is "18, North-East".

Q36. Answer: (d) Else

Let’s check each option,

1) NOTE → can be formed from TELEPHONE.

2) PHONE → can be formed from TELEPHONE.

3) LET → can be formed from TELEPHONE.

4) ELSE → cannot be formed because there is no ‘S’ in TELEPHONE.

Hence, the correct answer is " Else ".

Q37. Answer: (a) 9824

The pattern here is each letter of the given two words is coded by a particular number as shown below:

Letter	B	L	I	N	K	U	R	G	E
Code	9	6	5	4	3	8	2	1	7

Using the given information, BURN can be coded as,

Hence, the correct answer is " 9824 ".

Q38. Answer: (b) GVM

The pattern followed here is:-

Hence, the correct answer is "GVM".

Q39. Answer: (b) 59

The logic followed here,

→ 1 and 2 is subtracted alternatively in the numbers to get the next number.

Hence, the correct answer is " 59 ".

Alternate Method The logic followed here,

→ 3 has been subtracted from the terms to get the next alternate term of the series.

Hence, the correct answer is " 59 ".

Q40. Answer: (c) (46, 23, 11)

The logic followed here is:-

First number ÷ 2 = Second number and Second number ÷ 2 = Third number

Out of the given options, (46, 23, 11) is odd one because in all other options 2^(nd) number is half of the 1^(st) number and 3^(rd)number is half of the 2^(nd)number i.e.

1) (16, 8, 4) → 16 ÷ 2 = 8 and 8 ÷ 2 = 4.

2) (44, 22, 11) → 44 ÷ 2 = 22 and 22 ÷ 2 = 11.

3) (46, 23, 11) → 46 ÷ 2 = 23 and 23 ÷ 2 = 11.5

4) (52, 26, 13) → 52 ÷ 2 = 26 and 26 ÷ 2 = 13.

As can be seen that (46, 23, 11) doesn't follow the same logic.

Thus, (46, 23, 11) is odd one.

Hence, the correct answer is "(46, 23, 11)".

Q41. Answer: (d) 26

Given Equation → 16 × 20 ÷ 15 - 4 + 2 = ?

Signs	•	÷	•	×
Code	×	•	÷	•

After replacing the signs with their code in the given equation,

New Equation → 16 - 20 + 15 × 4 ÷ 2

According to the BODMAS rule,

= 16 - 20 + 15 × 4 ÷ 2

= 16 - 20 + 15 × 2

= 16 - 20 + 30

= 46 - 20

= 26

Hence, the correct answer is "26".

Q42. Answer: (c) • and +

The given equation is: 16 ÷ 2 + 35 - 6 × 10 = 33

Let’s check each option,

1) ÷ and ×

→ 16 × 2 + 35 - 6 ÷ 10 = 33.

→ 32 + 35 - 6 ÷ 10 = 33.

→ 67 - 6 ÷ 10 = 33.

→ 66.4 ≠ 33.

→ LHS ≠ RHS.

2) × and -

→ 16 ÷ 2 + 35 × 6 - 10 = 33.

→ 8 + 210 - 10 = 33.

→ 208 ≠ 33.

→ LHS ≠ RHS.

3) - and +

→ 16 ÷ 2 - 35 + 6 × 10 = 33

→ 8 - 35 + 60 = 33.

→ 33 = 33.

→ LHS = RHS.

4) ÷ and -

→ 16 - 2 + 35 ÷ 6 × 10 = 33.

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→ 14 + 35 ÷ 6 × 10 = 33.

→ 14 + 58.3 = 33.

→ 72.3 ≠ 33.

→ LHS ≠ RHS.

Here, we can see that only Option 3 satisfy the equation.

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

Q43. Answer: (d) 17

The pattern followed here is →

Two numbers are given separated by 'Δ'. We get the answer by adding the two numbers and dividing it by 10 to get the answer.

Let A and B are two numbers such that AΔB then

AΔB = (A + B) ÷ 10

20Δ30 = (20 + 30) ÷ 10 = 50 ÷ 10 = 5.

90Δ40 = (90 + 40) ÷ 10 = 130 ÷ 10 = 13.

20Δ20 = (20 + 20) ÷ 10 = 40 ÷ 10 = 4.

Similarly,

90Δ80 = (90 + 80) ÷ 10 = 170 ÷ 10 = 17.

Hence, the correct answer is "17".

Q44. Answer: (b) ABABCDAB

The pattern here is that 'C' and 'D' are two letters that appears on the left corner of second step of continuous series of 'AB'. After the second step 'CD' is in the left most corner. Now C will replace its place with the letter which is to the immediate right of D. In the next step D will replace its place with the letter which is to the immediate right of C and this process continues as shown below:

ABABABAB, CDABABAB, ADCBABAB, ABCDABAB, ABADCBAB, ABABCDAB

Hence, the correct answer is " ABABCDAB ".

Q45. Answer: (b) 7 km South

Given → Two siblings start from home to go to schools.

Clearly, we can see that the sister's school is 7 km in South direction with respect to the brother's school.

Hence, the correct answer is "7 km South".

Q46. Answer: (d) Neither conclusion I nor conclusion II follows

Consider the following least possible Venn diagram,

Conclusions:

I. Some beverages are juices → False (It is not possible as no juices are beverages).

II. All juices are beverages → False (It is not possible as no juices are beverages).

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

Q47. Answer: (b) I

Here, rectangle represents Therapists, circle represents Racers, triangle represents Sculptors and square represents Boxers.

Clearly, Boxers who are Racers are represented by the intersection of square and circle i.e. I.

Hence, I is the correct alternative.

Q48. Answer: (c) [figure]

The mirror image of the question image will be:

Hence, the correct answer is " Option 3 ".

Q49. Answer: (a) [figure]

When the unfolded cube is folded, the following pairs of faces will be opposite to each other,

→

→

→

Now, let's check each option,

1)

→

and

are adjacent pairs in this cube which contradicts the pattern of opposite pairs. Thus, this cube can't be formed.

2)

→ Follows the pattern of opposite pairs.

3)

→ Follows the pattern of opposite pairs.

4)

→ Follows the pattern of opposite pairs.

Here, we can see that only cube in Option 1 cannot be formed.

Hence, the correct answer is " Option 1 ".

Q50. Answer: (c) 24, 68, 69, 33

The pattern followed here is:-

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

Checking point one by one to identify the set for the word ‘CURE’.

1) 21 → F ; 55 → V ; 14 → F ; 98 → N (so, the word formed is FVFN)

2) 43 → I ; 96 → O ; 20 → D ; 88 → S (so, the word formed is IODS)

3) 24 → C ; 68 → U ; 69 → R ; 33 → E (so, the word formed is CURE)

4) 43 → I ; 87 → N ; 44 → J ; 89 → X (so, the word formed is INJX)

Thus, the correct option is "24, 68, 69, 33".

Q51. Answer: (a) 30

Deatialed solution:-

Let the number of students in the class be ‘x’

No. of chocolates received by each student = 2x

Total number of chocolates = 2x × x

=> $2x^2 = 1800$

=> $x^2 = 900$

=> $x = \sqrt{900} = 30$

Therefore There are 30 students in the class.

Q52. Answer: (a) 85

GIVEN:

Sum of four consecutive odd numbers is 328

CALCULATION:

Let the numbers be x, (x + 2), (x + 4) and (x + 6)

Sum of the numbers = x + x + 2 + x + 4 + x + 6 = 4x + 12

=> 4x + 12 = 328

=> 4x = 328 – 12 = 316

=> x = 316/4 = 79

Therefore The largest number = x + 6 = 79 + 6 = 85

Therefore The required answer is 85.

Shortcut Trick

=> Sum of 'N' consecutive odd/even numbers = n(x + n -1)

As per the question,

=> 4(x + 3) = 328

=> x + 3 = 82

=> x = 79

Four consecutive odd numbers = 79, 81, 83, and 85

Therefore The largest number = 85

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Q53. Answer: (b) 2

The intersection points of the lines are the vertices of the triangle

The given equations are:

x = 3y ----(1)

x – y = 4 ----(2)

x + y = 4 ----(3)

Substituting eq. (1) in eq. (2), we get,

=> 3y – y = 4

=> y = 4/2 = 2

=> x = 3(2) = 6

Substituting eq. (1) in eq. (3), we get,

=> 3y + y = 4

=> y = 4/4 = 1

=> x = 3(1) = 3

Substituting eq. (2) in eq. (3), we get,

=> y + 4 + y = 4

=> y = 0

=> x = 4

Hence, the three vertices of the triangle are A(6,2), B(3,1) and C(4, 0)

For the given coordinates of the vertices of a triangle ABC, the area is computed as,

Area = | [A_x (B_y – C_y) + B_x (C_y – A_y) + C_x (A_y – B_y)]/2 |

Therefore Area of the given triangle = | [6(1 – 0) + 3(0 – 2) + 4(2 – 1)]/2 | = | (6 – 6 + 4)/2 | = 2 sq. units.

Q54. Answer: (a) 1

Given equations,

4x – 9y + 13 = 0 ----(1)

2x + 3y – 13 = 0 ----(2)

Multiplying eq. (2) by 2 and subtracting from (1), we get,

=> 4x – 9y + 13 – 4x – 6y + 26 = 0

=> 15y = 39

=> y = 39/15 = 2.6

Substituting in (2),

=> x = [13 – 3(2.6)]/2 = 2.6

Therefore There is only 1 solution that the given pair of linear equations have

Q55. Answer: (b) 12

For a given circle of radius R, and an arc with central angle C,

Arc length = 2πR × (C/360°)

Given, arc length = 16π and C = 240°

=> 16π = 2πR × (240°/360°)

=> R = 16 × 3/4 = 12 units

Therefore The radius of the circle is 12 units

Q56. Answer: (d) 6√2

Given:-

The area of triangle = 18√3

Formula used:-

Area of an equilateral triangle = (√3/4) × (side)²

Calculation:-

=> (√3/4) × (side)² = 18√3

=> (side)² = 18 × 4 = 72

Therefore Side of the triangle = √72 = 6√2 units

Q57. Answer: (d) 18750

Given:-

8% of (Rahul's salary) = 2250

Calculation:-

=> Rahul's salary = 2250/0.08 = Rs. 28125 (8/100 = .08)

Now,

Rahul's salary = (100 + 50)% of (Rohit's salary) = 1.5 × (Rohit's salary)

Therefore Rohit's salary = 28125/1.5 = Rs. 18750

Therefore The required answer is 18750.

Q58. Answer: (a) 1000

Detailed solution:-

Let the cost of the table and the chair be '9x' and '4x' respectively

As per the question;

=> 9x – 4x = 1250

=> 5x = 1250

=> x = 1250/5 = 250

Therefore Cost of the chair = 4(250) = Rs. 1000

Q59. Answer: (c) 9 : 8

GIVEN:

Ratio of X and Y in 165 litres of mixture = 6 : 5

FORMULA USED:

Ratio of X and Y in new mixture = Quantity of liquid X in new mixture : Quantity of liquid Y in new mixture

CALCULATION:

Quantity of liquid Y in 165 litres = (5/11) × 165 = 75 litres

When 5 litres of liquid Y is added,

Quantity of new mixture = 165 + 5 = 170 litres

Quantity of liquid Y in new mixture = 75 + 5 = 80 litres

Quantity of liquid X in new mixture = 170 – 80 = 90 litres

Therefore Ratio of X and Y in new mixture = 90 : 80 = 9 : 8

Q60. Answer: (d) 32

Detailed solution:-

Sum of the 8 numbers = 8 × 40 = 320

Sum of first 3 numbers = 3 × 46 = 138

Sum of next two numbers = 2 × 50 = 100

Let the 6^(th) number be 'x

=> 7^(th) number = x + 6

=> 8^(th) number = x + 10

Hence,

=> 138 + 100 + x + x + 6 + x + 10 = 320

=> 3x = 320 – 254

=> x = 66/3 = 22

Therefore The 8^(th) number = 22 + 10 = 32

Q61. Answer: (b) 150

Given:-

(1) Principal (P)= Rs. 15000,

(2) R = 20%

Formula used:-

The compound interest on a sum of Rs. P at R% per annum in one year,

When compounded annually, CI = P[(1 + R/100) – 1] = PR/100

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When compounded half-yearly, CI = P[(1 + R/200)² – 1]

Calculation:-

When compounded annually,

=> CI = (15000 × 20)/100 = Rs. 3000

When compounded half-yearly,

=> CI = 15000 × [(1 + 20/200)² – 1]

=> CI = 15000 × 0.21 = Rs. 3150

Therefore Extra interest = 3150 – 3000 = Rs. 150

Therefore The required answer is 150.

Q62. Answer: (c) 2250

Given:

Profit of X = 20%

Profit of Y = 23%

Concept used:

C.P in case of profit = (100 + P%) of C.P

Calculation:

Let the cost price of shoes for X be Rs. A.

Profit of X = 20%

Cost price for Y = Selling price of X = (100 + 20)% of A = 1.2A

Profit of Y = 23%

Price for Z = Selling price of Y = (100 + 23)% of 1.2A = 1.23 × 1.2A = 1.476A

=> 1.476A = 3321

=> A = 3321/1.476 = 2250

Therefore Cost price of shoes for X is Rs. 2250

Q63. Answer: (c) 896

Detailed solution:-

Marked price = Rs. 3200

Selling price = Marked price – Discount

=> (100 – 20)% of (100 – 10)% of 3200

=> 0.8 × 0.9 × 3200 = Rs. 2304

Therefore Total discount = 3200 – 2304 = Rs. 896

Q64. Answer: (b) a > 2197

Since the options are based on inequality, we can initially assume the nearest perfect cubes and then proceed to solve the question.

As we know, cbrt8 = 2

We can write,

=> cbrt9 > 2 ----(1)

Similarly, cbrt125 = 5

=> cbrt126 > 5 ----(2)

Also, cbrt216 = 6

=> cbrt217 > 6 ----(3)

Adding the three equations, we get,

=> cbrt9 + cbrt126 + cbrt217 > 2 + 5 + 6

=> cbrta > 13

=> a > $(13)^3$

Therefore a > 2197

Q65. Answer: (a) 1/9

Given:-

(1) X can do a work in 27 days,

(2) Y will do the same work in 27/2 days

Formula used :-

(1)Work Done = Time Taken × Rate of Work.

(2) Rate of Work = 1 / Time Taken.

(3) Time Taken = 1 / Rate of Work.

Calculation:-

1-day work of X = 1/27

1-day work of Y = 2/27

Therefore When they work together, part of work done in 1 day = 1/27 + 2/27 = 3/27 = 1/9

Therefore The required answer is 1/9.

Q66. Answer: (a) 1/6 min

Given:-

The speed of train = 72 km/hr

Formula used:-

1)Time taken by train to cross a pole = length of train/speed of train

2) 1 km/hr = 5/18 (m/sec)

Calculation:-

The speed of train = 72 km/hr = 72 × (5/18) = 20 m/sec.

Therefore Time taken = 200/20 = 10 sec. = 10/60 = 1/6 min.

Therefore The required answer is (1/6) min.

Q67. Answer: (c) E

From the given graph, it can be seen that:

Lowest monthly profit = Rs. 150 thousand

Second lowest monthly profit = Rs. 200 thousand

Therefore Department E has the second lowest monthly profits

Q68. Answer: (b) 7 : 12

Monthly profit of department G = Rs. 350 thousand

Monthly profit of department B = Rs. 600 thousand

Therefore Required ratio = 350 : 600 = 7 : 12

Q69. Answer: (d) 20%

Monthly profit of department F = Rs. 500 thousand

Monthly profit of department B = Rs. 600 thousand

Therefore The monthly profit of department B is greater than that of department F by = [(600 – 500)/500] × 100 = 20%

Q70. Answer: (d) 125

Total monthly profit of the seven departments = 400 + 600 + 300 + 150 + 200 + 500 + 350

= Rs. 2500 thousand

Because Total monthly profit = 20% of Total monthly revenue

Therefore Total monthly revenue of company = (2500 × 10^3)/0.2 = Rs. 125 × 10^5 = Rs. 125 lakhs

Q71. Answer: (b) 168

Detailed solution:-

Let the length of the rectangle be ‘l’ cm

Breadth (b) = 7 cm

Diagonal (d) = 25 cm

Using Pythagoras's theorem, we have,

=> $d^2 = l^2 + b^2$

=> $l^2 = 25^2 – 7^2 = 625 – 49 = 576$

=> $l = \sqrt{576} = 24$ cm

Therefore Area of rectangle = length × breadth = 24 × 7 = 168 cm^2

Therefore The required answer is 168.

Q72. Answer: (d) 36

Shortcut Trick

For a semicircle, the area is (1/2) × π × r² = 77 cm².

=> (1/2) × (22/7) × r² = 77 => (11/7) × r² = 77 => r² = 49 => r = 7 cm.

The perimeter of a semicircle can be calculated directly as (36/7) × r (since π + 2 = 22/7 + 14/7 = 36/7).

=> Perimeter = (36/7) × 7 = 36 cm.

Therefore The correct answer is 36 cm.

Alternate Method

r

Area = 77 cm²

Perimeter = ?

Given:

Area of the semicircle = 77 cm²

Formula Used:

Area of a semicircle = (1/2) × π × r²

Perimeter of a semicircle = π × r + 2 × r

Calculations:

=> (1/2) × (22/7) × r² = 77

=> (11/7) × r² = 77

=> r² = 77 × 7 ÷ 11

=> r² = 7 × 7 = 49

=> r = √49 = 7 cm

Now, calculate the perimeter of the semicircle:

=> Perimeter = r × (π + 2)

=> Perimeter = 7 × (22/7 + 2)

=> Perimeter = 7 × (36/7)

=> Perimeter = 36 cm

Therefore The correct answer is 36 cm.

Additional Information

Circle Properties

The area of a full circle is πr² and its total circumference is 2πr.

Semicircle Perimeter

Unlike the area, the perimeter of a semicircle includes the straight diameter edge. Total Perimeter = πr + 2r.

Quadrant of a Circle

A quadrant is one-fourth of a full circle. Its Area = πr²/4 and its Perimeter = πr/2 + 2r.

Q73. Answer: (a) 1353

Given:-

Radius of cylinder = 21/2 = 10.5 cm

Height = 10 cm

Formula used:-

Because The total surface area of a cylinder with radius ‘r’ and height ‘h’ = 2πrh + 2πr²

Calculation:-

Therefore Total surface area of given cylinder = 2 × (22/7) × 10.5 × 10 + 2 × (22/7) × 10.5 × 10.5

= 660 + 693 = 1353 cm²

Therefore The required answer is 1353.

Q74. Answer: (b) √3 + 2

Given, in ΔXYZ, angle Y = 90° and angle X = 60°

Sum of angles of a triangle = 180°

=> angle X + angle Y + angle Z = 180°

=> 60° + 90° + angle Z = 180°

=> angle Z = 180° – 150° = 30°

Therefore (cot Z + 2) = cot 30° + 2 = √3 + 2

Q75. Answer: (b) 2.4

Detailed solution:-

In the given ΔABC,

tan A = opposite/adjacent = BC/AB = 12/5

Given, AB = 1 cm

Therefore BC = tan A = 12/5 = 2.4 cm.

Therefore The required answer is 2.4.

Q76. Answer: (d) International Monetary Fund

The correct answer is International Monetary Fund.

Key Points

• Special Drawing Rights (SDRs):-

• These are assets that are maintained by the IMF.

• The unit of SDR is XDR.

• These rights were created in 1969.

• There are only five currencies in the world which are associated with SDR and those currencies are the Chinese Yuan, Japanese Yen, American dollar, Euro, and Pound Sterling.

• International Monetary Fund:-

• The International Monetary Fund (IMF) is an organization of 189 member countries.

• The IMF also known as the Fund, was conceived at a UN conference in Bretton Woods New Hampshire, United States, in July 1944.

• The 44 countries at that conference sought to build a framework for economic cooperation to avoid a repetition of the competitive devaluations that had contributed to the Great Depression of the 1930s.

• IMF funds come from two major sources - Quotas and Loans.

• Headquarters - Washington D.C., United States.

• President - Kristalina Georgieva.

Additional Information

• World Bank:-

• The World Bank is an international financial institution that provides loans and grants to the governments of low- and middle-income countries for the purpose of pursuing capital projects.

• It comprises two institutions: the International Bank for Reconstruction and Development (IBRD), and the International Development Association(IDA).

• The headquarters of the World Bank is in Washington D.C. of the United States of America(USA).

• It has a total membership of 189 countries.

• It was established in the year 1945.

• Reserve Bank of India:-

• RBI was established in India on 1st April, in Kolkata in 1935 under the Reserve Bank Of India Act, 1934.

• It was set up on the recommendation of the Hilton Young Commission.

• RBI is the central bank of India and is responsible for the issue and supply of Indian currency.

• RBI is the regulatory body of the Indian Banking system and it is also managing a country's Payment system.

• World Trade Organization:-

• WTO is headquartered in Geneva, Switzerland.

• The World Trade Organization (WTO) is the only global international organization dealing with the rules of trade between nations.

• The WTO facilitates trade in goods, services, and intellectual property among participating countries by providing a framework for negotiating trade agreements.

• It aims to reduce or eliminate tariffs, quotas, and other restrictions; these agreements are signed by representatives of member governments

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Q77. Answer: (a) Second

The correct answer is Second.

Key Points

• The Khadi and Village commission was set up by the Govt. of India under the Khadi and Village Industries Commission Act of 1956. Its headquarters is in Mumbai. It is a statutory body. It comes under the Ministry of Micro, Small and Medium enterprises.

• The success of the First Five-year plan enhanced the confidence of the leaders. The agriculture growth aim in the first plan was attained, so the government quickly started looking beyond agriculture. The second five-year plan targeted the industry, specifically heavy industry. The target of a 25% enhancement in the national income was prescribed through instant industrialization.

• The second five-year plan was designed on the basis of the so-called Mahalanobis model. This was actually the USSR model Indianized by PC Mahalanobis, the father of the Indian Statistical Institute, and a close aide of Nehru.

• This model is considered to have set the statistical base for state-directed investments and established the intellectual underpinnings of the license-raj through a well-explained input-output model. This Model recommended that there should be a focus on the heavy industries, which can take the Indian Economy to a long-term greater growth path*. The* second five-year plan and Industrial policy Resolution 1956, which cleared the path for the improvement of the Public Sector and license raj; were based upon this model.

Additional Information

• Five-year plans details are as below-

• 1. First - 1951-1956, it was based on the Harrod-Domar Model.

• 2. Second - 1956-61, PC Mahalanobis Model.

• 3. Third- 1961-66 - Gadgil Plan

• 4. Plan Holidays - 1966-69

• 5. Fourth - 1969 to 1974, under the leadership of Indira Gandhi.

• 6. Fifth - 1974-78, focused on Garibi Hatao.

• 7. Rolling Plan - 1978 to 1980.

• 8. Sixth - 1980 to 1985, based on Investment Yojna.

• 9. Seventh - 1985-90, under Rajiv Gandhi's leadership.

• 10. Annual Plans - 1990-92.

• 11. Eight Plan - 1992-97, priority given to the development of human resources.

• 12. Ninth Plan - 1997-02, focused on 'growth with justice and equality'.

• 13. Tenth Plan - 2002-07 - focused to double per capita income.

• 14. Eleventh Plan - 2007-12 - prepared by C Rangarajan.

• 15. Twelfth Plan - 2012-17- the theme was 'faster, more inclusive, and sustainable growth'.

Q78. Answer: (c) Sultan of Bijapur

The correct answer is Sultan of Bijapur.

Key Points

• The French East India Company acquire Pondicherry from the Sultan of Bijapur.

• French came to India in 1664 and started their trading activities. At the same time, they were also finding new ways to expand in India.

• Pondicherry is made up of four regions like Yanam, Mahe, Karaikal and Pondicherry.

• In 1962, the French gave Pondicherry to Indian Government by a treaty.

Q79. Answer: (c) Lord Dalhousie

The correct answer is Lord Dalhousie

Key Points

• Lord Dalhousie started the postage stamps in India in 1854 which gave Indians a new way to communicate through postcards in those years.

• However, it was a step to make the British Empire efficient in terms of fast communication during the struggle for freedom.

• He served as governor-general of India from 1848-1856.

• The first attempt towards railway construction in India was made by Lord Dalhousie in 1853 AD.

• It was laid between Bombay to Thane at the time of Dalhousie.

• The last expansion of British Indian territory took place during Dalhousie.

• During his tenure, a separate public Works Department was created for the first time.

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Additional Information

• Lord Ripon (1880-1884)

• He is known as the father of local self-government as the resolution was passed in his tenure.

• The first factory act (1881) was passed him which prohibited working children below seven years and a limited number of working hours for children below 12 years.

• He also increased the age requirement for civil services from 18 years to 21 years.

• He repealed Vernacular Press Act and allowed freedom of the press.

• He continued the policy of financial devolution inaugurated under Lord Mayo

• Lord Lytton

• The Vernacular Press Act (1878)

• The Arms Act (1878)

• The Second Afghan War (1878-80)

• Queen Victoria assumed the title of 'Kaiser-i-Hind' or Queen Empress of India

• Lord Canning

• Revolt of 1857

• Establishment of three universities at Calcutta, Madras, and Bombay in 1857

• Abolition of East India Company and transfer of control to the Crown by the Government of India Act, 1858

• Indian Councils Act of 1861

Q80. Answer: (c) at the time of volcanic eruption

The correct answer is at the time of the volcanic eruption

Key Points

• A volcano is an opening in the earth's crust through which gasses, and molten rocks material. ash. stream, etc are emitted outward in the course of an eruption.

• Types of Volcanoes

• Sheild volcanoes

• Composite volcanoes

• Caldera

• Flood Basalt Provinces

• Mid-Ocean Ridge volcanoes

• Volcanoes are also classified as

• Active volcanoes - An active volcano is a volcano that has had at least one eruption during the past 10,000 years.

• Dormant volcanoes- A dormant volcano is an active volcano that is not erupting but is supposed to erupt again.

• Extinct volcanoes- An extinct volcano has not had an eruption for at least 10,000 years and is not expected to erupt again in a comparable time scale in the future.

Q81. Answer: (b) 1953 AD

The correct answer is 1953 AD

Key Points

• Edmund Hillary and Tenzing Norgay were the first people to climb Mount Everest.

• They achieved this feat together on May 29, 1953.

• Edmund Hillary was from New Zealand.

• Tenzing Norgay was a Nepali Indian mountaineer, belonging to the Sherpa tribe.

Important Points

• Mount Everest is the tallest peak in the world

• Its height is 8848m(its height is increasing)

• It is located in the Greater Himalayas in Nepal

• It runs along the border of Nepal and China

• It can be accessed through Nepal as well as China

• Most of the expeditions of the Himalayas takes place from Nepal.

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Q82. Answer: (c) Ghumar

The correct answer is Ghumar

Key Points

• Ghoomar or Ghumar is a traditional folk dance of Rajasthan.

• It was the Bhil tribe who performed it to worship Goddess Sarasvati which was later embraced by other Rajasthani communities.

• The dance is chiefly performed by veiled women who wear flowing dresses called ghaghara.

Additional Information

Dance	State
Chhau	Jharkhand
Giddhaa	Punjab
Lavani and Tamasha	Maharashtra
Bihu	Assam

Q83. Answer: (b) Myanmar

The correct answer is Myanmar.

Key Points

• Kaladan multi-modal transport project:-

• Kaladan multi-modal transport project is the main project between India and Myanmar.

• It will connect the Eastern seaport of Kolkata with the Rakhine state.

• It will reduce the distance between Kolkata and Sittwe by a great margin i.e. 1328 Km.

• Kaladan is a river in Myanmar from which this name has been taken.

• Being a key connectivity project, it will promote economic, commercial and strategic links between India and Myanmar.

• The transit route envisaged between Kolkata (nearest Indian port / commercial hub) and Mizoram as per the current implementation programme (after revision of the DPR for Port & Inland Water Transport components by Inland Waterways Authority of India in 2009) comprises of following segments:-

Stretch	Mode	Distance
Kolkata to Sittwe port in Myanmar	Shipping	539 km
Sittwe to Paletwa (River Kaladan)	Inland Water Transport (IWT)	158 km
Paletwa to Indo-Myanmar Border (in Myanmar)	Road	110 km
Border to NH.54 (Lawngtlai) (in India)	Road	100 km

Q84. Answer: (b) Manmohan Singh

The correct answer is Manmohan Singh

Key Points

• Indira Gandhi Peace Prize was established in 1986.

• This price is given in the field of promoting international peace around the world.

• It is awarded by the Gandhi Memorial Trust in memory of Indira Gandhi.

Q85. Answer: (d) Maithili

The correct answer is Maithili

Key Points

• Maithili:

• Maithili is an Indo-Aryan language native to the Indian subcontinent, mainly spoken in India and Nepal.

• In India, it is spoken in the states of Bihar and Jharkhand and is one of the 22 recognized Indian languages.

• In Nepal, it is spoken in the eastern Terai and is the second most prevalent language of Nepal.

• Tirhuta was formerly the primary script for written Maithili.

• Less commonly, it was also written in the local variant of Kaithi.

• It is written in the Devanagari script.

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• Maithili language in Bihar is included in the Eighth Schedule of the Indian Constitution by the 92nd Constitutional Amendment Act, 2003.

Q86. Answer: (c) 8

The correct answer is 8.

Explanation:

• That is the maximum number of electrons you can have in the valence, i.e outermost shell is 8.

• The number of electrons present in the outermost orbit of an atom is called Valency.

• As every atom tries to reach the octet configuration (8 Electrons in Outer most orbit) and thereby has a full outer shell.

• Each shell can contain only a fixed number of electrons. The general formula is that the nth shell can in principle hold up to $2n^2$ electrons.2n22?2 electronsUnknown node type: span[Math Processing Error]2?2 electronsUnknown node type: span

2n2

• An element attains stability when it achieves either a duplet or octet configuration.

• An octet configuration means that the outermost orbit/ Valence shell of electrons has 8 electrons in it and the duplet has 2 electrons in its outermost orbit/ Valence shell.

• An example of both duplet and octet configuration is water (H2O) in which oxygen gets its octet configuration and Hydrogen gets its duplet configuration.

Q87. Answer: (a) Only I and II

The correct answer is only I and II.

Explanation:

• In saturated carbon compounds, a compound has a chain of atoms linked together by single bonds.

• In unsaturated compounds, atoms are linked together by double and triple bonds like alkenes and alkynes.

• Alkanes are saturated hydrocarbons that contain a single bond.

• Saturated hydrocarbon contains a carbon-carbon and carbon-hydrogen single bond.

• Hydrocarbons: All carbon compounds which contain only carbon and hydrogen are called hydrocarbons.

• The general Formula for Alkanes is CnH2n+2.

• Example: Ethane (C2H6)

• Alkynes are unsaturated hydrocarbons that contain one or more triple bonds.

• Unsaturated hydrocarbon: They contain carbon-carbon multiple bonds such as double bonds, triple bonds etc.

• The general formula for Alkynes is CnH2n-2.

• Example: Acetylene (C2H2).

• Alkenes are unsaturated hydrocarbons that contain one or more double Bonds.

• The general formula for Alkenes is CnH2n.

• Example: Ethylene (C2H4).

Q88. Answer: (b) Prorogation

The correct answer is Prorogation

Key Points

• It is the process from one session to another session. Prorogation terminates a session.

Additional Information

Adjournment	**Terminated a sitting for a particular working day, hours, or week.**
Dissolution	Terminated the term of Lok Sabha itself
Quorum	Minimum member in the house to continue the proceedings of the day; one-tenth of total members

Q89. Answer: (b) State Emergency

The correct answer is State Emergency

Key Points

• State emergency is also known as the President’s rule in laymen's language.

• A state emergency can be proclaimed on the order of the President with advice from the council of ministers.

• It is entertained under article 356 of the Indian Constitution.

Additional Information

Financial emergency	Article 360
National emergency	Article 352
State Emergency	Article 356

Q90. Answer: (d) Cartilage

The correct answer is Cartilage.

Explanation:

• Rings of cartilage are present in the throat to ensure that the air passage does NOT collapse.

• Cartilage is a flexible tissue which is present in the windpipe or trachea. It helps the windpipe to move while breathing. It does not contain blood vessels or nerves.

Tendon	It connects muscles to the bone but it is inelastic in nature
Ligament	It is a connective tissue which joins bone to bone.
Bone	It is very hard and whitish and makes up the skeleton.

Q91. Answer: (c) Cell theory

The correct answer is Cell theory.

Explanation:

Cell theory was a revolution in the evolution of animals on Earth. It is a very basic theory on which the kingdom of organisms depends because each organism, unicellular or multicellular starts with a cell, the basic unit of life.

Theory of evolution	Change in the generation of the hereditary characteristic by generation; was given by Charles Darwin
Theory of inheritance	Also known as the Sutton-Boveri theory; it identifies the importance of chromosomes in carrying genetic inheritance from generation to generation
Theory of natural selection	It is the theory of survival as each organism depends upon some essential conditions to survive and it is the key mechanism of evolution through adaptation.

Q92. Answer: (b) 115

The correct answer is 115.

Key Points

• In November 2017, at the first meeting of Prabhari Officers, a Major Policy initiative was launched for the transformation of 115 backward districts across the country.

• This initiative was taken as a step towards making New India the vision of Prime Minister Narendra Modi.

• Of these 115 districts in which 35 are affected by left-wing extremism violence, 55 are LWE affected and another 15 are affected by the terrorism in Kashmir valley.

Q93. Answer: (c) Excitonium

The correct answer is Excitonium

Key Points

• Excitonium is made up of a kind of boson.

• A boson can allow a matter to behave as a superconductor or superfluid or even an electronic crystal.

• It is a condensate form of excitons, according to researchers.

Q94. Answer: (b) P-notes

The correct answer is P-notes

Key Points

• P-notes are called participatory notes in business terms.

• P-notes are used by foreign or overseas investors to invest in the Indian stock market. Only those investors can invest who are registered with the SEBI.

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Q95. Answer: (b) RBI

The correct answer is RBI.

Key Points

• NABARD Bill 2017 seeks to amend NABARD Act, 1981. In the amended act, govt. is going to take 51% stakes in the NABARD. Govt. is going to share the capital which is held by the RBI.

• NABARD is responsible for providing loans and credit facilities in rural and agricultural areas.

Additional Information

Authority	Function
SEBI- Securities and Exchange Board of India	To regulate the stock market in India
TRAI-Telecom Regulatory Authority of India	To regulate Telecom operators in India
IRDAI-Insurance Regulatory and Development Authority	To regulate insurance companies in India

Q96. Answer: (c) 32

CONCEPT:

• Momentum (p): The product of mass and velocity is called momentum.

Momentum (p) = mass (m) × velocity (v)

CALCULATION:

Given that:

Here v = 4 m/s and m = 8 kg

Momentum (p) = 8 × 4 = 32 kg metre/second

Q97. Answer: (b) doubles

CONCEPT:

• Momentum (P): The product of mass and velocity is called momentum.

• The SI unit of momentum is kg m/s.

• Momentum (P) = Mass (m) × Velocity (v)

EXPLANATION:

Since, P = m v

Let the initial velocity of the body be v

Since the Mass of the body is constant

So, P1 = m v ----(i)

According to the question

The new velocity of the body = 2v

New Momentum (P2) = m × 2v

=> P2 = 2mv ----(ii)

On dividing (ii) by (i), we get

P2/P1 = 2mv/mv

=> P2 = 2 P1

Therefore The momentum will be doubled.

Key Points

• If the velocity of a body is doubled then its momentum doubles because velocity is directly proportional to momentum. So option 2 is correct.

Q98. Answer: (b) Plate

The correct answer is Plate.

Key Points

• Each fragment of the Earth's crust is known as a Plate.

• Earth consists of three parts.

1. The crust
2. The mantle
3. The core

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• The Crust is the outer layer of the Earth and it is very thin compared to the core and mantle. It is made up of igneous, sedimentary, and metamorphic rocks.
• There are two types of crust viz oceanic and continental.
• The mantle lies below the crust and it is up to 2900 km thick.
• The core is the centre of the earth.

Additional Information

• Earth's crust consists of 15 to 20 moving plates known as tectonic plates.
• There are seven major plates which form the continents.
• There are eight minor plates in the earth's crust.

Q99. Answer: (c) Only C

The correct answer is Only C

Key Points

• (a) Valentino Rossi won the Dutch TT MotoGP motorcycle race in 2017; statement A is wrong.
• (b) Rishabh Pant was retained by the Delhi Daredevils in IPL 2018; so, the statement is wrong.
• (c) In 2017, Vincent Kompany captained the Premier League team Manchester City. Statement C is completely correct.

Q100. Answer: (b) Technological

The correct answer is Technological

Important Points

• Application software is a type of software or program that is designed to complete a specific task.
• The first user deal with system software after that he/she deals with application software.
• It is also known as an end-user program or a productivity program.
• Examples of Application Software - Word processing software, Spreadsheets Software, Presentation, Graphics, CAD/CAM, Sending an email, etc.
• An Operating System (OS) is an interface between a computer user and computer hardware.
• An operating system is software that performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers.

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