SSC MTS 2024 Official Paper (Held On: 14 Oct, 2024 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 90 questions • 90 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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SESSION 1

Q1. The LCM of 140, 180 and 240 is:

(a) 1008
(b) 5000
(c) 5040
(d) 1680

Q2. The curved surface area of a cylinder of height 42 cm is 3960 cm^2. Find its volume. ($\pi = 22/7$)

(a) 1980 cm^3
(b) 27,900 cm^3
(c) 19800 cm^3
(d) 29700 cm^3

Q3. A sum of money invested at simple interest becomes 5 times in 12 years. How many times will it become in 27 years?

(a) 12
(b) 9
(c) 10
(d) 11

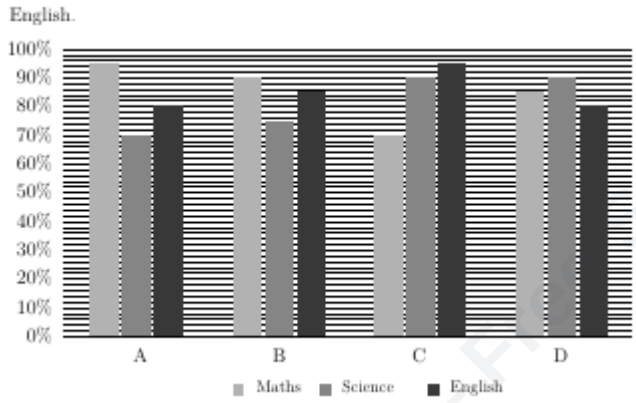
Q4. If x : 6 :: 6 : y and x : y :: y : 6, then which of the options below gives the correct values of x and y in that order?

(a) 6 and 6
(b) 12 and 12
(c) 6 and 12
(d) 12 and 6

Q5. Study the given bar graph and answer the question that follows.

The bar graph given below shows the percentage of marks obtained by four students A, B, C and D in Maths, Science and English.

If the full marks in Maths are 150, Science are 100 and English are 140, then find the total marks obtained by Student B in Maths and Student A in English.



(a) 257
(b) 247
(c) 275
(d) 250

Q6. A medicine capsule is shaped like a cylinder with two hemispheres attached to each of its ends. The length of the entire capsule is 15 mm, and its diameter is 6 mm. Calculate the surface area (in mm^2, rounded to the nearest integer) of the capsule. (Use $\pi = 22/7$)

(a) 286
(b) 283
(c) 289
(d) 280

Q7. Two stations A and B are 1800 km apart. A train starts from A towards B at 7 A.M. at a speed of 100 km/h. Another train starts from B towards A at 8 A.M. on the same day at a speed of 325 km/h. At what time will they cross each other?

(a) 12 P.M.
(b) 11 A.M.
(c) 3 P.M.
(d) 9 A.M.

Q8. The average weight of 20 boys in a class is 65 kg and that of remaining 35 boys is 32 kg. What is the average weight of all the boys in the class?

(a) 56 kg
(b) 44 kg
(c) 46 kg
(d) 48 kg

Q9. A policeman sees a thief at a distance of 100 m and starts chasing him at a speed of 6 m/s while the thief runs at a speed of 5 m/s. What is the distance (in m) covered by the thief when he is caught?

(a) 500
(b) 300
(c) 600
(d) 400

Q10. Out of 8 lecturers of a college, one lecturer retires and at his place a new lecturer of age 32 years joins. As a result, the average age of lecturers is reduced by 4 years. The age of the retired lecturer is:

(a) 64 years
(b) 63 years
(c) 65 years
(d) 62 years

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Q11. By selling an article for Rs. 19, a dealer makes a profit of 10%. By how much should he increase his selling price (in Rs. , rounded off to two decimal place) so as to make a profit of 50%?

(a) 8.91
(b) 9.91
(c) 6.91
(d) 7.91

Q12. The cost price of 20 articles is the same as the selling price of 15 articles. The profit percentage in the transaction is:

(a) 33 1/3 %
(b) 25%
(c) 50%
(d) 30%

Q13. What sum (in Rs.) will earn a simple interest of Rs. 240 in 3 years at 8% per year rate of interest?

(a) 1500
(b) 1000
(c) 500
(d) 2000

Q14. What sum (in Rs.) will earn a simple interest of Rs. 240 in 3 years at 4% per year rate of interest?

(a) 4000
(b) 3000
(c) 1000
(d) 2000

Q15. In what ratio must a shopkeeper mix two types of rice worth Rs. 60/kg and Rs. 80/kg, respectively, so that, the average cost of mixture is Rs. 75/kg?

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

Q16. A tradesman marks his goods 30% more than the cost price. If he allows a discount of 61/4%, then his gain percentage is:

(a) 22 3/4 %
(b) 21%
(c) 21 7/8 %
(d) 22%

Q17. Study the table and answer the question that follows.

Measured on birthday	Height of the child (in cm)
3rd	90
4th	100
5th	108
6th	115
7th	125
8th	130
9th	140
10th	150
11th	162

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12th	170
13th	178
14th	184
15th	190

What was the percentage increase in the height of the child from the 7th birthday to the 10th birthday?

(a) 10%
(b) 20%
(c) 15%
(d) 25%

Q18. Due to a fault in the voting machine, the invalid votes are counted in votes of the candidate B, who gets 5 times the invalid votes. A gets the votes 8 times the invalid votes and wins the election by 28. What is the total number of votes polled?

(a) 168
(b) 184
(c) 196
(d) 176

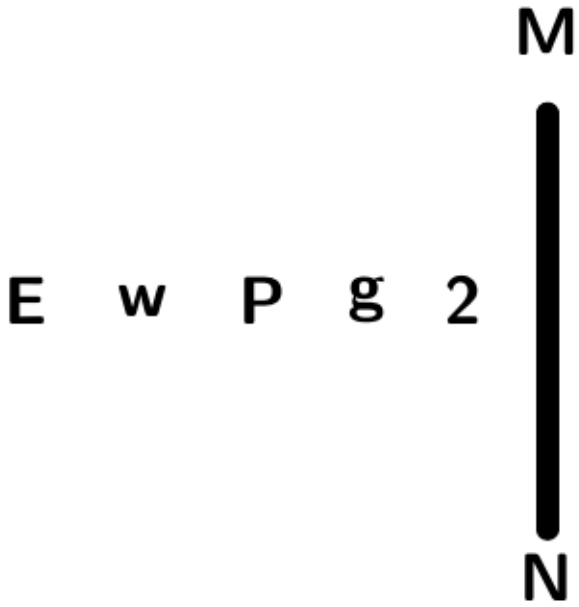
Q19. The average of five numbers, where the difference between any two consecutive numbers is 5, is 215. Find the least number.

(a) 225
(b) 215
(c) 220
(d) 205

Q20. The length and breadth of a rectangular field are in the ratio 3 : 2. If the area of the field is 3456 m^2,then the cost of fencing the field at 3.50 per metre is:

(a) Rs 240
(b) Rs.420
(c) Rs. 480
(d) Rs. 840

Q21. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



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(a)



(b)



(c)



(d)



Q22. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All bars are clubs.

Some bars are gyms.

Conclusions:

(i) Some clubs are gyms.

(ii) Some gyms are not bars.

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

Q23. What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '×' and '–' are interchanged?

18 ÷ 6 + 2 – 3 × 4 = ?

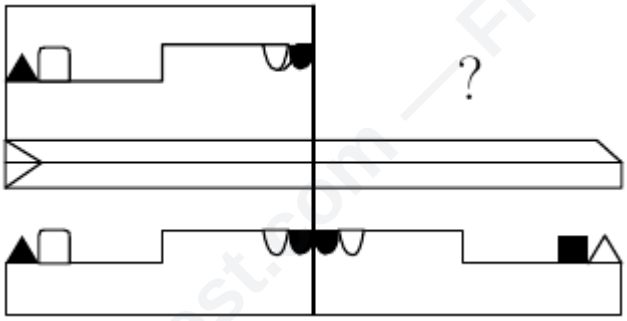
(a) 38
(b) 32
(c) 26
(d) 23

Q24. In a certain code language, 'HEAP' is coded as '7395' and 'PEAS' is coded as '9571'.

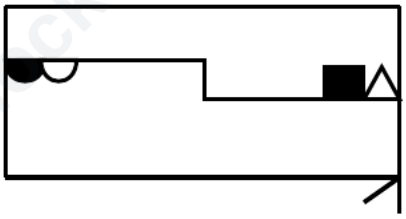
What is the code for 'S' in the given code language?

(a) 7
(b) 5
(c) 1
(d) 9

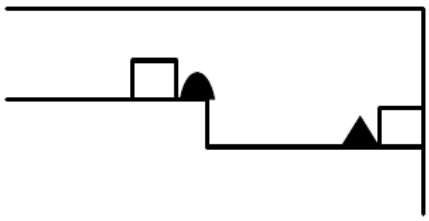
Q25. Select the figure from the given options that will replace the question mark (?) in the figure given below to complete the pattern.



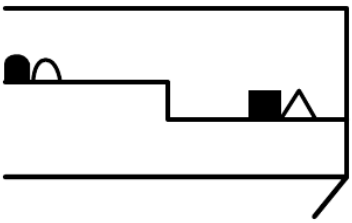
(a)



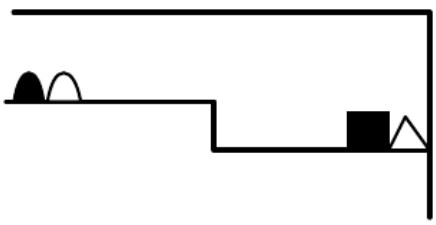
(b)



(c)



(d)



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Q26. Six teachers are sitting around a circular table facing the centre (but not necessarily in the same order). C is an immediate neighbour of both A and F. E is sitting second to the left of F. D is sitting fourth to the left of C. A is sitting second to the right of F. Which of the following statements is true?

(a) D is to the immediate right of E.
(b) F and D are immediate neighbours.
(c) B is immediate right of F.
(d) B is immediate left of F.

Q27. 21 is related to 73 following a certain logic. Following the same logic, 28 is related to 94. To which of the following is 35 related, following the same logic?

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

(a) 115
(b) 105
(c) 101
(d) 110

Q28. In a certain code language, 'IMTO' is coded as '2684' and 'OPEN' is coded as '3567'. What is the code for 'O' in the given code language?

(a) 3
(b) 5
(c) 6
(d) 4

Q29. WY 13 is related to UW 16 in a certain way. In the same way, SU 19 is related to QS 22. To which of the following is OQ 17 related, following the same logic?

(a) MO 20
(b) MO 19
(c) NM 19
(d) MN 20

Q30. In a certain code language, 'TIME' is coded as 61 and 'POND' is coded as 59. How will 'BLUE' be coded in the same language?

(a) 68
(b) 69
(c) 71
(d) 72

Q31. In a certain code language, 'BALE' is coded as '2496' and 'LORD' is coded as '3759'. What is the code for 'L' in the given code language?

(a) 9
(b) 3
(c) 2
(d) 5

Q32. What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?

$2 \div 8 - 25 \times 5 + 9 = ?$

(a) 6
(b) 30
(c) 27
(d) 12

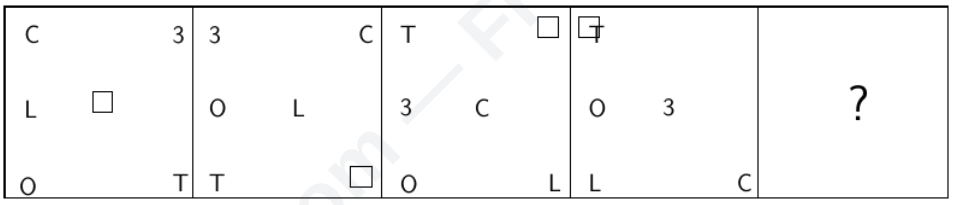
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Q33. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

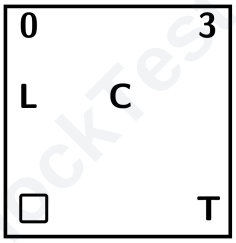
ESG, GTK, IUO, KVS, ?

(a) MWW
(b) MWX
(c) NWX
(d) NWW

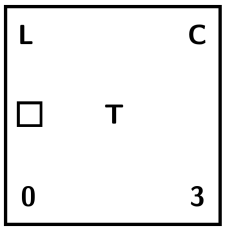
Q34. Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



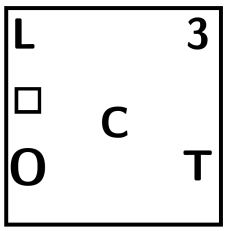
(a)



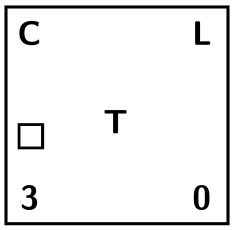
(b)



(c)



(d)



Q35. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

A. Some guns are swords.

B. All swords are onions.

Conclusions:

I. All guns are onions.

II. Some guns are swords.

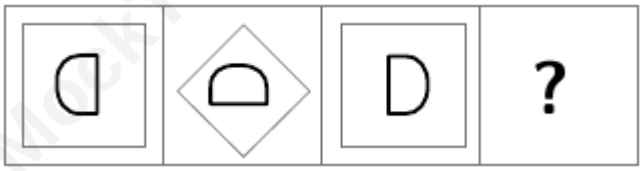
(a) None of the conclusions follow.
(b) Both the conclusions follow.
(c) Only conclusion I follows.
(d) Only conclusion II follows.

Q36. Seven people A, B, C, D, E, F and G are sitting around a circular table, facing the center (but not necessarily in the same order). C is sitting to the immediate right of B. E is sitting third to the left of B. D is the immediate neighbour of E and F. A is sitting to the immediate right of C.

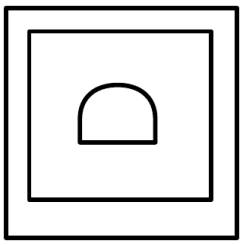
What is the position of G with respect to B?

(a) Second to the left
(b) Second to the right
(c) Third to the right
(d) To the immediate left

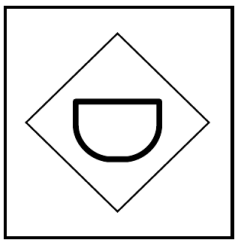
Q37. Identify the figure from the given options that can replace the question mark (?) and logically complete the series.



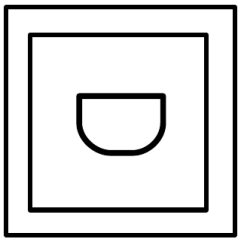
(a)



(b)

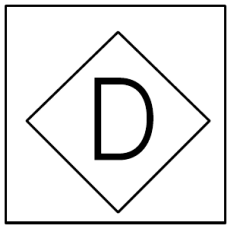


(c)



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(d)



Q38. 18 is related to 60 following a certain logic. Following the same logic, 42 is related to 140. To which of the following is 33 related, following the same logic?

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

(a) 110
(b) 95
(c) 130
(d) 80

Q39. What should come in place of the question mark (?) in the given series?

6, ?, 7, 10, 8, 11

(a) 5
(b) 8
(c) 12
(d) 9

Q40. BI 2 is related to EF 5 in a certain way. In the same way, KR 8 is related to NO 11. To which of the following is TI 3 related, following the same logic?

(a) WG 6
(b) WF 6
(c) WF 8
(d) WG 8

SESSION 2

Q41. Which Chapter of Part VI of the Indian Constitution is concerned with the State Legislatures?

(a) Chapter II
(b) Chapter III
(c) Chapter V
(d) Chapter VII

Q42. Which of the following dance forms is inspired by the sculptures of the ancient temple of Chidambaram?

(a) Bharatanatyam
(b) Kuchipudi
(c) Sattriya
(d) Manipuri

Q43. As per Census of India 2011, which of the following states has the highest percentage of urban population in India?

(a) Maharashtra
(b) Tamil Nadu
(c) Mizoram
(d) Gujarat

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Q44. In Jain Basti temple of Karnataka, over the garbhagriha is raised a _____ storied nirandhara vimana with a square griva and sikhara.

(a) eleven
(b) five
(c) three
(d) seven

Q45. With which of the following festivals does the five-day long festival of Diwali end?

(a) Narak Chaturdashi
(b) Govardhan Puja
(c) Bhai Dooj
(d) Dhanteras

Q46. In 1974, MS Subbulakshmi became the first Indian musician to win _____.

(a) Grammy Award
(b) Right Livelihood Award
(c) Ramon Magsaysay Award
(d) Pulitzer Prize Award

Q47. Seleucus Nicator was a contemporary of _____.

(a) Chanakya
(b) Kanishka
(c) Ashoka
(d) Kalashoka

Q48. With which of the following Amendment Acts of the Indian Constitution was 11^(th) Fundamental Duty added?

(a) 42^(nd)
(b) 86^(th)
(c) 70^(th)
(d) 53^(rd)

Q49. In November 2023, who was re-appointed as the Chairman of the Armed Forces Tribunal?

(a) Justice Rajendra Menon
(b) Justice Sharad Arvind Bobde
(c) Justice RF Nariman
(d) Justice NV Ramana

Q50. Neville Steven Joseph D'Souza is associated with which game?

(a) Football
(b) Kabaddi
(c) Wrestling
(d) Tennis

Q51. Which of the two following countries were formed as a result of the partition of India?

(a) India and Sri Lanka
(b) India and Pakistan
(c) India and Bangladesh
(d) India and Nepal

Q52. 'Straight from the Heart' is an autobiography of the famous cricketer _____.

(a) Sunil Gavaskar
(b) Madan Lal
(c) Kapil Dev
(d) Mohinder Amarnath

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Q53. What is the stump height of a cricket wicket as per international standards?

(a) 28 inches
(b) 29 inches
(c) 30 inches
(d) 31 inches

Q54. The Permanent Settlement introduced by Cornwallis was NOT prevalent in which of the following regions of India?

(a) Bengal
(b) Bihar
(c) Odisha
(d) Punjab

Q55. According to the advancing of monsoon in India, which of the following cities receives rainfall after 15 June every year?

(a) Jaipur
(b) Imphal
(c) Bengaluru
(d) Hyderabad

Q56. Which of the following sultans of Delhi set up three different markets for different commodities in Delhi?

(a) Ghiyasuddin Balban
(b) Sikandar Lodi
(c) Muhammad Bin Tughlaq
(d) Alauddin Khalji

Q57. Who among the following dancers won the prestigious Padma Shree award in the year 2021, for her contribution to folk dance?

(a) Matha B Manjamma Jogathi
(b) Amubi Singh
(c) Kumudini Lakhia
(d) Teejan Bai

Q58. Which state government of India launched the 'Swanirbhar Nari' aimed at making the weavers of the state self-reliant?

(a) Bihar
(b) Chhattisgarh
(c) Jharkhand
(d) Assam

Q59. Which Article of the Constitution of India governs the Population Census?

(a) Article 179
(b) Article 246
(c) Article 233
(d) Article 128

Q60. Bhakra Dam is built on which of the following rivers?

(a) Satluj
(b) Chenab
(c) Ravi
(d) Beas

Q61. The zone where the earthquake waves are not observed is called:

(a) Benthic Zone
(b) Hypocentre
(c) Shadow Zone

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(d) Epicentre

Q62. Identify the primary characteristic of the Cooperative Development Foundation (CDF) model of SHGs regarding its focus on membership from the following.

(a) It exclusively targets poor members.
(b) It excludes women from membership.
(c) It includes both poor and non-poor members.
(d) It exclusively targets non-poor members.

Q63. The number of organisms in the population divided by a regular unit of area or volume is called _____.

(a) death rate
(b) population size
(c) population density
(d) birth rate

Q64. Select the INCORRECT statement from the following.

(a) Boiling is a bulk phenomenon.
(b) Both boiling and evaporation are bulk phenomena.
(c) Evaporation is a surface phenomenon.
(d) Evaporation causes cooling.

Q65. The iodine value of oil and fat indicates:

(a) degree of unsaturation
(b) degree of saturation
(c) number of iodine atoms present
(d) number of C atoms present

Q66. Identify the spelling error in the given sentence.

The restaurant offered a diverse menu with a wide renge of culinary options.

(a) restaurant
(b) diverse
(c) options
(d) renge

Q67. Select the most appropriate option to fill in the blank.

The charismatic leader's speeches were known for their _____ impact on motivating people to take positive actions.

(a) frugal
(b) profound
(c) doldrums
(d) impotence

Q68. Select the most appropriate option to fill in the blank.

The Kumbh Mela (the festival of the sacred Pitcher) is the world's biggest peaceful gathering of pilgrims, with participants bathing or taking the dip in the _____ river.

(a) depth
(b) profane
(c) sacred
(d) shallow

Q69. Select the option that rectifies the given sentence.

She runs very quick in marathons.

(a) She run very quick in marathons.
(b) She runs very quickly in marathons.
(c) She run much quickly in marathons.

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(d) She runs much quickly in marathons.

Q70. Which of the following sentences contains an error in the use of a phrasal verb?

(a) The old lady broke down when she heard her son lost his job.
(b) Try your level best before you decide to give up.
(c) Make over the bed daily. It is a good habit.
(d) Clean out the backyard this weekend.

Q71. Select the option that expresses the given sentence in present perfect continuous tense form

Rama is working on this project.

(a) Rama has been working on this project since six months.
(b) Rama has worked on this project for six months
(c) Rama is working on this project for six months.
(d) Rama has been working on this project for six months.

Q72. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

He climbed of / the steep mountain trail, / his backpack heavy / with supplies for the journey.

(a) with supplies for the journey.
(b) his backpack heavy
(c) the steep mountain trail
(d) He climbed of

Q73. Select the most appropriate meaning of the given word.

Fragile

(a) Florid
(b) Juicy
(c) Strong
(d) Brittle

Q74. Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

Lisa was very excited about her promotion; she was very happy and delighted.

(a) on the ball
(b) on the attack
(c) on cloud nine
(d) under the weather

Q75. Select the most appropriate synonym that can substitute the underlined word in the given sentence.

The author's writing was so captivating that readers were enthralled by every word.

(a) jaded
(b) annoyed
(c) fascinated
(d) bored

Q76. Select the most appropriate meaning of the given idiom.

Brought to light

(a) To seem likely
(b) To burn
(c) In favour of
(d) To disclose

Q77. Select the option that can be used as one-word substitute for the given group of words.

Detailed examination of something complex

(a) Dialysis
(b) Synthesis

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(c) Symbiosis
(d) Analysis

Q78. Select the most appropriate meaning of the given idiom.

A dime a dozen

(a) Very common
(b) Very rare
(c) To take revenge
(d) To be in a difficult situation

Q79. Select the most appropriate synonym of the given word.

Illicit

(a) Illegal
(b) Integral
(c) Inessential
(d) Inaugural

Q80. Select the INCORRECTLY spelt word.

"The architekture of the building is marvellous," said the spectators.

(a) Marvellous
(b) Spectators
(c) Architekture
(d) Building

Q81. Select the most appropriate synonym of the given word to fill in the blank.

Averted

Rohit _____ looking at Sheena's face while we were talking about domestic violence.

(a) avoided
(b) saw
(c) confronted
(d) fostered

Q82. Select the correct spelling from the given options to fill in the blank.

They may vary and seem very different, but they are not _____.

(a) irreconcilable
(b) irrecincilable
(c) irrecosilable
(d) ireconcilable

Q83. In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative.

The table looks proper in the centre than in the corner.

(a) most proper
(b) properer
(c) properly
(d) more proper

Q84. The following sentence contains an error. Select the option that correctly rectifies the error.

Along with his friend, he walked till the end of the street and came back immediately.

(a) he walked to the
(b) for came back immediately
(c) Near with his friend,
(d) end by the street

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Q85. Select the most appropriate synonym of the given word.

Odious

(a) Pleasant
(b) Acceptable
(c) Repugnant
(d) Beautiful

Directions

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

Hyojeong, a twenty-five-year-old South Korean Youtuber (1) ..... since the age of 16. She (2) ..... around twenty-five countries so far. (3) ..... India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to (4) ..... more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video (5) ..... viral and the Mumbai police swung into action.

Q86. Select the most appropriate option to fill blank number 1.

(a) would have travelled
(b) have been travelling
(c) has been travelling
(d) will be travelling

Q87. Select the most appropriate option to fill blank number 2.

(a) will have covered
(b) has covered
(c) had been covered
(d) was covered

Q88. Select the most appropriate option to fill blank number 3.

(a) Visit
(b) Visiting
(c) Moved
(d) Moving

Q89. Select the most appropriate option to fill blank number 4.

(a) explore
(b) to be exploredq
(c) exploring
(d) having explored

Q90. Select the most appropriate option to fill blank number 5.

(a) going
(b) went
(c) go
(d) gone

ANSWER KEY

1	c	2	d	3	c	4	a	5	b	6	b	7	a	8	b	9	a	10	a
11	c	12	a	13	b	14	d	15	c	16	c	17	b	18	c	19	d	20	d
21	c	22	d	23	d	24	c	25	a	26	d	27	a	28	c	29	a	30	a
31	a	32	d	33	a	34	b	35	d	36	c	37	b	38	a	39	d	40	b
41	b	42	a	43	c	44	b	45	c	46	c	47	a	48	b	49	a	50	a

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51	b	52	c	53	a	54	d	55	a	56	d	57	a	58	d	59	b	60	a
61	c	62	c	63	c	64	b	65	a	66	d	67	b	68	c	69	b	70	c
71	d	72	d	73	d	74	c	75	c	76	d	77	d	78	a	79	a	80	c
81	a	82	a	83	d	84	a	85	c	86	c	87	b	88	b	89	a	90	b

SOLUTIONS

Q1. Answer: (c) 5040

Given:

Numbers: 140, 180, 240

Formula Used:

LCM: Least Common Multiple

Calculation:

Prime factorization:

140 = $2^2 \times 5 \times 7$

180 = $2^2 \times 3^2 \times 5$

240 = 2^4 × 3 × 5

LCM = Highest power of each prime factor:

=> LCM = $2^4 \times 3^2 \times 5 \times 7$

=> LCM = $16 \times 9 \times 5 \times 7$

=> LCM = 144×35

=> LCM = 5040

The LCM of 140, 180, and 240 is 5040.

Q2. Answer: (d) 29700 cm^3

Given:

Height of the cylinder (h) = 42 cm

Curved surface area of the cylinder = 3960 cm^2

$\pi = 22/7$

Formula Used:

Curved Surface Area of Cylinder = $2\pi rh$

Volume of Cylinder = $\pi r^2 h$

Calculation:

Curved Surface Area = $2\pi rh$

=> $3960 = 2 \times (22/7) \times r \times 42$

=> $3960 = 264r$

=> $r = 3960 / 264$

=> r = 15 cm

Volume = $\pi r^2 h$

=> Volume = $(22/7) \times 15^2 \times 42$

=> Volume = $(22/7) \times 225 \times 42$

=> Volume = $22 \times 225 \times 6$

=> Volume = 29700 cm^3

The volume of the cylinder is 29700 cm^3.

Q3. Answer: (c) 10

Given:

A sum of money becomes 5 times in 12 years at simple interest.

Formula Used:

Simple Interest (SI) = P × R × T / 100

Amount (A) = P + SI

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Calculation:
Let the principal amount be P and the rate of interest be R% per annum.
According to the question,
P × R × 12 / 100 = 4P
=> 12PR / 100 = 4P
=> R = (4P × 100) / (12P)
=> R = 400 / 12
=> R = 100 / 3 % per annum
Now, we need to find out how many times the money will become in 27 years.
Simple Interest for 27 years:
SI = P × (100 / 3) × 27 / 100
=> SI = P × 27 / 3
=> SI = 9P
Total Amount after 27 years:
A = P + SI
=> A = P + 9P
=> A = 10P
The money will become 10 times in 27 years.
The correct answer is option 3.

Q4. Answer: (a) 6 and 6

Given:
x : 6 :: 6 : y
x : y :: y : 6
Calculation:
From the first ratio, x : 6 :: 6 : y, we can express this as:
x / 6 = 6 / y
→ x × y = 36 (Equation 1)
From the second ratio, x : y :: y : 6, we can express this as:
x / y = y / 6
→ x × 6 = y^2 (Equation 2)
Now, solve these equations:
From Equation 2: x = y^2 / 6
Substitute this into Equation 1:
(y^2 / 6) × y = 36
=> y^3 / 6 = 36
=> y^3 = 216
=> y = 6
Substitute y = 6 into Equation 2 to find x:
x × 6 = 6^2
x = 6
The values of x and y are 6 and 6, respectively.

Q5. Answer: (b) 247

Concept Used:
The full marks for each subject are given as:
Maths = 150
Science = 100
English = 140
Calculation:
Student B in Maths: The percentage of marks obtained by Student B in Maths is 90%.
Marks in Maths = (90 / 100) × 150 = 135

Student A in English: The percentage of marks obtained by Student A in English is 80%.
Marks in English = (80 / 100) × 140 = 112
Total marks obtained by Student B in Maths and Student A in English = 135 + 112 = 247
The total marks obtained by Student B in Maths and Student A in English are 247marks.

Q6. Answer: (b) 283

Given:
The capsule is shaped like a cylinder with two hemispheres attached to each end.
Length of the entire capsule = 15 mm
Diameter of the capsule = 6 mm
Radius of the capsule (r) = Diameter / 2 = 6 / 2 = 3 mm
π = 22/7
Formula used:
The total surface area (SA) of the capsule consists of three parts:
The surface area of the cylindrical part (excluding the hemispherical ends): $2\pi r \times h$
The surface area of the two hemispheres (together): $4\pi r^2$
Where h is the height of the cylindrical part.
The height of the cylindrical part (h) is the total length minus the two radii (one for each hemisphere):
h = 15 - 2r = 15 - 2 × 3 = 9 mm
Calculation:
The surface area of the cylindrical part:
SA_(cylinder) = $2\pi r \times h = 2 \times (22/7) \times 3 \times 9 = 2 \times (22/7) \times 27 = 2 \times (594/7) = 1188 / 7 \approx 169.71$ mm²
The surface area of the two hemispheres:
SA_(hemispheres) = $4\pi r^2 = 4 \times (22/7) \times 3^2 = 4 \times (22/7) \times 9 = 4 \times (198/7) = 792 / 7 \approx 113.14$ mm²
The total surface area of the capsule is the sum of the areas of the cylindrical part and the two hemispheres:
Total SA = 169.71 + 113.14 ≈ 282.85 mm² ≈ 282mm².
Therefore The correct answer is option 2.

Q7. Answer: (a) 12 P.M.

Given:
Distance between two stations A and B = 1800 km
Speed of the train starting from A at 7 A.M. = 100 km/h
Speed of the train starting from B at 8 A.M. = 325 km/h
Formula Used:
Time = Distance / Relative Speed
Calculation:
Let the trains meet after t hours after the train from A starts.
By the time the second train starts, the first train would have already covered:
Distance covered by train from A in 1 hour = 100 km/h × 1 h = 100 km
Remaining distance = 1800 km - 100 km = 1700 km
Relative speed = Speed of train from A + Speed of train from B
Relative speed = 100 km/h + 325 km/h = 425 km/h
Time taken to meet after 8 A.M. = Remaining Distance / Relative Speed
=> Time taken to meet after 8 A.M. = 1700 km / 425 km/h
=> Time taken to meet after 8 A.M. = 4 hours
Time they meet = 8 A.M. + 4 hours = 12 P.M.
The trains will cross each other at 12 P.M.

Q8. Answer: (b) 44 kg

Given:
Average weight of 20 boys = 65 kg
Average weight of remaining 35 boys = 32 kg
Formula Used:

Average weight of all boys = (Total weight of all boys) / (Total number of boys)
Calculation:
Total weight of 20 boys = 20 × 65
Total weight of 20 boys = 1300 kg
Total weight of 35 boys = 35 × 32
Total weight of 35 boys = 1120 kg
Total weight of all boys = 1300 + 1120
Total weight of all boys = 2420 kg
Total number of boys = 20 + 35
Total number of boys = 55
Average weight of all boys = 2420 / 55
Average weight of all boys = 44 kg
The average weight of all the boys in the class is 44 kg.

Q9. Answer: (a) 500

Given:
Initial distance between the policeman and the thief = 100 m
Speed of the policeman = 6 m/s
Speed of the thief = 5 m/s
Formula used:
The policeman is chasing the thief, so the relative speed between them is the difference in their speeds.
Relative speed = Speed of policeman - Speed of thief = 6 m/s - 5 m/s = 1 m/s
Calculation:
The policeman has to cover the initial distance of 100 m to catch the thief.
Time taken to catch the thief = Distance / Relative speed = 100 m / 1 m/s = 100 seconds
Now, we calculate the distance covered by the thief during this time.
Distance covered by the thief = Speed of the thief × Time = 5 m/s × 100 s = 500 m
The distance covered by the thief when he is caught is 500 m.

Q10. Answer: (a) 64 years

Given:
The number of lecturers before retirement = 8
The age of the new lecturer = 32 years
Reduction in the average age = 4 years
Formula Used:
Total age of the lecturers = Average age × Number of lecturers
Calculation:
Let the average age of the 8 lecturers before retirement be A years.
Total age of the 8 lecturers before retirement = 8A
After the new lecturer joins, the average age is reduced by 4 years, so the new average age = A - 4
Total age of the lecturers after the new lecturer joins = (A - 4) × 8
Total age of the lecturers after the new lecturer joins = 8A - 32
But the total age of the lecturers after the new lecturer joins is also equal to the total age of the lecturers before retirement minus the age of the retired lecturer plus the age of the new lecturer.
=> 8A - Age of the retired lecturer + 32 = 8(A - 4)
=> 8A - Age of the retired lecturer + 32 = 8A - 32
=> - Age of the retired lecturer + 32 = -32
=> - Age of the retired lecturer = -64
=> Age of the retired lecturer = 64 years
The age of the retired lecturer is 64 years.

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Q11. Answer: (c) 6.91

Given:
Selling price (SP) = Rs. 19
Profit = 10%
Formula Used:
Cost Price (CP) = SP / (1 + Profit%)
Increase in SP = SP_(new) - SP
Calculation:
Profit = 10%
CP = 19 / (1 + 10/100)
CP = 19 / 1.1
CP = 17.27 (rounded to two decimal places)
New Profit = 50%
SP_(new) = 17.27 × (1 + 50/100)
SP_(new) = 17.27 × 1.5
SP_(new) = 25.91 (rounded to two decimal places)
Increase in SP = SP_(new) - SP
Increase in SP = 25.91 - 19
Increase in SP = 6.91
The correct answer is option 3.

Q12. Answer: (a) 33 1/3 %

Given:
Cost price of 20 articles = Selling price of 15 articles.
Formula Used:
Profit Percentage = (Profit / Cost Price) × 100
Calculation:
Let Cost Price (CP) of 1 article be Rs. x.
So, CP of 20 articles = 20x.
Selling Price (SP) of 15 articles = 20x.
So, SP of 1 article = 20x / 15 = 4x / 3.
Profit = SP - CP = (4x / 3) - x = (4x - 3x) / 3 = x / 3.
Profit Percentage = (Profit / CP) × 100
Profit Percentage = ((x / 3) / x) × 100
Profit Percentage = (1 / 3) × 100
Profit Percentage = 33 1/3 %
The profit percentage in the transaction is 33 1/3 %.

Q13. Answer: (b) 1000

Given:
Simple Interest (SI) = Rs. 240
Time (T) = 3 years
Rate of Interest (R) = 8% per annum
Formula Used:
Simple Interest (SI) = (Principal (P) × Rate (R) × Time (T)) / 100
Calculation:
Let Principal (P) be Rs. x
Using the formula:
SI = (P × R × T) / 100
=> 240 = (x × 8 × 3) / 100
=> 240 = 24x / 100
=> 240 × 100 = 24x

=> 24000 = 24x

=> x = 24000 / 24

=> x = 1000

The principal sum is Rs. 1000.

Q14. Answer: (d) 2000

Given:

Simple interest = Rs. 240

Time = 3 years

Rate of interest per year = 4%

Formula Used:

Simple Interest (SI) = (Principal (P) × Rate (R) × Time (T)) / 100

Calculation:

We need to find the principal (P) that will earn a simple interest of Rs. 240.

Using the formula:

=> SI = (P × R × T) / 100

=> 240 = (P × 4 × 3) / 100

=> 240 = (12P) / 100

=> 240 = 0.12P

=> P = 240 / 0.12

=> P = 2000

The principal amount that will earn a simple interest of Rs. 240 in 3 years at 4% per year is Rs. 2000.

Q15. Answer: (c) 1:3

Given:

Cost of first type of rice = Rs. 60/kg

Cost of second type of rice = Rs. 80/kg

Average cost of the mixture = Rs. 75/kg

Formula used:

The formula for the average cost of the mixture when mixing two items is:

Average cost = (Cost of first type × Quantity of first type + Cost of second type × Quantity of second type) / (Quantity of first type + Quantity of second type)

Calculation:

Let the quantity of the first type of rice be x kg and the quantity of the second type be y kg.

We are given that the average cost of the mixture is Rs. 75/kg, so:

75 = (60x + 80y) / (x + y)

75(x + y) = 60x + 80y

=> 75x + 75y = 60x + 80y

=> 75x - 60x = 80y - 75y

=> 15x = 5y

=> 3x = y

=> x : y = 1 : 3

The shopkeeper must mix the two types of rice in the ratio 1:3.

Q16. Answer: (c) 21 7/8 %

Given:

A tradesman marks his goods 30% more than the cost price.

Discount allowed = 61/4%

Formula Used:

Gain Percentage = ((Selling Price - Cost Price) / Cost Price) × 100

Calculation:

Let the cost price (CP) be 100.

Marked price (MP) = CP + 30% of CP

Marked price (MP) = 100 + 30% of 100
Marked price (MP) = 100 + 30
Marked price (MP) = 130
Discount = 61/4% of MP
Discount = 6.25% of 130
Discount = 130 × (6.25 / 100)
Discount = 8.125
Selling Price (SP) = MP - Discount
Selling Price (SP) = 130 - 8.125
Selling Price (SP) = 121.875
Gain Percentage = ((SP - CP) / CP) × 100
Gain Percentage = ((121.875 - 100) / 100) × 100
Gain Percentage = (21.875 / 100) × 100
Gain Percentage = 21 7/8 %
The gain percentage is 21 7/8 %

Q17. Answer: (b) 20%

Given:
Height of the child on the 7th birthday = 125 cm
Height of the child on the 10th birthday = 150 cm
Formula used:
Percentage increase = ((New value - Old value) / Old value) × 100
Calculation:
Percentage increase in height from the 7th birthday to the 10th birthday:
=> Percentage increase = ((150 - 125) / 125) × 100
=> Percentage increase = (25 / 125) × 100
=> Percentage increase = 0.2 × 100 = 20%
The percentage increase in the height of the child from the 7th birthday to the 10th birthday is 20%.

Q18. Answer: (c) 196

Given:
Invalid votes are counted in votes of candidate B.
Candidate B gets 5 times the invalid votes.
Candidate A gets 8 times the invalid votes.
Candidate A wins by 28 votes.
Calculation:
Invalid votes = x
Votes for candidate A = 8x
Votes for candidate B = 5x
Votes for candidate B because of faulty machine = 5x + x = 6x
We are given that A wins by 28 votes, so:
Votes for A - Votes for B = 28
8x - 6x = 28
2x = 28
x = 14
Total votes = Votes for A + Votes for B + Invalid votes
Total votes = 8x + 5x + x
Total votes = 14 × 14 = 196
The total number of votes polled is 196.

Q19. Answer: (d) 205

Given:
The difference between any two consecutive numbers is 5.

The average of the five numbers is 215.
Calculation:
Let the first number = x
Second number = x + 5
Third number = x + 10
Fourth number = x + 15
Fifth number = x + 20
Average = (x + x + 5 + x + 10 + x + 15 + x + 20) / 5 = 215
=> (5x + 50) / 5 = 215
=> 5x + 50 = 215 × 5
=> 5x + 50 = 1075
=> 5x = 1075 - 50 = 1025
=> x = 1025 / 5
=> x = 205
The least number is 205.

Q20. Answer: (d) Rs. 840

Given:
Length and breadth ratio = 3:2
Area of the field = 3456 m^2
Cost of fencing = Rs. 3.50 per meter
Formula used:
Area rectangle = Length × Breadth
Calculation:
Let the length of the field be 3x and the breadth be 2x. Using the formula for area:
3456 = 3x × 2x
=> 3456 = $6x^2$
=> x^2 = 3456 / 6
=> x^2 = 576
=> x = √576 = 24
So, the length of the field = 3x = 3 × 24 = 72 meters, and the breadth of the field = 2x = 2 × 24 = 48 meters.
Perimeter = 2 × (Length + Breadth)
Perimeter = 2 × (72 + 48) = 2 × 120 = 240 meters
Cost of fencing = Perimeter × Cost per meter
Cost of fencing = 240 × 3.50 = Rs. 840
The cost of fencing the field is Rs. 840.

Q21. Answer: (c) [figure]

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

Q22. Answer: (d) Only conclusion I follows.

The possible venn diagram is:
Conclusions:
(i) Some clubs are gyms → True (As, All bars are clubs and Some bars are gyms then Some clubs are gyms definitely true)
(ii) Some gyms are not bars → False (As, Some bars are gyms. so, Some gyms are not bars is possibility but definite)
Thus, Only conclusion I follows.
Hence, the correct answer is "Option 4".

Q23. Answer: (d) 23

Given : 18 ÷ 6 + 2 – 3 × 4 = ?
According to the question, after '+' and '÷' are interchanged and '×' and '-' are interchanged:
18 + 6 ÷ 2 × 3 - 4 = ?

→ 18 + 6 ÷ 2 × 3 - 4
→ 18 + 3 × 3 - 4
→ 18 + 9 - 4
→ 23.
Hence, the correct answer is "Option 4".

Q24. Answer: (c) 1

The given code language is :
As, E A P is common in both code language.
Thus, code for 'S' is 1.
Hence, the correct answer is "Option 3".

Q25. Answer: (a) [figure]

The figure which will complete the given pattern is:
Hence, the correct answer is "Option 1".

Q26. Answer: (d) B is immediate left of F.

Given:
Six teachers are sitting around a circular table facing the centre.
A is sitting second to the right of F.
E is sitting second to the left of F.
C is an immediate neighbour of both A and F.
D is sitting fourth to the left of C.
Option 1) D is to the immediate right of E → False (As D is to the immediate left of E)
Option 2) F and D are immediate neighbours.→ False(AsF and D are not immediate neighbours)
Option 3) B is immediate right of F.→ False (As B is immediate left of F)
Option 4) B is immediate left of F.→ True.
Hence, the correct answer is "Option 4".

Q27. Answer: (a) 115

The logic followed here is:
Logic: (1st number × 3) + 10 = 2nd number.
21 is related to 73
→ (21 × 3) + 10
→ 63 + 10
→ 73. (equal to 2nd number)
And,
28 is related to 94
→ (28 × 3) + 10
→ 84 + 10
→ 94. (equal to 2nd number)
Similarly,
35 is related to
→ (35 × 3) + 10
→ 105 + 10
→ 115.
Hence, the correct answer is 'Option 1".

Q28. Answer: (c) 6

The pattern followed here is:
Thus, code for 'O' is '6'.
Hence, the correct answer is "Option 3".

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Q29. Answer: (a) MO 20

The pattern followed here is:
WY 13 is related to UW 16
And,
SU 19 is related to QS 22
Similarly,
OQ 17 is related to
Thus, 'OQ 17' is related to 'MO 20'.
Hence, the correct answer is "Option 1".

Q30. Answer: (a) 68

The logic followed here is:
'TIME' is coded as 61
And
'POND' is coded as 59
Similarly,
'BLUE' be coded
Thus, the correct answer is '68'.
Hence, the correct answer is "Option 1".

Q31. Answer: (a) 9

The given code language is:
As, 'L' is common in both the code language.
Thus, code for 'L' is '9'.
Hence, the correct answer is "Option 1".

Q32. Answer: (d) 12

Given : 2 ÷ 8 − 25 × 5 + 9 = ?
According to the question, after '+' and '-' are interchanged and '×' and '÷' are interchanged:
2 × 8 + 25 ÷ 5 - 9 = ?
→ 2 × 8 + 25 ÷ 5 - 9
→ 2 × 8 + 5 - 9
→ 16 + 5 - 9
→ 16 + (- 4)
→ 12.
Hence, the correct answer is "Option 4".

Q33. Answer: (a) MWW

The pattern followed here is:
Thus, 'MWW' is the correct answer.
Hence, the correct answer is "Option 1".

Q34. Answer: (b) [figure]

The pattern followed here is:
Hence, the correct answer is "Option 2".

Q35. Answer: (d) Only conclusion II follows.

The possible venn diagram is:
Conclusions:
I. All guns are onions → False (We only know that some guns are swords, and all swords are onions. That doesn't mean all guns are onions. We can't generalise based on partial information.)
II. Some guns are swords → True (This follows directly from Statement A.)
Thus, conclusion II follows.
Hence, the correct answer is "Option 4".

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Q36. Answer: (c) Third to the right

Given:

Seven people A, B, C, D, E, F and G are sitting around a circular table, facing the center.

C is sitting to the immediate right of B.

A is sitting to the immediate right of C.

E is sitting third to the left of B.

D is the immediate neighbour of E and F.

Thus, 'G' is third to the right of 'B'.

Hence, the correct answer is "Option 3".

Q37. Answer: (b) [figure]

The figure complete the series is:

Hence, the correct answer is "Option 2".

Q38. Answer: (a) 110

The logic followed here is:

Logic: 1st number × 3 + 1st number ÷ 3 = 2nd number.

18 is related to 60

→ 18 × 3 + 18 ÷ 3

→ 54 + 6

→ 60. (equal to 2nd number)

And,

42 is related to 140

→ 42 × 3 + 42 ÷ 3

→ 126 + 14

→ 140 (equal to 2nd number)

Similarly,

33 is related

→ 33 × 3 + 33 ÷ 3

→ 99 + 11

→ 110.

Thus, 33 is related to '110'.

Hence, the correct answer is "Option 1".

Q39. Answer: (d) 9

The pattern followed here is:

Thus, '9' will be the missing number in the series.

Hence, the correct answer is "Option 4".

Q40. Answer: (b) WF 6

The pattern followed here is:

BI 2 is related to EF 5

And,

KR 8 is related to NO 11

Similarly,

TI 3 related to

Thus, TI 3 is related to 'WF 6'.

Hence, the correct answer is "Option 2".

Q41. Answer: (b) Chapter III

The correct answer is Chapter III.

Key Points

• Chapter III of Part VI of the Indian Constitution specifically deals with the State Legislatures.

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• This chapter encompasses Articles 168 to 212, which outline the structure, composition, and functioning of the State Legislatures.

• It also includes provisions regarding the Governor, Legislative Assembly, Legislative Council, and their respective powers and procedures.

• Chapter III provides a framework for law-making at the state level, ensuring that the legislative process is systematic and consistent across different states.

Additional Information

• Chapter II

• Chapter II of Part VI deals with the Executive at the state level, focusing on the Governor, his powers, and functions.

• This chapter includes Articles 153 to 167.

• Chapter V

• Chapter V of Part VI pertains to the Comptroller and Auditor-General of India.

• This chapter includes Articles 148 to 151 and outlines the duties and powers of the CAG.

• Chapter VII

• Chapter VII of Part VI deals with the States in Part B of the First Schedule.

• This chapter includes Articles 238, which was repealed by the Constitution (Seventh Amendment) Act, 1956.

Q42. Answer: (a) Bharatanatyam

The Correct answer is Bharatanatyam.

Key Points

• Bharatanatyam is one of the oldest classical dance forms of India.

• It is traditionally performed by temple dancers called Devadasis.

• Inspired by the sculptures of the ancient Chidambaram temple in Tamil Nadu, Bharatanatyam reflects the poses and postures seen in these sculptures.

• The dance form emphasizes expressive hand gestures (Mudras), intricate footwork, and facial expressions.

• Nataraja, the dancing pose of Lord Shiva, is a significant icon in Bharatanatyam.

• Bharatanatyam is known for its fixed upper torso, bent legs, and intricate rhythms.

• It is accompanied by classical Carnatic music, and performances often narrate stories from Hindu epics.

Additional Information

• Kuchipudi

• Kuchipudi originates from a village named Kuchipudi in Andhra Pradesh.

• It combines both dancing and acting, often performed as dance-dramas.

• Kuchipudi focuses on graceful movements and strong narrative elements.

• Sattriya

• Sattriya is a classical dance form from Assam.

• It was introduced by the Vaishnavite saint Sankardev in the 15th century.

• Traditionally performed in Sattras (monasteries), it has strong religious and cultural themes.

• Manipuri

• Manipuri originates from the northeastern state of Manipur.

• It is known for its graceful, fluid movements and expressive hand gestures.

• Manipuri dance is deeply connected to the Ras Leela tradition associated with Lord Krishna.

Q43. Answer: (c) Mizoram

The Correct answer is Mizoram.

Key Points

• As per the Census of India 2011, Mizoram has the highest percentage of urban population among all states in India.

• Mizoram has experienced significant urbanization over the decades, contributing to its high urban population.

• The state has robust industrial development, which has led to increased urban growth and migration to urban areas.

• Infrastructure development in terms of transportation, housing, and public amenities has also supported urbanization in Tamil Nadu.

Additional Information

• Maharashtra

• Maharashtra is one of the most urbanized states in India with major cities like Mumbai, Pune, and Nagpur.

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• Mumbai, the capital city, is the financial hub of India.
• Gujarat
• Gujarat has a significant urban population with key cities like Ahmedabad, Surat, and Vadodara.
• It is known for its industrial and economic development.

Q44. Answer: (b) five

The Correct answer is five.

Key Points

• The Jain Basti temple in Karnataka is known for its distinctive architecture.
• It features a five-storied nirandhara vimana, a unique architectural element.
• The term nirandhara refers to a type of vimana without ambulatory passage.
• The vimana is topped with a square griva and sikhara, characteristic of Jain temple architecture.
• The temple is an important example of the Hoysala architectural style, which flourished in Karnataka.

Additional Information

• Hoysala Architecture
• The Hoysala dynasty ruled over parts of present-day Karnataka from the 10th to the 14th centuries.
• Hoysala architecture is renowned for its intricate carvings, star-shaped platforms, and elaborate sculptural decoration.
• Some of the most famous Hoysala temples include the Chennakesava Temple at Belur and the Hoysaleswara Temple at Halebidu.

Q45. Answer: (c) Bhai Dooj

The Correct answer is Bhai Dooj.

Key Points

• The five-day long festival of Diwali ends with the celebration of Bhai Dooj.
• Bhai Dooj is a festival that celebrates the bond between brothers and sisters.
• It is also known as Bhau Beej, Bhai Tika, and Bhai Phonta in different parts of India.
• On this day, sisters pray for their brothers' long life and prosperity, and in return, brothers give gifts to their sisters as a token of love.
• The festival is celebrated with great enthusiasm and traditional rituals, where sisters apply a tilak (a ceremonial mark) on their brothers' foreheads and perform an aarti (a ritual of worship).

Additional Information

• Narak Chaturdashi
• Narak Chaturdashi is also known as Choti Diwali.
• It is celebrated a day before the main Diwali festival and marks the victory of Lord Krishna over the demon Narakasura.
• This day is also known as Kali Chaudas in some regions.
• Govardhan Puja
• Govardhan Puja is celebrated the day after Diwali.
• This festival commemorates the lifting of the Govardhan Hill by Lord Krishna to protect the villagers from heavy rain and floods.
• On this day, people prepare and offer a large variety of food to Lord Krishna.
• Dhanteras
• Dhanteras marks the beginning of the five-day Diwali festival.
• It is dedicated to Lord Dhanvantari, the god of medicine, and is considered an auspicious day to buy gold, silver, and other valuables.
• People also light lamps and decorate their homes to welcome prosperity and good fortune.

Q46. Answer: (c) Ramon Magsaysay Award

The correct answer is Ramon Magsaysay Award.

Key Points

• In 1974, MS Subbulakshmi, a renowned Indian classical vocalist, became the first Indian musician to be honored with the Ramon Magsaysay Award.
• The Ramon Magsaysay Award is often regarded as Asia's Nobel Prize and is awarded annually to individuals or organizations in Asia who have achieved distinction in their respective fields.
• MS Subbulakshmi was recognized for her contributions to the field of music, particularly for her exceptional talent and dedication to preserving and promoting Indian classical music.

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• Her contributions to music and culture have had a profound impact on both national and international levels, making her a celebrated figure in the world of music.

• The award highlighted her role in enhancing the global recognition of Indian classical music and her efforts in cultural diplomacy.

Additional Information

• Grammy Award

• The Grammy Awards are accolades presented by the Recording Academy to recognize achievements in the music industry.

• It is one of the most prestigious awards in the music world, often considered the equivalent of the Oscars in the film industry.

• Right Livelihood Award

• The Right Livelihood Award is an international award that honors and supports those offering practical and exemplary solutions to the most urgent challenges facing the world today.

• It is also known as the "Alternative Nobel Prize."

• Pulitzer Prize Award

• The Pulitzer Prize is an award for achievements in newspaper, magazine and online journalism, literature, and musical composition within the United States.

• It was established in 1917 by provisions in the will of Joseph Pulitzer, an American-Hungarian newspaper publisher.

Q47. Answer: (a) Chanakya

The Correct answer is Chanakya.

Key Points

• Seleucus Nicator was a general of Alexander the Great and later became a ruler, establishing the Seleucid Empire.

• He had interactions with the Maurya Empire, specifically during the reign of Chandragupta Maurya.

• Chanakya (also known as Kautilya or Vishnugupta) was the chief advisor to Chandragupta Maurya.

• Chanakya was instrumental in the formation of the Maurya Empire and played a key role in the defeat of the Nanda dynasty.

• He is also known for his work, the Arthashastra, which is an ancient Indian treatise on statecraft, economic policy, and military strategy.

Additional Information

• Kanishka

• Kanishka was a prominent ruler of the Kushan Empire in the 2nd century CE.

• He is known for his military, political, and spiritual achievements and for promoting the Buddhist religion.

• Ashoka

• Ashoka was a famous emperor of the Maurya Dynasty in India, ruling from 268 to 232 BCE.

• He is known for his conversion to Buddhism and his efforts to spread Buddhist principles across Asia.

• Kalashoka

• Kalashoka was a ruler of the Shishunaga dynasty in ancient India.

• He is known for convening the Second Buddhist Council around 383 BCE.

Q48. Answer: (b) 86^(th)

The correct answer is 86th Amendment Act.

Key Points

• The 86th Amendment Act of the Indian Constitution was enacted in 2002.

• This amendment added the 11th Fundamental Duty under Article 51A of the Constitution.

• The 11th Fundamental Duty states that it is the duty of every citizen of India who is a parent or guardian to provide opportunities for education to their child or ward between the ages of six and fourteen years.

• The same amendment also introduced Article 21A, which made the right to education a fundamental right for children in the age group of 6 to 14 years.

• The 86th Amendment is a significant step towards ensuring that every child in India has access to education.

Additional Information

• 42nd Amendment Act

• The 42nd Amendment Act, also known as the Mini-Constitution, was enacted in 1976.

• This amendment added the Fundamental Duties to the Constitution, introducing ten Fundamental Duties under Article 51A.

• It also made significant changes to the Constitution, including the curtailing of judicial review and the extension of the term of the Parliament from five to six years.

Q49. Answer: (a) Justice Rajendra Menon

The correct answer is Justice Rajendra Menon.

Key Points

• Justice Rajendra Menon was re-appointed as the Chairman of the Armed Forces Tribunal in November 2023.

• The Armed Forces Tribunal is a military tribunal in India that adjudicates disputes and complaints regarding the commission, appointments, and conditions of service in respect of persons subject to the Army Act, 1950, the Navy Act, 1957, and the Air Force Act, 1950.

• Justice Menon has a distinguished career in law, having served as the Chief Justice of the Delhi High Court and the Patna High Court.

• His reappointment ensures continuity and the application of his extensive experience in dealing with legal matters pertaining to the armed forces.

Additional Information

• Justice Sharad Arvind Bobde

• Justice Bobde served as the 47th Chief Justice of India from November 2019 to April 2021.

• He was involved in several key judgments including the Ayodhya land dispute case.

• Justice RF Nariman

• Justice Nariman is a former judge of the Supreme Court of India, known for his expertise in constitutional law and commercial law.

• He has delivered several landmark judgments during his tenure.

• Justice NV Ramana

• Justice Ramana served as the 48th Chief Justice of India from April 2021 to August 2022.

• He focused on judicial reforms and the use of technology in the judiciary.

Q50. Answer: (a) Football

The Correct answer is Football.

Key Points

• Neville Steven Joseph D'Souza was an Indian footballer.

• He is known for being the first Asian player to score a hat-trick in an Olympic Games football match.

• D'Souza achieved this feat during the 1956 Melbourne Olympics, where he scored a hat-trick against Australia.

• He was part of the Indian team that reached the semi-finals in the 1956 Olympics, the highest achievement for Indian football in the Olympics.

• During his career, D'Souza played as a striker and was known for his quick reflexes and goal-scoring abilities.

Additional Information

• Kabaddi

• Kabaddi is a contact team sport that originated in India.

• The game is played between two teams of seven players each.

• It involves raiding the opponent's half and tagging as many defenders as possible without getting caught.

• Wrestling

• Wrestling is a combat sport involving grappling techniques.

• It includes styles such as Freestyle and Greco-Roman wrestling.

• Wrestling is a traditional sport in many cultures and has been part of the Olympics since ancient times.

• Tennis

• Tennis is a racket sport that can be played individually against a single opponent or between two teams of two players each.

• It is an Olympic sport and is played at all levels of society and at all ages.

• Major tournaments include the Grand Slam tournaments: the Australian Open, French Open, Wimbledon, and the US Open.

Q51. Answer: (b) India and Pakistan

The Correct answer is India and Pakistan.

Key Points

• The partition of India took place in 1947.

• It resulted in the creation of two independent dominions: India and Pakistan.

• The partition involved the division of two provinces, Bengal and Punjab, based on religious demographics.

• India became a secular state with a majority Hindu population.

• Pakistan was created as a state with a majority Muslim population.
• The partition led to one of the largest and most tragic mass migrations in history, with an estimated 10-15 million people displaced.
• Massive violence and communal riots accompanied the partition, resulting in significant loss of life and property.

Additional Information

• India and Sri Lanka
• Sri Lanka is an island nation located to the south of India.
• Sri Lanka gained independence from the British rule in 1948, separate from the partition of India.
• India and Bangladesh
• Bangladesh was originally part of Pakistan and was known as East Pakistan until 1971.
• It became an independent country after the Bangladesh Liberation War against Pakistan.
• India and Nepal
• Nepal is a landlocked country located to the north of India.
• Nepal was never a part of British India and therefore was not involved in the partition of India.

Q52. Answer: (c) Kapil Dev

The correct answer is Kapil Dev.

Key Points

• Kapil Dev is a former Indian cricketer and the captain of the Indian cricket team.
• He is widely regarded as one of the greatest all-rounders to have played the game.
• Under his captaincy, India won its first Cricket World Cup in 1983.
• His autobiography, "Straight from the Heart", gives insight into his journey and experiences as a cricketer.
• Kapil Dev is known for his fast bowling and aggressive batting.
• He held the record for the most wickets in Test cricket for a long time.

Additional Information

• Sunil Gavaskar
• Sunil Gavaskar is a former Indian cricketer known for his exceptional batting skills.
• He was the first player to score 10,000 runs in Test cricket.
• Gavaskar has written several books, including "Sunny Days" and "Idols".
• Madan Lal
• Madan Lal is a former Indian cricketer who played as an all-rounder.
• He was a part of the 1983 World Cup-winning team.
• Post-retirement, he has been involved in coaching and cricket commentary.
• Mohinder Amarnath
• Mohinder Amarnath is a former Indian cricketer known for his pivotal role in the 1983 World Cup.
• He was awarded the Man of the Match in the 1983 World Cup final.
• Amarnath has also been a cricket coach and commentator.

Q53. Answer: (a) 28 inches

The Correct answer is 28 inches.

Key Points

• The stump height of a cricket wicket as per international standards is 28 inches.
• A cricket wicket consists of three stumps that are 28 inches tall.
• These stumps are made of wood and are cylindrical.
• Each stump has a diameter of approximately 1.38 inches (3.5 cm).
• The stumps are placed such that they form a total width of 9 inches when put together.
• On top of the stumps, there are two wooden pieces called bails.
• The correct height of the stumps and the positioning of the bails are essential for the game to maintain standardized play conditions.

Additional Information

• The International Cricket Council (ICC) sets the standard dimensions for cricket equipment.
• These standards help in maintaining the uniformity and fairness in the game globally.
• Understanding the dimensions and specifications of the cricket wicket is important for players, umpires, and pitch curators to

ensure the game is played according to the rules.

Q54. Answer: (d) Punjab

The correct answer is Punjab.

Key Points

• The Permanent Settlement was introduced by Lord Cornwallis in 1793.

• It was also known as the Zamindari System.

• The system was implemented primarily in the regions of Bengal, Bihar, and Odisha.

• Under this system, the zamindars were recognized as the landowners and were responsible for collecting and paying land revenue to the British government.

• The system aimed to create a loyal class of landlords who would support British rule.

• The system was not implemented in the Punjab region, where different land revenue systems, like the Mahalwari system, were in place.

Additional Information

• Bengal

• Bengal was one of the first regions where the Permanent Settlement was introduced.

• The region was a significant revenue source for the British East India Company.

• Bihar

• Bihar also saw the implementation of the Permanent Settlement.

• The system had lasting effects on the agrarian structure and rural society of the region.

• Odisha

• The Permanent Settlement was extended to Odisha as well.

• It influenced the economic and social dynamics of the region.

Q55. Answer: (a) Jaipur

The Correct answer is Jaipur.

Key Points

• Jaipur receives rainfall after 15 June every year due to the advancing southwest monsoon.

• The southwest monsoon generally reaches the Rajasthan region around the second half of June.

• Jaipur, being in the northwestern part of India, typically experiences a slight delay in the onset of monsoon rains compared to the coastal and southern regions.

• Other cities listed receive monsoon rains earlier than Jaipur due to their geographical locations.

Additional Information

• Imphal

• Imphal is the capital city of the state of Manipur in northeastern India.

• It receives the southwest monsoon much earlier, typically around the beginning of June.

• Bengaluru

• Bengaluru is located in the southern part of India in the state of Karnataka.

• It experiences monsoon rains in early June due to its proximity to the Western Ghats.

• Hyderabad

• Hyderabad is the capital city of the state of Telangana in southern India.

• It typically receives monsoon rains in the first half of June.

Q56. Answer: (d) Alauddin Khalji

The correct answer is Alauddin Khalji.

Key Points

• Alauddin Khalji was one of the most powerful and efficient rulers of the Khalji dynasty.

• He is known for implementing several economic reforms, including setting up three different markets in Delhi.

• The markets were:

• Grain Market (Mandi) - For selling food grains.

• Cloth Market (Sara-i-Adl) - For selling clothes and other fabrics.

• Market for Horses, Slaves, and Cattle.

• These markets were established to control prices and ensure the availability of essential goods at regulated rates.

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• He also appointed special officers called Shahna-i-Mandi to oversee the functioning of these markets.

Additional Information

• Ghiyasuddin Balban

• Ghiyasuddin Balban was the ninth sultan of the Mamluk dynasty of Delhi.

• He is known for his strict administration and for strengthening the position of the sultanate against internal and external threats.

• He introduced the concept of Divine Kingship and maintained a well-disciplined army.

• Sikandar Lodi

• Sikandar Lodi was the ruler of the Lodi dynasty and the second son of Bahlul Lodi.

• He is known for his administrative efficiency and efforts to improve agriculture.

• He founded the city of Agra in 1504.

• Muhammad Bin Tughlaq

• Muhammad Bin Tughlaq was a ruler of the Tughlaq dynasty known for his ambitious projects and erratic decisions.

• He is famous for his decision to move the capital from Delhi to Daulatabad and for the introduction of token currency.

Q57. Answer: (a) Matha B Manjamma Jogathi

The correct answer is Matha B Manjamma Jogathi.

Key Points

• Matha B Manjamma Jogathi is a renowned folk dancer from Karnataka.

• She was honored with the Padma Shri award in the year 2021 for her significant contributions to folk dance.

• She is particularly known for her performance of the traditional Jogathi Nritya, a folk dance dedicated to the goddess Yellamma.

• Her journey as a transgender dancer has inspired many and brought attention to the rich heritage of folk arts in India.

Additional Information

• Amubi Singh

• Amubi Singh is known for his contributions to Manipuri dance.

• Manipuri dance is one of the classical dance forms of India, originating from the state of Manipur.

• Kumudini Lakhia

• Kumudini Lakhia is a prominent Kathak dancer and choreographer.

• She has made significant contributions to the Kathak dance form and is known for her innovative approach to the traditional dance style.

• Teejan Bai

• Teejan Bai is a renowned Pandavani singer from Chhattisgarh.

• Pandavani is a traditional performing art form that involves narration of tales from the Mahabharata with musical accompaniment.

Q58. Answer: (d) Assam

The Correct answer is Assam.

Key Points

• The Assam state government launched the 'Swanirbhar Nari' scheme.

• This initiative aims to make the weavers of the state self-reliant.

• The scheme focuses on promoting handloom and weaving activities in the state.

• Assam has a rich tradition of weaving, often referred to as the ‘Manchester of the East’ due to its vibrant handloom sector.

• The initiative is expected to boost the economic status of the weavers and ensure sustainable livelihoods.

Additional Information

• Bihar

• Bihar is known for its historical sites and cultural heritage.

• The state has a significant role in the Indian freedom struggle.

• It is known for its production of silk and handloom textiles, especially from the Bhagalpur region.

• Chhattisgarh

• Chhattisgarh is known for its mineral resources.

• The state is rich in tribal culture and traditions.

• It is a major producer of rice and is often referred to as the 'Rice Bowl of India'.

• Jharkhand

• Jharkhand is known for its mining industry.

• The state is rich in forests and tribal culture.
• It has significant reserves of coal, iron ore, copper ore, and bauxite.

Q59. Answer: (b) Article 246

The correct answer is Article 246.

Key Points

• Article 246 of the Constitution of India deals with the distribution of legislative powers between the Union and the States.
• This article divides the subject matter of laws into three lists: the Union List, the State List, and the Concurrent List.
• The Population Census falls under the Union List, meaning only the Parliament has the authority to legislate on this subject.
• The census in India is conducted under the provisions of the Census Act, 1948, which is a central legislation.
• The Population Census is carried out every ten years by the Office of the Registrar General and Census Commissioner, India, under the Ministry of Home Affairs.

Additional Information

• Article 179
• Article 179 of the Constitution of India deals with the vacation and resignation of, and removal from, the offices of Speaker and Deputy Speaker of the Legislative Assembly.
• This article specifies the procedure for the removal of the Speaker and Deputy Speaker from their positions.
• Article 233
• Article 233 of the Constitution pertains to the appointment of district judges.
• The article specifies that appointments, postings, and promotions of district judges in any state shall be made by the Governor of the state in consultation with the High Court.
• Article 128
• Article 128 deals with the attendance of retired Judges at sittings of the Supreme Court.
• This article allows the Chief Justice of India to request a retired judge of the Supreme Court or a High Court to sit and act as a judge of the Supreme Court.

Q60. Answer: (a) Satluj

The correct answer is Satluj.

Key Points

• The Bhakra Dam is built on the Satluj River.
• It is located in the state of Himachal Pradesh, India.
• The dam is one of the highest gravity dams in the world, with a height of 226 meters.
• The primary purpose of the dam is for irrigation, hydroelectric power generation, and flood control.
• The dam is a part of the Bhakra-Nangal Project, which also includes the Nangal Dam located downstream.
• The reservoir created by the Bhakra Dam is known as Gobind Sagar Lake.
• The dam provides water for irrigating millions of hectares of agricultural land in the states of Punjab, Haryana, and Rajasthan.

Additional Information

• Chenab River
• The Chenab River is one of the major rivers of the Indus River system.
• It originates from the Lahaul and Spiti district of Himachal Pradesh, India.
• The river flows through the Indian-administered region of Jammu and Kashmir, and then into Pakistan.
• It is known for its hydroelectric power potential, with several dams and power projects planned or under construction.
• Ravi River
• The Ravi River is another important river in the Indus River system.
• It flows through the Indian states of Himachal Pradesh and Punjab and enters Pakistan.
• The river is a vital source for irrigation and supports agricultural activities in the regions it flows through.
• Beas River
• The Beas River originates from the Himalayas in central Himachal Pradesh, India.
• It flows through the Indian state of Punjab before joining the Satluj River.
• The river is known for its picturesque valleys and is a popular destination for tourism and adventure sports.

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Q61. Answer: (c) Shadow Zone

The Correct answer is Shadow Zone.

Key Points

• The Shadow Zone is a region on the Earth's surface where seismic waves from an earthquake are not detected.

• This phenomenon occurs due to the refraction and reflection of seismic waves as they pass through different layers of the Earth's interior.

• The P-waves (primary waves) are refracted by the liquid outer core and create a shadow zone between 104° and 140° from the earthquake's focus.

• S-waves (secondary waves) cannot travel through the liquid outer core, creating a larger shadow zone that extends beyond 104° from the earthquake's focus.

• The study of the shadow zone helps scientists understand the internal structure of the Earth, including the properties of the core.

Additional Information

• Benthic Zone

• The Benthic Zone refers to the ecological region at the lowest level of a body of water, such as an ocean or lake, including the sediment surface and some sub-surface layers.

• Organisms living in this zone are called benthos, and they include various species of invertebrates, fish, and microorganisms.

• Hypocentre

• The Hypocentre is the point within the Earth where an earthquake rupture starts.

• It is the location beneath the Earth's surface where the strain energy stored in the rock is first released.

• Epicentre

• The Epicentre is the point on the Earth's surface directly above the hypocentre of an earthquake.

• This is the location where the earthquake's effects are usually felt most strongly.

Q62. Answer: (c) It includes both poor and non-poor members.

The correct answer is It includes both poor and non-poor members.

Key Points

• The Cooperative Development Foundation (CDF) model of Self Help Groups (SHGs) aims to create inclusive groups.

• This model is designed to promote financial inclusion by allowing membership of both poor and non-poor members.

• Inclusion of non-poor members helps in strengthening the financial base of the SHGs.

• It ensures diverse representation within the group, leading to better resource sharing and collective decision-making.

• This inclusive approach fosters social cohesion and helps in achieving sustainable development goals within the community.

Q63. Answer: (c) population density

The Correct answer is population density.

Key Points

• Population density refers to the number of organisms in a population divided by a regular unit of area or volume.

• It is a significant metric in ecology and population biology as it helps in understanding the distribution and abundance of species in an area.

• This metric is crucial for resource management as it indicates how crowded an area is and can influence the availability of resources like food, water, and shelter.

• High population density can lead to increased competition among organisms, while low population density might indicate ample resources but also potential challenges in finding mates.

• Population density is often used in urban planning to design sustainable cities by assessing the human population in various regions.

Additional Information

• Death rate

• The death rate, also known as mortality rate, is the number of deaths in a particular population during a specific time period.

• This rate is usually expressed per 1,000 individuals per year.

• It is used to understand the health status of a population.

• Population size

• Population size refers to the total number of individuals in a population.

• This metric is important for conservation efforts, especially for endangered species.

• Birth rate

• The birth rate is the number of live births per 1,000 individuals in a given year.

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• This rate helps in assessing the growth potential of a population.

Q64. Answer: (b) Both boiling and evaporation are bulk phenomena.

The Correct answer is Both boiling and evaporation are bulk phenomena.

Key Points

• Boiling is a bulk phenomenon as it involves the entire liquid reaching the boiling point and turning into vapor.

• Evaporation is a surface phenomenon that occurs at the surface of the liquid, where molecules escape into the air at temperatures below the boiling point.

• Since evaporation only affects the surface and not the entire liquid, it is not considered a bulk phenomenon.

• Evaporation causes cooling because the molecules with higher energy escape, leaving the remaining molecules with lower average energy.

Additional Information

• Boiling

• Boiling occurs when the liquid's temperature reaches its boiling point, causing vaporization throughout the liquid.

• This involves the formation of bubbles within the liquid that rise to the surface and burst.

• It is a rapid process compared to evaporation.

• Evaporation

• Evaporation occurs at any temperature, as long as the liquid's molecules have enough energy to escape into the gas phase.

• This process is usually slower and happens over a larger period.

• Examples of evaporation include the drying of clothes and the cooling effect of sweat on the skin.

Q65. Answer: (a) degree of unsaturation

The Correct answer is degree of unsaturation.

Key Points

• The iodine value is a measure used to determine the degree of unsaturation in oils and fats.

• It indicates the amount of iodine, in grams, that can be absorbed by 100 grams of a fat or oil.

• Higher iodine values suggest a greater number of double bonds (unsaturation) present in the fatty acids of the oil or fat.

• This value is important for understanding the chemical properties and stability of the fat or oil.

• Unsaturated fats are generally more prone to oxidation and can turn rancid more quickly than saturated fats.

Additional Information

• degree of saturation

• The degree of saturation refers to the number of single bonds in the fatty acids of fats and oils.

• Saturated fats have no double bonds, making them more stable and less prone to oxidation.

• number of iodine atoms present

• This is not a relevant measure for determining the characteristics of fats and oils.

• number of C atoms present

• The number of carbon atoms present in a fat or oil molecule does not directly relate to its iodine value.

• Carbon atoms are part of the fatty acid chains but do not indicate the degree of unsaturation.

Q66. Answer: (d) renge

The solution is in Hindi. Read it online.

Q67. Answer: (b) profound

The solution is in Hindi. Read it online.

Q68. Answer: (c) sacred

The solution is in Hindi. Read it online.

Q69. Answer: (b) She runs very quickly in marathons.

The correct answer is '2' i.e. She runs very quickly in marathons..

Key Points

• The given sentence uses the adverb incorrectly. The adverb "quickly" should be used instead of "quick" to describe the verb "runs."

• "Quick" is an adjective, while "quickly" is the adverb form that modifies the verb "runs."

• Therefore, the correct sentence should be "She runs very quickly in marathons."

Correct sentence: She runs very quickly in marathons.

Additional Information

• Adjective vs. Adverb:

• Adjective: Describes a noun or pronoun. Example: "quick" in "quick runner."

• Adverb: Modifies a verb, adjective, or other adverbs. Example: "quickly" in "runs quickly."

Q70. Answer: (c) Make over the bed daily. It is a good habit.

The correct answer is '3' Make over the bed daily. It is a good habit..

Key Points

• The sentence "Make over the bed daily. It is a good habit." contains an incorrect use of the phrasal verb "make over".

• The phrasal verb "make over" means to change or improve the appearance of something, which is not the intended meaning here.

• The correct phrasal verb to use in this context is "make" or "make up", which means to arrange or tidy the bed.

Correct sentence: Make up the bed daily. It is a good habit.

Additional Information

• Common Phrasal Verbs:

• Break down: To lose control emotionally or mentally.

• Give up: To stop trying or to surrender.

• Clean out: To clean the inside of something thoroughly.

Q71. Answer: (d) Rama has been working on this project for six months.

The correct answer is '4' i.e. Rama has been working on this project for six months.

Key Points

• The given sentence is in the present continuous tense, indicating an ongoing action.

• To convert it into the present perfect continuous tense, we use the structure "has/have been + present participle (verb+ing)".

• When the duration of the action is mentioned (e.g., "for six months"), it confirms the use of the present perfect continuous tense.

Correct sentence: Rama has been working on this project for six months.

Additional Information

• Present Perfect Continuous Tense:

• Structure: has/have been + present participle (verb+ing).

• Example: She has been reading for two hours.

• Usage: Describes an action that started in the past and is still continuing or has recently stopped, often with a focus on duration.

• Present Perfect Tense:

• Structure: has/have + past participle.

• Example: He has completed his homework.

• Usage: Describes an action that occurred at an unspecified time in the past and is relevant to the present.

Q72. Answer: (d) He climbed of

The correct answer is Option 4.

Key Points

• The primary issue in the sentence is the incorrect use of the preposition "of" after the verb "climbed."

• The correct preposition to use after "climbed" in this context is "up" or no preposition if the object directly follows the verb.

• The correct phrase should be "He climbed up the steep mountain trail" or "He climbed the steep mountain trail," ensuring grammatical correctness.

• Thus, the error is located in part 4 of the sentence.

Therefore, the correct answer is 4.

Correct Sentence: "He climbed up the steep mountain trail, his backpack heavy with supplies for the journey."

Additional Information

• 1: "with supplies for the journey," – This part of the sentence is grammatically correct and does not require any changes.

• 2: "his backpack heavy," – This part of the sentence is grammatically correct and does not require any changes.

• 3: "the steep mountain trail," – This part of the sentence is grammatically correct and does not require any changes.

• No error – This would be the correct option if there were no mistakes in the sentence, but there is an error in part 4.

Q73. Answer: (d) Brittle

The solution is in Hindi. Read it online.

Q74. Answer: (c) on cloud nine

The solution is in Hindi. Read it online.

Q75. Answer: (c) fascinated

The solution is in Hindi. Read it online.

Q76. Answer: (d) To disclose

The solution is in Hindi. Read it online.

Q77. Answer: (d) Analysis

The solution is in Hindi. Read it online.

Q78. Answer: (a) Very common

The solution is in Hindi. Read it online.

Q79. Answer: (a) Illegal

The solution is in Hindi. Read it online.

Q80. Answer: (c) Architekture

The solution is in Hindi. Read it online.

Q81. Answer: (a) avoided

The solution is in Hindi. Read it online.

Q82. Answer: (a) irreconcilable

The solution is in Hindi. Read it online.

Q83. Answer: (d) more proper

The correct answer is '4' i.e. more proper.

Key Points

• The given sentence compares two positions of the table: in the centre and in the corner.

• When making comparisons, the word "proper" should be modified correctly to reflect the comparative degree.

• The word "proper" is a two-syllable adjective, so the correct comparative form is "more proper" rather than "properer" or "most proper".

Correct sentence: The table looks more proper in the centre than in the corner.

Additional Information

• Comparative Adjectives:

• Structure: Adjective + "-er" or "more" + Adjective.

• Example: taller (for one-syllable words), more beautiful (for multi-syllable words).

• Usage: Used to compare differences between two objects or people.

• Superlative Adjectives:

• Structure: Adjective + "-est" or "most" + Adjective.

• Example: tallest (for one-syllable words), most beautiful (for multi-syllable words).

• Usage: Used to compare more than two objects or people, indicating the highest degree of the quality.

Q84. Answer: (a) he walked to the

The correct answer is Option 1.

Key Points

• The primary issue in the sentence is the use of the word "till" instead of "to."

• The correct preposition to indicate reaching a specific point or place is "to".

• The correct phrase should be "he walked to the end of the street," ensuring grammatical correctness and clarity.

• Thus, the error is located in the part of the sentence where the preposition is used incorrectly.

Therefore, the correct answer is Option 1.

Correct Sentence: "Along with his friend, he walked to the end of the street and came back immediately."

Additional Information

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• Option 2: "for came back immediately" – This option is grammatically incorrect and does not fit the context of the sentence.
• Option 3: "Near with his friend," – This option is grammatically incorrect and changes the meaning of the sentence.
• Option 4: "end by the street," – This option is grammatically incorrect and does not convey the intended meaning.
• No error – This would be the correct option if there were no mistakes in the sentence, but there is an error with the preposition "till".

Q85. Answer: (c) Repugnant

The solution is in Hindi. Read it online.

Q86. Answer: (c) has been travelling

The correct answer is 'has been travelling'.

Key Points

• The sentence requires the present perfect continuous tense to indicate an action that started in the past and is still ongoing.
• "Has been travelling" correctly conveys that Hyojeong started travelling at the age of 16 and has continued to do so up until now.
• "Would have travelled" is incorrect because it suggests a hypothetical situation.
• "Have been travelling" is incorrect because the subject "Hyojeong" requires the singular form "has".
• "Will be travelling" is incorrect because it refers to a future event, not something that started in the past.

Therefore, the correct answer is 'Option 3'.

Complete Passage: Hyojeong, a twenty-five-year-old South Korean Youtuber has been travelling since the age of 16. She *____*around twenty-five countries so far. *__*India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to *_*more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video *__*viral and the Mumbai police swung into action.

Additional Information

• The present perfect continuous tense ("has been travelling") is used to talk about actions that started in the past and are still continuing.
• The context of the sentence indicates that Hyojeong started travelling at the age of 16 and continues to do so, making the use of present perfect continuous tense appropriate.

Q87. Answer: (b) has covered

The correct answer is 'has covered'.

Key Points

• The sentence requires the present perfect tense to indicate an action that occurred at an indefinite time in the past and is relevant to the present.
• "Has covered" indicates that Hyojeong has travelled around twenty-five countries up to the present moment.
• "Will have covered" is incorrect because it refers to a future action that will be completed at some point.
• "Had been covered" is incorrect because it suggests a past perfect continuous tense, which is not suitable for the context.
• "Was covered" is incorrect because it indicates a simple past passive voice, which does not fit the context.

Therefore, the correct answer is 'Option 2'.

Complete Passage: Hyojeong, a twenty-five-year-old South Korean Youtuber has been travelling since the age of 16. She has covered around twenty-five countries so far. *_____*India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to *_*more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video *___*viral and the Mumbai police swung into action.

Additional Information

• The present perfect tense is used to talk about actions that happened at an indefinite time in the past and have relevance to the present.
• The context of the sentence indicates that Hyojeong has covered twenty-five countries up to the present time, making the use of present perfect tense appropriate.

Q88. Answer: (b) Visiting

The correct answer is 'Visiting'.

Key Points

• The sentence requires a gerund to serve as the subject of the clause, indicating an activity that Hyojeong wanted to do.
• "Visiting" India was high on her wish list, highlighting her desire to go to India.
• "Visit" is incorrect because it serves as a verb, which does not fit grammatically in this part of the sentence.

• "Moved" is incorrect because it suggests relocation, not a desired activity.

• "Moving" is incorrect because it implies relocation, not an intent to visit.

Therefore, the correct answer is 'Option 2'.

Complete Passage: Hyojeong, a twenty-five-year-old South Korean Youtuber has been travelling since the age of 16. She has covered around twenty-five countries so far. Visiting India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to *____*more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video *___*viral and the Mumbai police swung into action.

Additional Information

• The gerund ("Visiting") acts as a noun to reflect an activity that Hyojeong wanted to do.

• The context of the sentence indicates that visiting India was a specific aspiration of Hyojeong, making the use of the gerund appropriate.

Q89. Answer: (a) explore

The correct answer is 'explore'.

Key Points

• The sentence requires the infinitive form of the verb "explore" to indicate a future action that Hyojeong is planning to undertake.

• "Explore" fits correctly after "planning to" to indicate that she intends to explore more of the city.

• "To be explored" is incorrect because it implies something is to be explored by someone else, not Hyojeong herself.

• "Exploring" is incorrect because it does not fit grammatically after "planning to".

• "Having explored" is incorrect because it indicates an action that has already been completed before another action, which does not fit the context.

Therefore, the correct answer is 'Option 1'.

Complete Passage: Hyojeong, a twenty-five-year-old South Korean Youtuber has been travelling since the age of 16. She has covered around twenty-five countries so far. Visiting India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to explore more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video *____*viral and the Mumbai police swung into action.

Additional Information

• The infinitive form "to explore" is used after the verb "planning" to indicate a future intention or action.

• The context of the sentence indicates that Hyojeong has plans to explore more of the city in the future, making the use of the infinitive form appropriate.

Q90. Answer: (b) went

The correct answer is 'went'.

Key Points

• The sentence requires the simple past tense to indicate an action that occurred and was completed in the past.

• "Went" viral correctly indicates that the video became popular and was shared widely at a specific time in the past.

• "Going" is incorrect because it indicates a continuous action and does not fit the past tense context.

• "Go" is incorrect because it is the base form of the verb and does not fit the past tense context.

• "Gone" is incorrect because it is the past participle and requires an auxiliary verb to be used correctly.

Therefore, the correct answer is 'Option 2'.

Complete Passage: Hyojeong, a twenty-five-year-old South Korean Youtuber has been travelling since the age of 16. She has covered around twenty-five countries so far. Visiting India was high on her wish list. She is currently soaking in the energy of Mumbai and planning to explore more of this beautiful city. Unfortunately, her experience of the city turned sour recently. She was filming on the streets of Mumbai and two men tried to hug and kiss her, which was captured in her video. The video went viral and the Mumbai police swung into action.

Additional Information

• The simple past tense "went" is used to indicate an event that occurred and was completed at a specific time in the past.

• The context of the sentence indicates that the video became viral at a specific time in the past, making the simple past tense appropriate.

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