SSC CHSL Previous Paper 57 (Held On: 27 March 2018 Shift 2) (Previous Year Paper)

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

Take this paper as a timed mock test

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

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

1 question is in Hindi and not printed here. Each one links to the online version, where you can read it.

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) gimmic
(b) gimick
(c) gimmick
(d) gimic

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.

They were quite

A- I was fluent in English

B- fascinated, and were quick to

C- remark that they were surprised

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

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”.

She thought she (have rediscovered) her real self after a long time.

(a) had rediscovered
(b) had rediscover
(c) had rediscovering
(d) no improvement

Q4. 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”.

A neem tree grew as a bonus on the side, raising its head high as if it wants (will peep) into my bedroom.

(a) peep
(b) peeped
(c) to peep
(d) no improvement

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

Expel someone from a property, especially with the support of the law

(a) Genial

(b) Evict
(c) Cordial
(d) Convivial

Q6. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

Of or connected with the sense of touch

(a) Apperception
(b) Eavesdrop
(c) Tactile
(d) Hark

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

Run out of steam

(a) Lose impetus or enthusiasm.
(b) To keep going even after losing all energy.
(c) Have no more funds to proceed any further.
(d) Build interest as you go along.

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

Lend me your ear

(a) To politely ask for someone's full attention.
(b) Begging someone to listen to your grievances.
(c) When nobody is willing to hear your side of the story.
(d) Call someone for severe scolding.

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.

Go away by _____ to some place where you will not be disturbed. ___ course, not always and very rarely can you obtain this condition. ___ mind. Do your best where you are and the great law will at least find for you all necessary conditions. Shut out all distracting conditions and ___ from the outer world. After a little effort you will be able to do so anywhere, at any time, and under any condition. All mental _____ is within you.

Q9. Go away by _____ to some place where you

(a) you
(b) yourself
(c) your
(d) them

Q10. disturbed. _____ course, not always

(a) For
(b) Of
(c) Off
(d) From

Q11. this condition. _____ mind

(a) No
(b) Never
(c) None
(d) Not

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Q12. conditions and _____ from the outer

(a) impress
(b) impression
(c) impressions
(d) impressed

Q13. All mental _____ is within you.

(a) disturb
(b) disturbance
(c) disturbed
(d) disturbs

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) Forceibly
(b) Forciebly
(c) Fourcibley
(d) Forcibly

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.

She says, “I am playing tennis.”

(a) She says that she will be playing tennis.
(b) She said she are playing tennis.
(c) She said she was playing tennis.
(d) She says that she is playing tennis.

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.

Who burned the food?

(a) By who was this food burned?
(b) By whom was that food burned?
(c) By whom was the food burned?
(d) By whom is this food burned?

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

Ever since

P : outbreaks have been an annual occurrence

Q : Indian shores during the 2009 pandemic,

R : the influenza virus H1N1 landed on

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

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

Incarcerate

(a) Release
(b) Confine
(c) Detain
(d) Commit

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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.

Discordant

(a) Aggressive
(b) Agreeable
(c) Noisy
(d) Differ

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

Arbitrary

(a) Methodical
(b) Penetrable
(c) Random
(d) Artful

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

Palliate

(a) Accuse
(b) Relieve
(c) Condemn
(d) Exacerbate

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.

She must _____ a great time at her birthday party.

(a) be having
(b) has
(c) be had
(d) is having

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.

Ignoring someone in pain is an _____ act.

(a) immortal
(b) aggravating
(c) immoral
(d) fecund

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'.

Four famous Sikh shrines in Delhi will go green (1)/by employing solar energy (2)/to meet its daily power needs from April. (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 the appropriate option. If a sentence is free from error, select 'No Error'.

Cybercrime cases pose various kinds of (1)/challenges which requires strengthening of (2)/the institutional mechanism. (3)/No error (4)

(a) 1

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

GENERAL INTELLIGENCE

Q26. Select the related word from the given alternatives.

Nest : Bird ? ? : ?

(a) King : Palace
(b) Horse : Sty
(c) Web : Spider
(d) Lion : Den

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

47 : 57 ? 93 : ?

(a) 103
(b) 122
(c) 114
(d) 98

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

UCG : WEI ? ? : ?

(a) RPC : TRE
(b) PWC : RYD
(c) JLR : KNT
(d) LPJ : NQL

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

(a) Square - Four
(b) Hexagon - Six
(c) Cone - Figure
(d) Triangle - Three

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) 2 - 8
(b) 4 - 12
(c) 8 - 24
(d) 10 - 30

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

(a) HQX
(b) CLU
(c) ENW
(d) GPY

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

1. Sloven
2. Slur
3. Smack
4. Slogan
5. Sluggy

(a) 25143

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(b) 32541
(c) 12453
(d) 41523

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

1912, 2012, 2133, 2277, 2446, ?

(a) 2642
(b) 2964
(c) 2738
(d) 2858

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

AFGH, BHJL, CJMP, DLPT, ?

(a) FMTY
(b) FMSX
(c) ENSX
(d) YNSZ

Q35. Z's present age is 55 years. If 11 years ago, C's age was 1/11 of Z's age, then after how many years C's age will become 37 years?

(a) 22
(b) 20
(c) 17
(d) 15

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

Mindboggling

(a) Dog
(b) Going
(c) Mid
(d) Might

Q37. In a certain code language, "SLOPE" is written as "54973" and "CRAMP" is written as "18627". How is "PROMO" written in that code language?

(a) 76828
(b) 96838
(c) 76939
(d) 78929

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

1 × 16 ÷ 15 - 10 + 6 = ?

(a) 42
(b) 19
(c) 30
(d) 10

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

12 - 12 ÷ 25 × 10 + 10 = 25

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

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Q40. If 5 * 9 = -45, -3 * 7 = 21 and -2 * 3 = 6, then find the value of 3 * -7 = ?

(a) -54
(b) -11
(c) -8
(d) 21

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

YXXXXXXY, YXXXXXYX, YXXXXYXX, YXXXYXXX, YXXYXXXX, _____.

(a) YYXXXXXX
(b) YXXXXXXY
(c) YXXXXXYX
(d) YXYXXXXX

Q42. After their day's work two village women are returning home. The first woman walks 1.5 km West, then turns to her right and walks 3 km to reach her house. In the mean while the second woman walks 1 km North, then she turns East and walks 3.5 km, then she turns to her left and walks 2 km to reach her house. Where is the first woman's house with respect to the second woman's house?

(a) 2 km West
(b) 5 km East
(c) 5 km West
(d) 2 km East

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 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 notebooks are diaries.

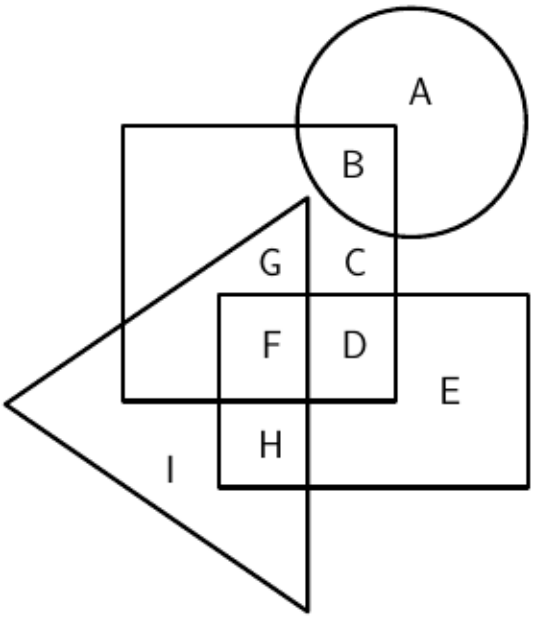
Statement II: All books are notebooks.

Conclusion I: All diaries are books.

Conclusion II: All books are diaries.

(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 brand managers, circle represents cartoonists, triangle represents sculptors and square represents fathers. Which set of letters represents fathers who are either brand managers or cartoonists?



(a) GDF
(b) FDB
(c) BCG
(d) FDH

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

MPK, NRN, OTQ, PVT, ?

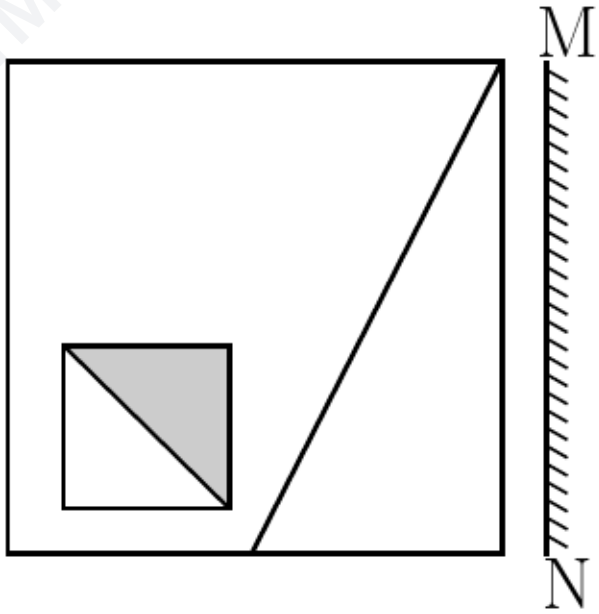
(a) QXW
(b) PYY
(c) PYX
(d) QXY

Q46. This question is in Hindi. Read it online.

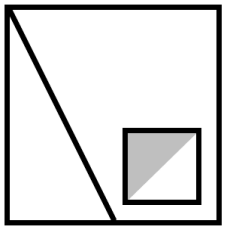
Q47. In the following question, four groups of three numbers are given. In each group, the second and third numbers are related to the first number by a Logic/Rule/Relation. Three are similar on the basis of the same Logic/Rule/Relation. Select the odd one out from the given alternatives.

(a) (5, 19, 9)
(b) (7, 29, 13)
(c) (15, 59, 29)
(d) (12, 47, 23)

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

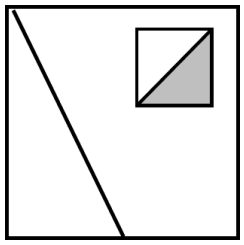


(a)

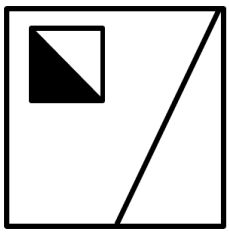


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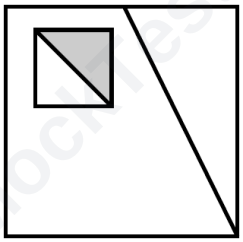
(b)



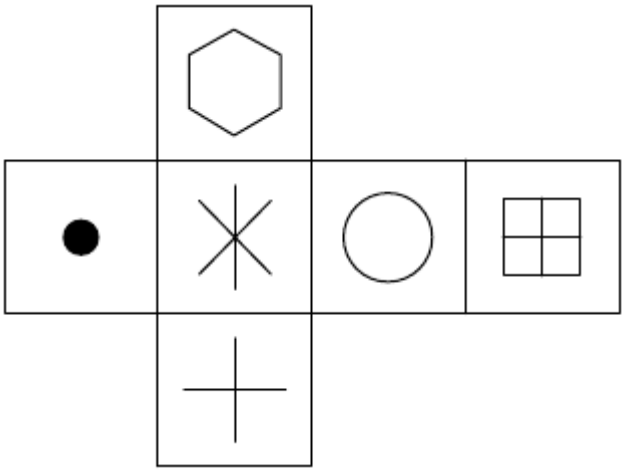
(c)



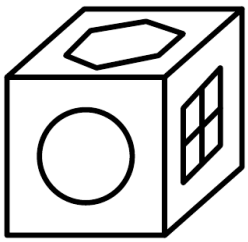
(d)



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

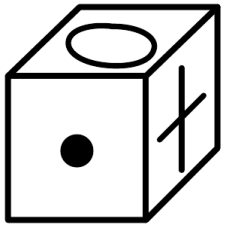


(a)

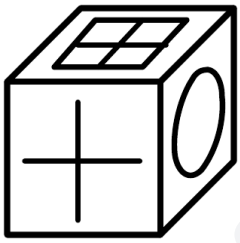


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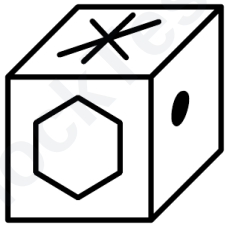
(b)



(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 resented 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 a Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and row and next by its column, for example, 'B' can be represented by 41, 32 etc., and 'Y' can be represented by 87, 96 etc. Similarly, you have to identify the set for the word "SLAM".

Matrix-I					
	0	1	2	3	4
0	J	L	M	G	J
1	A	E	D	H	K
2	C	G	D	H	E
3	L	K	B	C	M
4	E	B	C	A	F

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

(a) 75, 30, 43, 34
(b) 13, 68, 21, 99
(c) 22, 87, 43, 98

(d) 24, 85, 31, 57

QUANTITATIVE APTITUDE

Q51. When a number is divided by 63 the remainder is obtained as 26. What will be the remainder when the number is divided by 3?

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

Q52. Determine the value of '?' in (1 - 1/2)(1 - 1/3) … … (1 - 1/n) = ?

(a) 2/n
(b) $1/n^2$
(c) 1/n
(d) $2/n^2$

Q53. If $x^2 + 4y^2 + z^2 - 4x - 2z + 5 = 0$, then find the value of (y^(15) + x^5)/(z^(14)).

(a) 32
(b) 46
(c) 58
(d) 60

Q54. If $x + 1/x = 7/(\sqrt{6})$ and $x > 1/x$, then find the value of $(x^3 - 1/(x^3))$.

(a) • 215/(6√6)
(b) • 215/(√6)
(c) 215/(√6)
(d) 215/(6√6)

Q55. If four angles of a quadrilateral are (6x - 18), (80 - 4x), (4x + 14), (12x - 58), then find the value of the smallest angle of the quadrilateral.

(a) 4°
(b) 10°
(c) 18°
(d) 20°

Q56. Assume that the area of a triangle ABC is equal to 24 sq units. Find the area (in sq. units) of the triangle formed by joining the midpoints of side AB, BC, CA.

(a) 6
(b) 12
(c) 18
(d) 24

Q57. If A is 50% more than B, then B is what percent of A?

(a) 66.66
(b) 33.33
(c) 150
(d) 75

Q58. The ratio of incomes of C and D is 3 : 2. Ratio of income of D and E is 5 : 4. If one-third of C's income is Rs. 4000 more than the half of E's income, then what is D's income (in Rs.)?

(a) 40000
(b) 43000
(c) 50000
(d) 60000

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Q59. A, B and C start a business and the ratio of their investment is 8 : 5 : 3. If at the end the ratio of their profits is 4 : 15 : 6, then what is the ratio of time period of their investment?

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

Q60. Of the 5 subjects, the average marks of Rakesh in first 3 Subjects was 79 and the average marks in the last 3 subjects was 86. If his marks in the third subject were 80, then what were his average marks in all the 5 subjects?

(a) 81
(b) 82
(c) 83
(d) 85

Q61. A certain sum of money becomes double of itself in 15 years at a rate of simple interest. In how many years will it become 5 times of itself at the same rate of simple interest?

(a) 45
(b) 37.5
(c) 75
(d) 60

Q62. Ramesh sells an article at a loss of 5%. If he buys it for 30% less price and sells it for Rs. 38.5 less, then his profit will be 20%. What is the cost price (in Rs.) of the article?

(a) 450
(b) 300
(c) 350
(d) 250

Q63. If the ratio of marked price and selling price is 11 : 10, then what is the discount percentage?

(a) 11.11
(b) 17.28
(c) 12.5
(d) 9.09

Q64. If the value of √42 is approximately 6.480, then what is the approximate value of √(6/7)?

(a) 0.925
(b) 0.935
(c) 0.945
(d) 0.955

Q65. Robin can do a work in 10 hours. Pradeep and Robin together can do the same work in 4 hours. Pradeep and Nitin together can do the same work in 5 hours. In how many hours will Nitin complete the same work?

(a) 12
(b) 15
(c) 18
(d) 20

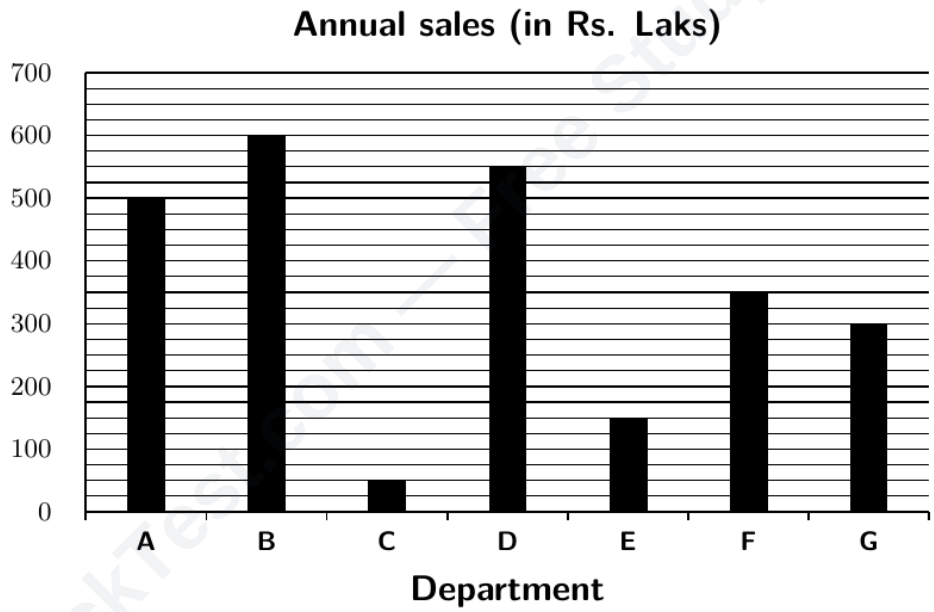
Q66. Two trains move from stations M and N respectively. Both trains move towards each other at speeds of 54 km/hr and 63 km/hr respectively. When they meet each other, the second train has travelled 100 km more than the first. What is the distance (in km) between M and N?

(a) 600
(b) 700
(c) 1300
(d) 1500

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Directions

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



Q67. Which department has the second highest annual sales?

(a) D
(b) A
(c) B
(d) F

Q68. What is the ratio of the annual sales of department B to that of department F?

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

Q69. The annual sale of department F is lesser than that of department A by _____.

(a) 150%
(b) 30%
(c) 75%
(d) 42.8%

Q70. If the company has only 7 departments then what is the annual profit (in Rs. lakhs) of the company if the annual profit was 10% of the total annual sales of the company?

(a) 250
(b) 25
(c) 240
(d) 24

Q71. The length and breadth of a rectangle are 15 cm and 8 cm respectively. Find its area (in cm^2).

(a) 240
(b) 208
(c) 416
(d) 120

Q72. The area of a circle is 38.5 cm². Find its circumference (in cm).

(a) 44
(b) 24
(c) 48
(d) 22

Q73. Find the curved surface area (in cm²) of a right circular cylinder of diameter 42 cm and height 14 cm.

(a) 1848
(b) 1716
(c) 1621
(d) 1587

Q74. ΔDEF is right angled at E. If mangle F = 45°, then find the value of (cosec D - 1/√3).

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

Q75. ΔDEF is right angled at E. If tan D = 4/3, then what is the value of tan F?

(a) 3/4
(b) 5/3
(c) 4/5
(d) 4/3

GENERAL AWARENESS

Q76. Which of the following is a component of M-1?

(a) Savings Deposits
(b) Credit Card
(c) Checkable Deposits
(d) Gold

Q77. Invisible export means export of _____.

(a) Services
(b) Prohibited Goods
(c) Restricted Goods
(d) Goods as Per ogl List

Q78. What is called the speedy cold winds blowing from the Uruguay side in the Pampas region of Argentina?

(a) Levant
(b) Pampero
(c) Harmattan
(d) Karaburan

Q79. Which of the following cities is NOT situated on the banks of any river?

(a) Surat
(b) Cuttack
(c) Bhopal
(d) Mysore

Q80. Who among the following Mughal Emperors wrote his autobiography in Persian?

(a) Babar
(b) Akbar
(c) Jahangir
(d) Aurangzeb

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Q81. In which of the following years was the 'Caste Disabilities Act' passed?

(a) 1850
(b) 1860
(c) 1863
(d) 1876

Q82. Guru Gobind Singh, the 10th Guru of Sikhs, was the son of _____.

(a) Guru Nanak Dev
(b) Guru Arjun Dev
(c) Guru Ramdas
(d) Guru Teg Bahadur

Q83. Which of the following gulf countries announced to form a new economic and partnership group named 'Joint Cooperation Committee' in December 2017?

(a) UAE and Saudi Arabia
(b) Qatar and UAE
(c) Bahrain and Kuwait
(d) Oman and Saudi Arabia

Q84. Which Chief Minister was awarded for the prestigious Global Agriculture Leadership Award 2017 by the Indian Council of Food and Agriculture (ICFA)?

(a) Chandrababu Naidu
(b) Nitish Kumar
(c) K. Chandrasekhar Rao
(d) VasundharaRaje

Q85. At present, who is the President of Nepal?

(a) Bidya Devi Bhandari
(b) Ram BaranYadav
(c) Khil Raj Regmi
(d) Girija Prasad Koirala

Q86. Hydrogenation process is associated with which of the following?

(a) Rubber
(b) Petroleum
(c) Copper
(d) Edible fats

Q87. Which element is generally NOT radioactive?

(a) Thorium
(b) Polonium
(c) Germanium
(d) Plutonium

Q88. In Indian Parliamentary System, Gram Panchayat is elected for how many years?

(a) Two years
(b) Three years
(c) Four years
(d) Five years

Q89. Under universal adult franchise, people of what age have the right to vote, irrespective of their social or economic backgrounds?

(a) 16 years and above
(b) 17 years and above
(c) 18 years and above

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(d) 21 years and above

Q90. Which part of the flower produces pollen grains that are generally yellowish in colour?

(a) Sepals
(b) Petals
(c) Stamens
(d) Carpels

Q91. Which type of permanent tissue helps the aquatic plants to float?

(a) Aerenchyma
(b) Collenchyma
(c) Sclerenchyma
(d) No option is correct.

Q92. In December 2017, who launched 'Livestock Disease Forewarning - Mobile Application (LDF-Mobile App)'?

(a) J. P. Nadda
(b) Radha Mohan Singh
(c) Ram Vilas Paswan
(d) Harsimrat Kaur Badal

Q93. What is the name of the most ancient spiral galaxy that existed 11 billion years ago?

(a) A1689 B01
(b) A1689 B10
(c) A1689 B20
(d) A1689 B11

Q94. Y. H. Malegam Committee is an expert committee constituted by the Reserve Bank of India to look into which of the following issues?

I. Classification of bad loans

II. Effectiveness of audits

III. Rising incidents of fraud

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

Q95. 'Protocol for Star Rating of Garbage-Free Cities' launched on January 20, 2018 will be rating cities on _____ rating system.

(a) 3-star
(b) 4-star
(c) 5-star
(d) 7-star

Q96. Calculate the time period (in seconds) of a sound wave of wavelength 4 m travelling with a speed of 500 m/s.

(a) 2000
(b) 0.016
(c) 1000
(d) 0.008

Q97. Propagation of sound can be visualised as propagation of _____ variations in the medium.

(a) Elasticity
(b) Viscosity
(c) Density
(d) Porosity

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Q98. During the day, the direction of the wind would be from the _____.

(a) Sea to the land
(b) Land to the sea
(c) Valleys to the mountains
(d) Mountains to the valleys

Q99. Which of the statements given below are correct?

A) Viktor Axelsen won the Badminton 2017 BWF Super Series Finals Men's Singles.
B) Alexander Zverev won the Tennis 2017 Italian Open Men's Singles.
C) In the 2018 IPL auctions, Delhi Daredevils retained Hardik Pandya only.

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

Q100. In HTML, _____ attribute is used to display characters as asterisks.

(a) TYPE = "TEXT"
(b) TYPE = "PASSWORD"
(c) TYPE = "RADIO"
(d) TYPE = "CHECKBOX"

ANSWER KEY

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

SOLUTIONS

Q1. Answer: (c) gimmick

The correct answer is gimmick.

Key Points

• The correct spelling of the word is gimmick.
• Meaning- a trick or device intended to attract attention, publicity, or business
• Synonyms - trick, flamboyance, flaunt, eye-catching, publicity, device etc.
• Antonyms- uncreative, unimaginative, dull, hackneyed, impractical.

Additional Information

• Example - A gimmick is a trick intended to attract others' attention.
• Pronunciation - g?m?k

Q2. Answer: (c) BCA

The correct option will be BCA.

Key Points

• ‘They were quite’ is in the past tense. So, the verb that follows should be in the past tense 'fascinated'.

• This implies part B should be the first in the sequence.

• Also, the verb that follows is in simple present. So, the next part of the sequence is C.

• Part A forms a suitable ending of the sentence.

• They were quite fascinated and were quick to remark that they were surprised I was fluent in English. This will be the correct order of the sentence, as this gives proper meaning to the sentence.

• Thus, the correct sequence is BCA, making option 3 the correct answer.

Q3. Answer: (a) had rediscovered

The correct answer is had rediscovered.

Key Points

• Every sentence follows the rule of tense consistency.

• The first part of the sentence is in the simple past tense (She thought). So, the next action that we talk about should be in Past Perfect tense (had + verb^3).

• Examples-

• I found that I had forgotten the formula.

• Indian team won the test match as all the players had contributed in the field.

Q4. Answer: (c) to peep

The correct answer is 'To peep'.

Key Points

• To Peep means to secretly look at something.

• 'wants will peep’ is not grammatically correct and hence, the sentence needs an improvement.

• The correct phrase we are looking for is to peep.

• The verb that follows wants should use the preposition to (examples: wants to eat, wants to sleep, wants to dance, etc.)

Correct sentence - A neem tree grew as a bonus on the side, raising its head high as if it wants to peep into my bedroom.

Thus, the correct answer is option 3.

Additional Information

The to-infinitive can be used to express purpose or necessity after a verb followed by a pronoun or a noun.

Ram wants to play cricket all day long.

Q5. Answer: (b) Evict

The correct answer is Evict.

Key Points

Expel someone from the property - to oust somebody, to make one's way out.

Evict - to force someone to leave a place.

Additional Information

• Genial - friendly and pleasant

• Cordial - friendly and polite in a formal way

• Convivial - pleasant and friendly in manner or attitude

Q6. Answer: (c) Tactile

The correct answer is Tactile.

Key Points

• Let us look at the meanings of the given words:

• Apperception – the attainment of full awareness of a sensation or an idea

• Example: The child's apperception of mathematics concepts improved significantly after the teacher used practical examples.

• Eavesdrop – to listen to a private conversation secretly

• Example: He didn't mean to eavesdrop, but the conversation on the other side of the wall was too loud to ignore.

• Tactile – related or connected to the sense of touch

• Example: The tactile nature of clay makes it a popular medium for children learning about 3D art.
• Hark – to listen attentively
• Example: As we sat around the campfire, we would hark to the sounds of nature, becoming one with the forest around us.
Additional Information
• Synonyms of tactile: palpable, tactual, material, tangible, physical, solid.
• Antonyms of tactile: intangible, abstract, impalpable, abstract, imperceptible.
Thus, the word tactile expresses the desired meaning, making option 3 the correct answer.

Q7. Answer: (a) Lose impetus or enthusiasm.

The correct answer is Lose impetus or enthusiasm.
Key Points
• The phrase 'run out of steam' means to suddenly lose enthusiasm and interest.
• Example :- After the defeat in the first match the Indian team has run out of steam.
We should not run out of steam on the course of completion of an important project.
Additional Information
• Impetus means- something that encourages something else to happen.
• enthusiasm means- a strong feeling of excitement or interest in something.
• Hint
• Run out of steam phrase has been derived from the use of old Steam engines.
• When the power in the form of Heat energy is too low to produce Steam from the Boiler inside the engine, it is said that the train has run out of steam.

Q8. Answer: (a) To politely ask for someone's full attention.

The correct answer is To politely ask for someone's full attention.
Key Points
The meaning of the idiom 'Lend me your ear' is to ask for someone's full attention.
Example: My parents are always willing to lend an ear and offer me some helpful advice.
Thus, the correct answer is option 1.

Q9. Answer: (b) yourself

If you do something by yourself, you do that action without taking help from anyone else. So, the most appropriate fit for the blank is yourself.
Go away by yourself to some place where you…
Thus, the correct answer is option 2.

Q10. Answer: (b) Of

The correct preposition to be used here is of. The phrase 'of course' is used to suggest that something is normal and obvious.
Example : The point is of course misleading.
…disturbed. Of course, not always…
Therefore, the correct answer is option 2.

Q11. Answer: (b) Never

'Never mind' is used to tell someone not to worry about something that is not important or serious.
Thus, the correct word to fit into the blank is never, making option 2 the correct answer.
…this condition. Never mind…

Q12. Answer: (c) impressions

The word impression means an opinion or feeling of what someone or something is like. As the word before the blank is conditions (plural), the most appropriate word that will fill the blank is impressions (plural).
…conditions and impressions from the outer…
Thus, the correct answer is option 3.

Q13. Answer: (b) disturbance

The word we are looking for is a noun as only a noun will fit into the structure of the sentence.
All mental disturbance is within you.

Thus, the correct answer is option 2.

Q14. Answer: (d) Forcibly

The correctly spelt word is forcibly*.*

Key Points

• The word 'forcibly' means using force or violence.

• Example : The workers argued forcibly against the proposal.

Q15. Answer: (d) She says that she is playing tennis.

The Correct answer is She says that she is playing tennis.

Key Points

• Here the reporting verb is in the present tense, there shall be no change in the tense of reported speech, therefore the tense form of the reported speech shall be in the present tense.

• The preposition 'I' belongs to first person and shall change according to the Subject of the reported verb 'She'.

• | She | says, | "I | am | playing | tennis". |

She	says that	she	is	playing	tennis.

Additional Information

In Direct speech, the message is conveyed in the words of the concerned person.

In Indirect speech, the message is conveyed in our words.

When we convert Direct speech to Indirect speech, we remove the inverted commas. Also, the conjunction that is added before introducing the words spoken between quotation marks (“…”).

The point to be noted here is that if the reporting verb is in the present tense, there will be no changes to the verb in the reported speech.

Q16. Answer: (c) By whom was the food burned?

The correct answer is By whom was the food burned?

Key Points

Active Voice – Here, the subject performs the action. There is a simple relationship between the doer of the action and the verb.

Example: She is eating a sandwich.

Passive Voice - Here, the subject receives the action. More importance is given to the action (and not the subject)

Example: A sandwich is being eaten by her.

Thus the correct answer is option 3.

Additional Information

• When we want to change interrogative sentences (questions) from active to passive, we need to be aware of the following rules:

• The question words how, what, when, why, or where do not change their position when these are used at the beginning of the sentence.

• Example :

• Active Voice – What were you taking?

• Passive Voice – What was being taken by you?

• The verbs has, have, had, will, etc. do not change their position when used at the beginning of the sentence.

• Example :

• Active Voice – Has she invited Rani?

• Passive Voice – Has Rani been invited by her?

• Who changes to by whom and whom changes to who

• Example :

• Active Voice – Who is eating the cake?

• Passive Voice – The cake is being eaten by whom?

• Understanding these points, we can now change the given sentence from Active to Passive Voice:

• Passive Voice: By whom was the food burned?

Q17. Answer: (d) RQP

The correct answer is RQP.

Key Points

• Among the parts P, Q and R, the best one to be the first in the sequence is part R. ‘
• Ever since the influenza virus H1N1 landed on…’ seems to be logically correct.
• Now, the next question arises: landed where?
• This is answered by part Q.
• Part P forms the ending of the sentence.

Ever since the influenza virus H1N1 landed on Indian shores during the 2009 pandemic, outbreaks have been an annual occurrence.

Thus, the correct sequence is RQP, making option 4 the correct answer.

Q18. Answer: (a) Release

The correct answer is 'release'.

Key Points

• The word incarcerate means to put someone in prison (or some other place).
• Thus, the correct answer is option 1 as the word release expresses the opposite meaning.

Additional Information

• Confine means to keep someone within the limits of space or time.
• Detain means to keep someone in a place under control.
• Commit means to be dedicated to something

Q19. Answer: (b) Agreeable

The correct answer is Agreeable.

Key Points

• Let's look at the meaning of the given word and marked option
• discordant: not in agreement with something
• Agreeable: ready to agree
• Let's look at the meaning of other options
• Aggressive: Ready to fight or argue
• Noisy: Making a lot of noise
• Differ: To be different.
• So, Discordant and Agreeable are antonyms.

Additional Information

• Let's look at the synonyms and antonyms of the given option and marked answer.
• Discordant
• Synonym: At odds, Contradictory, Disagreeing, Differing, etc
• Antonym: Harmonious, Compatible
• Agreeable
• Synonym: Pleasant, likeable, amiable
• Antonym: Disagreeable, Unpleasant, Unwilling

Q20. Answer: (c) Random

The correct answer is Random.

Key Points

• Arbitrary: based on chance rather than being planned or based on reason.
• Example: For tabular presentation we used arbitrary cut off values.
• Random: happening, done, or chosen by chance rather than according to a plan.
• Example: I picked a CD at random.
• Thus, arbitrary and random are synonymous.

Additional Information

• Let us look into the meaning of the other words:
• Methodical – to do things in a very ordered and careful way.
• Example: The other thing he has going for him is that he is so methodical.
• Penetrable – allowing things to pass-through.

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• Example: The one penetrable point in his ironclad nature had not been reached yet.
• Artful – clever or skillful.
• Example: He has shown himself to be an artful politician.
• Thus, the correct answer is option 3 as the word random is close in meaning.

Q21. Answer: (b) Relieve

The correct answer is 'relieve'.

Key Points

• The meaning of palliate is to reduce the severity of a disease or its symptoms.
• Example: They tried to palliate the hardship of their lives.
• The word relieve means to make the disease less severe.
• Example: The drug was used to promote sleep and to relieve pain.
• Therefore, the correct answer is relieve as it matches the meaning of palliate.

Additional Information

• The meaning of other words are as follows:-
• Accuse – to say that someone is responsible for a crime.
• Example: He was accused of stealing the money.
• Condemn - to criticize something or someone strongly.
• Example: We strongly condemn this attack against our allies.
• Exacerbate – to make a problem or a negative feeling worse.
• Example: The proposed factory shutdown would only exacerbate our unemployment problems.

Q22. Answer: (a) be having

As we have used must before the blank, be (and not is) should follow. Also, the verb should be in –ing form (having)

Thus, the word be having is the correct fit for the blank, making option 1 the correct answer.

Complete Sentence - She must be having a great time at her birthday party.

Q23. Answer: (c) immoral

The correct answer is immoral.

Key Points

• Let us look into the meaning of the given words:
• Immortal – living forever, likely to be remembered for a long time
• Aggravating – causing displeasure or anger
• Immoral – morally wrong, not acceptable according to society’s standards
• Fecund – producing lots of new ideas
• In the context of the sentence, Immoral is the correct fit for the blank.

Additional Information

• Let's look at the synonym and antonym of the marked answer.
• Synonym: Unethical, Bad, Dishonourable
• Antonym: Ethical, Honourable

Q24. Answer: (c) 3

The correct answer is 3- the error lies in only Part 3.

Key Points

Here, the subject is shrines which is plural. So, instead of its, we should use their as we are referring to the daily power needs of the four Sikh shrines.

Correct Sentence - Four famous Sikh shrines in Delhi will go green by employing solar energy to meet their daily power needs from April.

Q25. Answer: (b) 2

The correct answer is 2- the error lies in part 2 only.

Key Points

• Cybercrime cases is plural and the challenges they pose is also a plural noun. So, the verb should be in plural form also.
• Instead of requires, require should be used.

• Correct Sentence - Cybercrime cases pose various kinds of challenges which require strengthening of the institutional mechanism.

Additional Information

• The rule of Subject-verb agreement will be followed in the sentence.

• Subject-verb agreement says that If a subject is singular, the verb will be singular and if the subject is plural then the verb will be plural.

• Example:-

• Nakul teaches English.(Singular subject, singular verb)

• A few students were missing.(plural noun, plural verb)

Q26. Answer: (c) Web : Spider

The pattern followed here is:-

Home : Resident

Nest is the home of Bird.

The Table given below shows the Relationship between given word pairs:-

S.no.	Pair	Home	Resident	Related pair or not
Option 1	King : Palace	Palace	King	Pair doesn't follow the pattern of Home : Resident as Resident is given first followed by the Home
Option 2	Horse : Sty	Sty	Horse	Pair doesn't follow the pattern of Home : Resident as Resident is given first followed by the Home
Option 3	Web : Spider	Web	Spider	Pair follows the pattern and thus is related to Nest : Bird
Option 4	Lion : Den	Den	Lion	Pair doesn't follow the pattern of Home : Resident as Resident is given first followed by the Home

As can be seen clearly from the above that the Web : Spider is related to Nest : Bird as it follows the pattern.

Hence, the correct answer is "Web : Spider".

Q27. Answer: (a) 103

The logic followed here is:-

First term + 10 = Second term

In 47 : 57

47 + 10 = 57

Similarly,

In 93 : 103

93 + 10 = 103

Hence, the correct answer is "103".

Q28. Answer: (a) RPC : TRE

The pattern followed here is:-

UGC is related to WEI as:-

Similarly,

RPC is related to TRE as:-

Hence, the correct answer is "RPC : TRE".

Q29. Answer: (c) Cone - Figure

The pattern followed here is:-

1) Number of sides in a 'Square' → Four

2) Number of sides in a 'Hexagon' → Six

3) Number of sides in a 'Cone' → Instead of the number of sides, the word 'Figure' is given (this means that Cone - figure is an odd word pair)

4) Number of sides in a 'Triangle' → Three

Hence, the correct answer is "Cone - Figure".

Q30. Answer: (a) 2 - 8

The logic followed here is:-

Second term ÷ 3 = First term

1) In 2 - 8

8 ÷ 3 = 2.66 not 2 (so, 2 - 8 is an odd pair as it does not follow the logic)

2) In 4 - 12

12 ÷ 3 = 4

3) In 8 - 24

24 ÷ 3 = 8

4) In 10 - 30

30 ÷ 3 = 10

Hence, the correct answer is "2 - 8".

Q31. Answer: (a) HQX

The pattern followed here is:-

Hence, the correct answer is "HQX".

Q32. Answer: (d) 41523

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

4. Slogan

1. Sloven

5. Sluggy

2. Slur

3. Smack

Hence, the correct answer is "41523".

Q33. Answer: (a) 2642

The logic followed here is:

Hence, the correct answer is " 2642 ".

Q34. Answer: (c) ENSX

The pattern followed here is as shown below:-

Hence, the correct answer is "ENSX".

Q35. Answer: (a) 22

Given:

Present age of Z = 55 years

11 years ago age of Z was (55 – 11) = 44 years

11 years ago, C's age was 1/11 of Z's age → × 44 = 4 years

Present age of C = (11 + 4) = 15 years

Then, after (37 – 15) = 22 years C's age will become 37 years.

Hence, the correct answer is " 22 ".

Q36. Answer: (d) Might

Let's check each option,

1) Dog → Mindboggling → can be formed

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2) Going → Mindboggling → can be formed

3) Mid → Mindboggling → can be formed

4) Might → Mindboggling → cannot be formed as there is no 'h' and 't'

Hence, the correct answer is " Might ".

Q37. Answer: (d) 78929

The logic used here → Each letter has been coded by a specific number.

SLOPE:

Letter	S	L	O	P	E
Code	5	4	9	7	3

CRAMP:

Letter	C	R	A	M	P
Code	1	8	6	2	7

Similarly,

PROMO can be coded as,

Letter	P	R	O	M	O
Code	7	8	9	2	9

Here, we can see that PROMO can be coded as 78929.

Hence, the correct answer is " 78929 ".

Q38. Answer: (d) 10

Given:-

Equation → 1 × 16 ÷ 15 - 10 + 6

Symbol	÷	•	•	×
Meaning	•	×	÷	•

New equation after replacing symbols with their meaning :-

1 - 16 + 15 × 10 ÷ 6

After applying BODMAS rule and solving the equation, we get:-

1 - 16 + 15 × 10 ÷ 6

1 - 16 + 15 × 1.66

1 - 16 + 24.9 (approximate value of 24.9 is 25 i.e. 24.9 ~ 25)

1 + 25 - 16

26 - 16 = 10

Hence, the correct answer is "10".

Q39. Answer: (d) • and ÷

Given equation: 12 - 12 ÷ 25 × 10 + 10 = 25

Let's check each option,

1) - and +

→ 12 + 12 ÷ 25 × 10 - 10 = 25

→ 12 - 2/5 + 10 = 25

→ 108/5 ≠ 25

→ LHS ≠ RHS.

2) ÷ and ×

→ 12 -12 × 25 ÷ 10 + 10 = 25

→ 12 - 30 + 10 = 25

→ -8 ≠ 25

→ LHS ≠ RHS.

3) × and -

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→ 12 × 12 ÷ 25 - 10 + 10 = 25

→ 144 /25 ≠ 25

→ LHS ≠ RHS.

4) + and ÷

→ 12 - 12 + 25 × 10 ÷ 10 = 25

→ 12 - 12 + 25 = 25

→ 25 = 25.

→ LHS = RHS.

Here, we can see that only Option 4 satisfy the condition.

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

Q40. Answer: (d) 21

The logic followed here is :-

First number × Second number → Product of the two numbers × (-1) = Result

In 5 * 9 = -45

5 × 9 → 45 × (-1) = -45

In -3 * 7 = 21

-3 × 7 → -21 × (-1) = 21

In -2 * 3 = 6

-2 × 3 → -6 × (-1) = 6

Similarly,

In 3 * -7

3 × -7 → -21 × -1 = 21

Hence, the correct answer is "21".

Q41. Answer: (d) YXYXXXXX

The logic used here,

→ Y at the extreme right end is moving one place to its left in the next term of the series.

Y	**X**	**X**	**X**	**X**	**X**	**X**	**Y**
Y	X	X	X	X	X	Y	X
Y	X	X	X	X	Y	X	X
Y	X	X	X	Y	X	X	X
Y	X	X	Y	X	X	X	X
Y	X	Y	X	X	X	X	X

As per the logic, the next term of the series is " YXYXXXXX ".

Hence, the correct answer is " YXYXXXXX ".

Q42. Answer: (c) 5 km West

According to the given information,

1) The First Women walks 1.5 km West.

2) Then turns to her right and walks 3 km to reach her house.

3) The Second Women walks 1 km North.

4) Then she turns East and walks 3.5 km.

5) Then she turns to her left and walks 2 km to reach her house.

Combining the distance and turns of both women, we get:

Here, we can see that the first woman house is 5 km west with respect to the second woman house.

Hence, the correct answer is " 5 km West ".

Q43. Answer: (b) Only conclusion II follows

The least possible venn diagram is,

Conclusion I: All diaries are books → False (It is possible but not definite)

Conclusion II: All books are diaries → True (As all notebooks are diaries and all books are notebooks)

Hence, the correct answer is " only conclusion II follows ".

Q44. Answer: (b) FDB

Given →

Rectangle represents brand managers,

Circle represents cartoonists,

Triangle represents sculptors,

Square represents fathers,

Fathers who are either brand managers of cartoonists are represented by intersection of square and rectangle i.e., F and D and intersection of square and circle i.e., B.

Hence, the correct answer is " FDB ".

Q45. Answer: (a) QXW

The logic followed here,

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

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

→ (+3) is done to the third letter of the cluster to get the third letter of the next cluster.

As per the logic, we can see that the next cluster is QXW.

Hence, the correct answer is " QXW ".

Q46. Answer: (c)

The pattern followed here is:-

Hence, the correct answer is "0".

Q47. Answer: (b) (7, 29, 13)

The logic followed here is:-

(First term × 4) - 1 → Second term

(First term × 2) - 1 → Third term

1) In (5, 19, 9)

[5, {(5 × 4) - 1}, {(5 × 2) - 1}]

[5, {20 - 1}, {10 - 1}] → (5, 19, 9)

2) In (7, 29, 13)

[7, {(7 × 4) - 1}, {(7 × 2) - 1}]

[7, {28 - 1}, {14 - 1}] → (7, 27, 13) not (7, 29, 13)

3) In (15, 59, 29)

[15, {(15 × 4) - 1}, {(15 × 2) - 1}]

[15, {60 - 1}, {30 - 1}] → (15, 59, 29)

4) In (12, 47, 23)

[12, {(12 × 4) - 1}, {(12 × 2) - 1}]

[15, {48 - 1}, {24 - 1}] → (15, 47, 23)

Hence, the correct answer is "(7, 29, 13)".

Q48. Answer: (a) [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 1".

Additional Information

• The mirror always forms the laterally inverted images, i.e. left changes to right and vice-versa.

• The reflection of an object in the water is called its water image.

• The water image of an object in the water is always vertically inverted, i.e. upside changes to downside and vice-versa.

• The water image is the mirror image in case if the mirror is placed horizontally below the object.

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Q49. Answer: (b) [figure]

The arrows drawn in the given figure indicates the opposite faces of a cube:

In Option figure (1):-

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

In Option figure (2):-

Opposite faces of a cube i.e. dot and circle are present together. So, a cube cannot be formed.

In option figure (3) :-

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

In option figure (4):-

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

Hence, the correct answer is "Option 2".

Q50. Answer: (a) 75, 30, 43, 34

The pattern followed here is :-

A letter is represented first by its row number of the matrix then by its column number of the matrix.

1) In 75, 30, 43, 34

75 → S; 30 → L; 43 → A; 34 → M (So, the word formed is 'SLAM')

2) In 13, 68, 21, 99

13 → H; 68 → W; 21 → G; 99 → Q (the letter cluster formed is 'HWGQ')

3) In 22, 87, 43, 98

22 → D; 87 → Y; 43 → A; 98 → T (the letter cluster formed is 'DYAT')

4) 24, 85, 31, 57

24 → E; 85 → V; 31 → K; 57→ Q (the letter cluster formed is 'EVKQ')

Hence, the correct answer is "75, 30, 43, 34".

Q51. Answer: (b) 2

Let x and q be the number and quotient respectively so, we can write

=> x = 63q + 26

=> x = (3 × 21q) + (3 × 8) + 2

=> x = 3(21q + 8) + 2

Therefore When the number is divided by 3, the remainder is 2

Q52. Answer: (c) 1/n

Therefore (1 - 1/2)(1 - 1/3) … … (1 - 1/n) = 1/2 × 2/3 × … … … ..(n - 1)/n = 1/n

Q53. Answer: (a) 32

$x^2 + 4y^2 + z^2 - 4x - 2z + 5 = 0$

$=> (x^2 - 2 \times x \times 2 + 2^2) + (z^2 - 2 \times z \times 1 + 1^2) + (2y)^2 = 0$

$=> (x - 2)^2 + (z - 1)^2 + (2y)^2 = 0$

Now,

$=> (x - 2)^2 = 0$, then x = 2

$=> (z - 1)^2 = 0$, then z = 1

$=> (2y)^2 = 0$, then y = 0

=> (y^(15) + x^5)/(z^(14)) = (0 + 2^5)/(1^(14)) = 32/1 = 32

Q54. Answer: (d) 215/(6√6)

As we know,

$=> \{x + (1/x)\}^2 - \{x - (1/x)\}^2 = 4$

$=> (7/\sqrt{6})^2 - \{x - (1/x)\}^2 = 4$

$=> (49/6) - \{x - (1/x)\}^2 = 4$

$=> \{x - (1/x)\} = 5/\sqrt{6}$

Also,

$=> \{x - (1/x)\}^3 = x^3 - (1/x)^3 - 3\{x - (1/x)\}$

=> $(5/\sqrt{6})^3 = x^3 - (1/x)^3 - 3 \times (5/\sqrt{6})$

=> $(125/6\sqrt{6}) + (15/\sqrt{6}) = x^3 - (1/x)^3$

=> $x^3 - (1/x)^3 = 215/6\sqrt{6}$

Q55. Answer: (a) 4°

Shortcut Trick

The sum of interior angles of any quadrilateral is always 360°.

Combine x-terms: 6x − 4x + 4x + 12x = 18x.

Combine constants: −18 + 80 + 14 − 58 = 18.

Setting 18x + 18 = 360° gives x = (360 − 18) ÷ 18 = 19.

Testing for the smallest angle: 80 − 4(19) = 80 − 76 = 4°.

Therefore The correct answer is 4°.

Alternate Method

Given: The four angles of the quadrilateral are (6x − 18), (80 − 4x), (4x + 14), and (12x − 58).

Formula Used: Sum of all internal angles of a quadrilateral = 360°.

Calculations:

=> (6x − 18) + (80 − 4x) + (4x + 14) + (12x − 58) = 360°

=> 18x + 18 = 360°

=> 18x = 360 − 18 = 342°

=> x = 342 ÷ 18 = 19

Calculating the value of each angle:

=> 1^(st) Angle = 6(19) − 18 = 114 − 18 = 96°

=> 2^(nd) Angle = 80 − 4(19) = 80 − 76 = 4°

=> 3^(rd) Angle = 4(19) + 14 = 76 + 14 = 90°

=> 4^(th) Angle = 12(19) − 58 = 228 − 58 = 170°

Comparing the values, the smallest angle is 4°.

Therefore The correct answer is 4°.

Additional Information

Angle Sum Property of Polygons

The sum of interior angles of a polygon with n sides is given by the formula (n − 2) × 180°. For a quadrilateral (n=4), the sum is (4 − 2) × 180° = 360°.

Types of Quadrilaterals

In a convex quadrilateral, all interior angles are less than 180°. If one angle is greater than 180°, it is known as a concave quadrilateral.

Cyclic Quadrilateral

A quadrilateral whose all four vertices lie on a circle is called cyclic. In such a case, the sum of opposite angles is always 180°.

Q56. Answer: (a) 6

Let point P, Q & R are the midpoints of A, B & C respectively

Also,

=> Area of triangle PQR = (1/4) × area of triangle ABC

Given,

=> Area of triangle ABC = 24

Therefore Area of triangle PQR = (1/4) × 24 = 6 sq units

Q57. Answer: (a) 66.66

Let the value of B be 100

=> Value of A = 100 + 50% of 100 = 100 + 50 = 150

Therefore Required % = (100/150) × 100 = 66.66%

Q58. Answer: (a) 40000

Ratio of income of C and D = 3 : 2 = 15 : 10

Also,

Ratio of income of D and E = 5 : 4 = 10 : 8
Let income of C, D and E be 15x, 10x and 8x respectively
According to the question
=> (1/3) of 15x = (1/2) of 8x + 4000
=> 5x = 4x + 4000
=> x = 4000
Therefore D's income = 10x = 10 × 4000 = 40,000

Q59. Answer: (c) 1 : 6 : 4

Given:
Ratio of A,B,C = 8 : 5 : 3
Concept used:
Profit = investment × time
Calculation:
=> Time = profit/investment
Given,
=> Ratio of their profit = 4 : 15 : 6
=> Ratio of their investment = 8 : 5 : 3
Therefore Time = (4/8) : (15/5) : (6/3) = (1/2) : 3 : 2 = 1 : 6 : 4

Q60. Answer: (c) 83

Given:
Average marks in first 3 subjects = 79
Average marks in last 3 subjects = 86
Concept used:
Average = sum of all observations/number of observations
Calculation:
=> Average marks of Rakesh in first 3 subjects = 79
=> Sum of marks in first 3 subjects = 79 × 3 = 237
Also,
Average marks of Rakesh in last 3 subjects = 86
=> Sum of marks in last 3 subjects = 86 × 3 = 258
Marks in third subject = 80
Sum of marks in all the five subjects = 237 + 258 - 80 = 415
Therefore Average of all the five subjects = 415/5 = 83

Q61. Answer: (d) 60

Let the principal be x
Amount after 15 years = 2x
Principal + simple interest = 2x
=> x + simple interest = 2x
=> Simple interest = x
=> (Principal × rate × time)/100 = x
=> (x × rate × 15)/100 = x
=> Rate = 100/15 = (20/3)%
Now,
Amount = 5x
=> Principal + simple interest = 5x
=> x + simple interest = 5x
=> Simple interest = 4x
=> (Principal × rate × time)/100 = 4x
=> {x × (20/3) × time}/100 = 4x
Therefore Time = 60 years

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Q62. Answer: (c) 350

Given:

Loss = 5%

Calculation:

Let the CP of an article be 100x

SP of the article = cost price - loss% of cost price = 100x - 5% of 100x = 95x

=> New CP of the article = 100x - 30% of 100x = 100x - 30x = 70x

=> New SP of the article = 70x + 20% of 70x = 70x + 14x = 84x

According to the question

=> 84x = 95x - 38.5

=> 11x = 38.5

=> x = 3.5

Therefore CP of the article = 100 × 3.5 = 350

Q63. Answer: (d) 9.09

Marked price/selling price = 11/10

=> Selling price/Marked price = 10/11

Therefore Discount % = {(MP - SP)/MP} × 100 = {1 - (SP/MP)} × 100 = {1 - (10/11)} × 100 = 9.09%

Q64. Answer: (a) 0.925

Given:

√42 = 6.480

√(6 × 7) = 6.480

Calculation:

Dividing by 7 on both side we get,

(√(6 × 7))/(√(7 × 7)) = 6.480/7

Therefore √(6/7) = 0.925

Q65. Answer: (d) 20

Time taken by Robin alone to do a work = 10 hrs

Time taken by Pradeep and Robin together to do the same work = 4 hrs

Work done by Rrobin in 1 hr = 1/10

Work done by Rrobin and Pradeep in 1 hr = 1/4

Work done by Pradeep in 1 hr = (1/4) - (1/10) = 3/20

Now,

Time taken by Pradeep and Nitin together to do the same work = 5 hrs

Work done by Pradeep and Nitin in 1 hr = 1/5

Work done by Nitin in 1 hr = (1/5) - (3/20) = 1/20

Therefore Nitin can complete the same work in 20 hrs

Q66. Answer: (c) 1300

Given:

Speed of the trains = 54 km/hr and 63 km/hr

Concept used:

Distance = speed × time

Calculation:

Let both the train meet each other in x hrs

Speed difference = 63 - 54 = 9 km/hr

According to the question,

=> (63 - 54)x = 100

=> x = 100/9 hr

Now,

Relative speed = 63 + 54 = 117

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Time=> X = 100/9

Distance = speed × Time

Therefore Total distance between M and N = 63x + 54x = 117x = 117 × (100/9) = 1300 km

Q67. Answer: (a) D

According to the graph, Department D has the second highest annual sales

Q68. Answer: (a) 12 : 7

Annual sales of department B = 600

Annual sales of department F = 350

Therefore Required ratio = 600 : 350 = 12 : 7

Q69. Answer: (b) 30%

Annual sales of department F = 350

Annual sales of department A = 500

Therefore Required % = {(500 - 350)/500} × 100 = (150/500) × 100 = 30%

Q70. Answer: (a) 250

Total annual sales of all departments = 500 + 600 + 50 + 550 + 150 + 350 + 300 = 2500

Therefore Annual profit = 10 % of 2500 = (10/100) × 2500 = 250 lakhs

Q71. Answer: (d) 120

We know,

Therefore Area of rectangle = length × breadth = 15 × 8 = 120 cm^2

Q72. Answer: (d) 22

Given:

Area of circle = 38.5 cm^2

Calculation:

Area of circle = πr^2

=> $\pi r^2 = 38.5$

=> $(22/7) \times r^2 = 38.5$

=> $r^2 = 12.25$

=> r = 3.5

Now,

Therefore Circumference of circle = $2\pi r = 2 \times (22/7) \times 3.5 = 22$ cm

Q73. Answer: (a) 1848

Given:

Height of cylinder = 14 cm

Diameter of cylinder = 42 cm

Calculation:

Radius of cylinder = diameter/2 = 42/2 = 21 cm

Now,

Therefore Curved surface area of cylinder = $2\pi rh = 2 \times (22/7) \times 21 \times 14 = 1848$ cm^2

Q74. Answer: (a) (√6 - 1)/√3

Given:

angle E = 90° and angle F = 45°

Concept used:

We know, the sum of all the angles of a triangle is 180°

Calculation:

=> angle D + angle E + angle F = 180°

=> angle D + 90° + 45° = 180°

=> angle D = 45°

Now,

Therefore cosec D - (1/√3) = cosec 45° - (1/√3) = √2 - (1/√3) = (√6 - 1)/√3

Q75. Answer: (a) 3/4

Given:

tan D = 4/3

Calculation:

=> EF/ED = 4/3

Therefore tan F = ED/EF = 3/4

Q76. Answer: (c) Checkable Deposits

The correct answer is Checkable Deposits.

Key Points

• Checkable deposit accounts include checking, savings, and money market accounts.

• The total stock of money in circulation among the public at a particular point in time is called the money supply. RBI publishes figures for four alternative measures of money supply, viz. M1, M2, M3 and M4.

Important Points

M1	**CU (currency held by the public) + DD (net demand deposits held by commercial banks)**
M2	M1 + Savings deposits with Post Office savings banks
M3	M1 + Net time deposits of commercial banks
M4	M3 + Total deposits with Post Office savings organisations (excluding National Savings Certificates)

Q77. Answer: (a) Services

The correct answer is Services.

Key Points

• Invisible export:-

• It is the export of services.

• It is that export that does not have a tangible physical appearance.

• Invisibles export Example:-

• Services (e.g. Software services)

• Transfers (e.g. Remittance, Grant)

• Income (e.g. Investment income)

Q78. Answer: (b) Pampero

The correct answer is Pampero.

Key Points

• Pamperos:-

• These cool winds from the south meet with the warm air from the tropical north, they create violent gales which are accompanied by heavy rains in Buenos Aires.

Additional Information

Levant	**The area in the Eastern Mediterranean.**
Pampero	The burst of cold polar air from the west, southwest or south on the pampas in the south of Brazil, Argentina, Uruguay, Paraguay, and Bolivia.
Harmattan	Dry and dusty north-easterly trade wind blows from the Sahara Desert over West Africa into the Gulf of Guinea
Karaburan	A spring and winter katabatic wind of Central Asia

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Q79. Answer: (c) Bhopal

The correct answer is Bhopal.

Key Points

• Bhopal is not located on the banks of any river. It is known as the City of Lakes and is surrounded by the Upper and Lower lakes.

City	River
Surat	Tapti
Cuttack	Mahanadi
Bhopal	None
Mysore	Kaveri

Additional Information

• Bhopal:-

• Bhopal became the capital of Madhya Pradesh in 1956.

• The name Bhopal is popularly derived from 'Bhojpal' or Bhoj's dam.

• Bhoj dam is a great dam that now holds up the Bhopal city lakes.

• Bhopal city was founded by the Parmar King Bhoj in the 11th century.

• The present city of Bhopal was founded by Afghan soldier Dost Mohammed Khan.

Q80. Answer: (c) Jahangir

The correct answer is Jahangir.

Key Points

Tuzuk-e-Jahangiri (or Jahangirnama

• Tuzuk-e-Jahangiri or Jahangir-nama is the autobiography of Mughal Emperor Nur-ud-din Muhammad Jahangir (1569–1627).

• It is written in Persian and follows the tradition of his great-grandfather, Babur (1487–1530), who had written the Baburnama.

• The autobiography is a unique piece of literature that shows his power of expression and observation.

• In it, he not only provided the history of his reign but also gave details viz. his perception of art, politics, and also information about his family.

• The Tuzuk-i-Jahangiri is the most important sourcebook for the reconstruction of the history of the Mughal empire in the reign of Jahangir.

• Jahangir twice mentions a tower, tank, and pavilion used as a hunting palace about 29 km from Lahore.

• Tuzuk is also a very important source for the history of the Mughal expansion in Bengal.

Additional Information Akbar (1542-1605)

• Akbar was one of the most successful emperors during the Mughal Era.

• He was born on October 1542 and died on 27th October 1605.

• In 1555, Humayan died just months after retaking Delhi. Akbar ascended the Mughal throne at the age of 13 and became Shahanshah ("King of Kings").

• His regent was Bayram Khan, his childhood guardian, and an outstanding warrior/statesman.

• In his court, there were nine jewels known as Navratan they were:

• Birbal: Administrator

• Abul Fazal: Scholar and statesman

• Faizi: Scholar and Statesman

• Todarmal: Finance minister

• Bhagwandas: Mansabdar

• Man Singh: Mansabdar

• Tansen: Musician

• Abdul Rahim khan-i-khana: Statesman

• Mulla do Pyaza

Babar (1526-1530)

• Babur is the founder of the Mughal Empire in India.

• His original name was Zahiruddin Muhammad.

• Baburnama, also known as Tuzk-e Babri is a biography of Babur written by him.

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• Humayun was the son of Babur.

Aurangzeb (1658-1707)

• Aurangzeb was the sixth, and widely considered the last effective Mughal Emperor.

• He was crowned at Delhi under the title Alamgir.

• He captured Guru Teg Bahadur, the 9th Guru of Sikhs in 1675 AD and executed him when he refused to embrace Islam.

• He built the Bibi ka Maqbara, Moti Masjid, and Badshahi Mosque.

Q81. Answer: (a) 1850

The correct answer is 1850.

Key Points

• The Caste Disabilities Removal Act:-

• It was passed in the year 1850 under the East India Company rule.

• The act abolished all the laws affecting the rights of people converting to another caste or religion.

• It allowed equal rights under no law to the Indians who converted to another religion.

• The new Act allowed Hindus who converted from the Hindu religion to another religion equal rights under the new law, especially in the case of inheritance.

• It changed the Hindu Law of Property.

• It enabled a convert from Hinduism to another religion to inherit the property of his father.

• The political situation got highly affected because of this Act as it was seen as an incentive to give up one's own faith.

Important Points

• Some of the other important acts passed by the British were:-

• Hindu Personal Law, 1772

• Regulating Act of 1773

• Pitt's India Act of 1784

• Charter Act of 1793

• Charter Act of 1813

• Charter Act of 1833

• Charter Act of 1853

• Hindu Widow's Remarriage Act, 1856

• Government of India Act, 1858

• Indian Councils Act, 1909 / Morley-Minto Reforms

• Indian Press Act, 1910

• Government of India Act, 1912

• Indian Independence Act, 1947

Q82. Answer: (d) Guru Teg Bahadur

The correct answer is Guru Teg Bahadur.

Key Points

• Guru Gobind Singh was the 10^(th) Guru of Sikhs, a philosopher, a poet, a warrior, and a spiritual master.

• He was the son of the ninth Guru of Sikh Gurus, Tej Bahadur who was beheaded by Aurangzeb for refusing to convert to Islam.

Important PointsGuru Govind Singh-

• He is the tenth and last Sikh Guru.

• The last Guru organized the Sikhs into a disciplined, military order of Sikh saints called Khalsa (the pure).

• He established the five symbols of Sikhism:

• Kangha (comb),

• Kesh (long hair),

• Kada (iron bracelet),

• Kachcha (underwear) and

• Kirpan (sword or dagger).

Additional Information

Name of Guru	Details	Time Period

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Guru Nanak Dev	• Founder of Sikhism and the first of the ten Sikh gurus - Guru Nanak got his enlightenment in Sultanpur in 1496.	1469-1539
Guru Arjun Dev	• Fifth Guru - He was the son and successor of Guru Ram Dass. - He built the Harmandar, which is popularly known as the Golden Temple, and compiled and installed the Holy Book, the Guru Granth, therein.	1563-1606
Guru Ramdas	• Fourth Guru - He laid the foundation of the holy city of Amritsar, which later developed as the spiritual capital of the Sikh faith.	1534-1581
Guru Tegh Bahadur	• Ninth Guru	1621-1675

Q83. Answer: (a) UAE and Saudi Arabia

The correct answer is UAE and Saudi Arabia.

Key Points

• UAE and Saudi Arabia announced to the formation of a new economic and partnership group named ‘Joint Cooperation Committee’ in December 2017, separate from the Gulf Cooperation Council (GCC).

• The GCC is a political and economic alliance of six countries that includes Qatar, Bahrain, Saudi Arabia, the UAE, Kuwait, and Oman.

• The new group will coordinate and cooperate between Saudi Arabia and UAE in all cultural, economic, trade, political, and military fields.

Important PointsUAE (United Arab Emirates)-

• Capital- Abu Dhabi

• Currency- Emirati Dirham (AED)

Saudi Arabia-

• Capital- Riyadh

• Currency- Saudi riyal

Q84. Answer: (c) K. Chandrasekhar Rao

The correct answer is K. Chandrasekhar Rao.

Key Points

• CM of Telangana K. Chandrasekhar Rao was awarded for the prestigious Global Agriculture Leadership Award 2017 by the Indian Council of Food and Agriculture (ICFA) in August 2017.

• Mr. K. Chandrasekhar Rao’s name has been proposed “in recognition of the path-breaking initiatives taken by the Government of Telangana under the leadership of the Chief Minister that has resulted in the launch of a number of schemes that have created a far-reaching impact on the rural sector and touched the lives of millions of farmers”.

Important PointsIndian Council of Food and Agriculture (ICFA)

• ICAR is an autonomous organization under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India.

• It was established on 16 July 1929.

• Headquartered in New Delhi, ICAR has 101 institutes and 71 agricultural universities spread across the country.

• ‘ICAR Vision 2050’, provides the strategic framework for innovation-led inclusive, and sustainable agricultural growth in the country.

Q85. Answer: (a) Bidya Devi Bhandari

The correct answer is Bidya Devi Bhandari

Key Points

• Bidya Devi Bhandari

• Bidya Devi Bhandari is the current and the second President of Nepal.

• She was born on 19 June 1961 and she is a Nepalese politician, serving as the second president of Nepal, in office since 28 October 2015.

• She is the first woman to hold office in the country.

• She served as the vice-chairperson of the Communist Party of Nepal (Unified Marxist–Leninist) and was the chair of the All Nepal Women's Association before being elected president.

• Bhandari previously served as the Minister of Defence, the first woman to hold the office, from 2009 to 2011.

• She also served as the Minister of Environment and Population in 1997 and has been an active campaigner for environmental awareness and women's rights in Nepal.

• In June 2017, she visited the headquarters of the IUCN in Gland, Switzerland, and met with the director-general Inger Andersen to discuss enhanced collaboration on nature conservation and sustainable development.

• As of October 2020, Bidya Devi Bhandari is the President of Nepal. Hence, Option 3 is correct.

• In 2016, Forbes placed her at number 52 in their list of the world's 100 most powerful women.

• Presidents of Nepal-

Name of President	Party	Elected in
Ram Baran Yadav	Nepali Congress	2008
Bidhya Devi Bhandari	Communist Party of Nepal (Unified Marxist–Leninist)	2015 and 2018

Important Points Nepal:

• Capital - Kathmandu.

• Currency - Nepalese rupee.

Q86. Answer: (d) Edible fats

The Correct answer is Edible fats.

Explanation:

• Hydrogenation is a chemical reaction between elements or compounds and molecular hydrogen (H2) in the presence of a catalyst such as platinum, palladium, or nickel.

• It converts liquid vegetable oils into semi-solid or solid fats.

• A chemical reaction known as hydrogenation occurs when molecular hydrogen interacts with another substance or element, typically in the presence of a catalyst made of nickel, palladium, or platinum.

• The method is frequently used to saturate or decrease organic molecules.

• A chemical reaction between a substance or element and molecular hydrogen usually takes place with the aid of a catalyst.

• Vanaspati is solidified and hydrogenated vegetable ghee from India. It costs a lot less than desi ghee.

• Palm or palm olein oil is used to make all varieties of Vanaspati.

• Nickel is used as a catalyst in reactors operating at low to medium pressure to produce hydrogenation.

Q87. Answer: (c) Germanium

The correct answer is Germanium.

Explanation:

• A radioactive element is that which breaks down over time by turning into different elements and releasing energy.

• They are considered unstable since they have an unbalanced number of protons and neutrons in the nucleus. Germanium is not a radioactive element, while the rest of these are radioactive.

Q88. Answer: (d) Five years

The correct answer is Option 4 i.e. Five years

Key Points

• A Gram Panchayat is the local-self-governance system formalized by the grassroots level of Panchayati Raj in India at a small-town or village level.

• A Sarpanch is its elected head. The term of the elected representatives in a Gram Panchayat is 5 years.

• There are three tiers in the Panchayati Raj structure.

• Gram Panchayat

• Zila Parishad

• Panchayat Samiti.

• Gram Panchayat is at the village level, Panchayat Samiti at the block level, and Zila Parishad at the district level.

• A Gram Panchayat covers one or more villages.

• Panchayat Samitis are indirectly elected bodies, in most cases.

• The jurisdiction of Zila Parishad extends over a district. The District collector heads the Zila Parishad at the district level.

• The Panchayati raj institutions were constitutionalized through the 73rd amendment Act 1992.

• Rajasthan was the first state to ratify and set up the Panchayati raj institution in the country.

Q89. Answer: (c) 18 years and above

The correct answer is 18 years and above.

Key Points

• Universal adult franchise means that all adults in the country are allowed to vote.

• Universal suffrage: After independence, there was a need to hold general elections to elect a truly representative government on the basis of universal adult suffrage.

• Article 325 of the constitution ensures universal suffrage and provides that no person be ineligible for inclusion in, or to claim to be included in a special, electoral roll on grounds of religion, race, caste, or sex.

• Under the Universal Adult Franchise, people who are 18 years old and above have the right to vote, irrespective of their social or economic backgrounds.

• The Sixty-first Amendment Act, of 1988, lowered the voting age of elections to the Lok Sabha Legislative Assemblies of States from 21 years to 18 years.

• The bill received presidential assent on 28th March 1989 when then President R Venkataraman assented to it.

Q90. Answer: (c) Stamens

Parts of Flower	Details
Stamen	The part of the flower that produces pollen grains that are generally yellowish in colour
Sepal	The outer part of the flower which encloses a developing bud
Petal	Conspicuously coloured part of the flower
Carpel	The female reproductive organ of a flower which consists of a style, stigma and ovary

Q91. Answer: (a) Aerenchyma

Type of tissue	Function
Aerenchyma	Permanent tissue that helps the aquatic plants to float.
Collenchyma	The elongated cells which have irregular thick cell walls to provide structure and support
Sclerenchyma	Strengthening tissue in a plant which is formed from thick walls.

Q92. Answer: (b) Radha Mohan Singh

The correct answer is Radha Mohan Singh.

Key Points

• Shri Radha Mohan Singh, Former Union Agriculture, and Farmers Welfare Minister launched the ‘Livestock Disease Forewarning - Mobile Application (LDF-Mobile App)’ in December 2017.

• The app has been developed in New Delhi by the ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Bengaluru.

• A monthly bulletin system has been used in the app which will send out an early warning. Apart from that, the app will also provide information regarding the clinical samples for the diagnosis in case of an epidemic.

Q93. Answer: (d) A1689 B11

The correct answer is A1689 B11.

Key Points

• A1689 B11:-

• It is the most ancient spiral galaxy that existed 11 billion years ago.

• The galaxy emitted it's light 11 billion years ago, which was just 2.6 billion years after the Big Bang.

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Q94. Answer: (d) All I, II and III

The correct answer is All I, II and III.

Key Points

• Y. H. Malegam Committee is an expert committee constituted by the Reserve Bank of India in February 2018 to look into:

• Rising incidents of fraud.

• The effectiveness of audits.

• And classification of bad loans.

• Y.H.Malegam would be heading the committee who is a former member of the Central Board of Directors of RBI.

Q95. Answer: (d) 7-star

The correct answer is 7-star.

Key Points

• 'Protocol for Star Rating of Garbage-Free Cities' launched on January 20, 2018, will be rating cities on a 7-star rating system.

• It aims to achieve garbage-free status leading to a higher degree of cleanliness.

• Each ward in every city must achieve a certain standard across 24 different components of Solid Waste Management (SWM) and is graded based on overall marks received.

• The system is based on multiple cleanliness indicators for solid waste management which comprise bulk generator compliance, door-to-door collection, sweeping, source segregation, plastic waste management, scientific processing of waste, construction management, and more.

Q96. Answer: (d) 0.008

• The distance covered by a point on the wave in unit time is the velocity of the sound wave.

• Any point on the sound wave covers a distance equal to λ (wavelength) in time T (time period).

Thus the velocity of sound is given by: $V = \lambda/T$

$T = \lambda/V$

Time = 4/500

Hence, Time Period will be 0.008 Seconds.

Q97. Answer: (c) Density

The correct answer is Density.

Explanation:

• More density of the particles in the medium gives more pressure and vice versa. Thus, the propagation of sound can be visualised as the propagation of density variations or pressure variations in the medium.

• The sound is a longitudinal wave and it moves forward by rarefaction and compression of the particles in a medium.

Q98. Answer: (a) Sea to the land

The correct answer is Sea to the land.

Key Points

• During the day, the direction of the wind would be from the sea to land, this is known as the sea breeze.

• During the daytime, in coastal regions, the air above the land heats faster and starts rising.

• This causes the movement of wind from the sea to the land.

• A sea breeze is any wind that blows from a large body of water toward or onto landmasses.

• Sea breezes occur during hot, summer days because of the unequal heating rates of land and water.

• During the day, the land surface heats up faster than the water surface hence creating a high temperature and low-pressure zone on land.

• The wind blows from the higher pressure over the water to the lower pressure over the land causing the sea breeze

• At night, the air over the ocean is now warmer than the air over the land. The land loses heat quickly after the sun goes down and the air above it cools too

• When the winds blow back offshore in the evening, then this is known as the land breeze.

Q99. Answer: (b) Both A and B

The correct answer is Both A and B.

Key Points

• Viktor Axelsen won the Badminton 2017 BWF Super Series Finals Men's Singles. Hence statement A is correct.

• Alexander Zverev won the Tennis 2017 Italian Open Men's Singles. Hence statement B is also correct.

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• In the 2018 IPL auctions, Mumbai Indians retained Rohit Sharma, Hardik and Krunal Pandya also. Hence statement C becomes incorrect.

Q100. Answer: (b) TYPE = “PASSWORD”

The correct answer is TYPE = “PASSWORD”.

Key Points

• TYPE = “PASSWORD” is used to display characters as asterisks in HTML.

• HyperText Markup Language

• Hypertext Markup Language is the standard markup language for creating web pages and web applications.

• First developed by Tim Berners-Lee in 1990, HTML is short for Hypertext Markup Language.

• HTML is used to create electronic documents (called pages) that are displayed on the World Wide Web.

• It is a language used for writing source codes for developing a webpage, inserting content, and other components in it.

• HTML is a markup language because it is used to distinguish HTML elements from the text.

• HTML is not a programming language, meaning it doesn’t have the ability to create dynamic functionality. Instead, it makes it possible to organize and format documents, similar to Microsoft Word.

• When working with HTML, we use simple code structures (tags and attributes) to mark up a website page. For example, we can create a paragraph by placing the enclosed text within a starting *

• and closing *

• tag.

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