SSC CHSL Previous Paper 18 (Held On: 14 Oct 2020 Shift 3) (Previous Year Paper)

SSC Combined Higher Secondary Level (CHSL) • 2020 • 100 questions • 60 minutes • Answer key and solutions

Take this paper as a timed mock test

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

yourmocktest.com/pyq/ssc-chsl/ssc-chsl-previous-paper-18-held-on-14-oct-2020-shift-3-previo…

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

YourMockTest.com — Free Study Material

ENGLISH LANGUAGE

Q1. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

There are too less space for Naveen to park his car in front of the shop.

(a) was so few space
(b) No improvement
(c) was too little space
(d) were too little space

Q2. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. One of them said, “Let us use our combined knowledge to bring this animal to life.”

B. On the way, the three friends passed through a forest.

C. Seeing the bones, the friends thought of testing their knowledge and skills.

D. Under a tree in the forest, they saw the bones of an animal.

(a) BDCA
(b) ADCB
(c) CABD
(d) BCAD

Q3. Select the correct direct form of the given sentence.

Balaji said that he had already paid the instalment when the notice came to him.

(a) Balaji said, “I already paid the instalment when the notice had come to me."
(b) Balaji said, “He has already paid the instalment when the notice came to him.”
(c) Balaji said, “I had already paid the instalment when the notice came to me.”
(d) Balaji said, “I have already paid the instalment when the notice will come to me."

Q4. Identify the segment in the given sentence, which contains the grammatical error.

Did you tell to your mother that you saw her friend at the theatre?

(a) your mother that
(b) you saw her friend
(c) Did you tell to
(d) at the theater

Directions

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

‘Staged tourism’ whether it is of the tiger or the snow leopard kind, is driven by the desire of visitors to see specific animals. This often (1)____ pressure on a certain area, with hordes (2)__ tourists rushing to a spot. In (3)__ case of tigers, it is quite possible (4)__ the animal is stressed by the (5)____ caused by a bunch of excited tourists.

Q5. Select the most appropriate option to fill in blank number 1

(a) does
(b) puts
(c) makes
(d) gives

Q6. Select the most appropriate option to fill in blank number 2.

(a) from
(b) with
(c) of
(d) by

Q7. Select the most appropriate option to fill in blank number 3.

(a) that
(b) a
(c) the
(d) this

Q8. Select the most appropriate option to fill in blank number 4.

(a) what
(b) that
(c) how
(d) why

Q9. Select the most appropriate option to fill in blank number 5.

(a) disturbance
(b) disbelief
(c) dismissal
(d) disappointment

Q10. Identify the segment in the given sentence which contains the grammatical error.

You had better not to try and feed the animals in the zoo, it is forbidden.

(a) You had better not to try
(b) and feed the animals
(c) in the zoo
(d) it is forbidden

Q11. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Lata told to her team leader that she would be leaving office early as she had some urgent personal work.

(a) Lata telling to her team leader
(b) No improvement
(c) Lata tell to her team leader
(d) Lata told her team leader

Q12. Select the most appropriate meaning of the underlined idiom in the given sentence.

Sandeep received a new lease of life after moving to Pune

(a) started taking healthy food
(b) started looking for a job
(c) became energetic again
(d) looked for a group of friends

YourMockTest.com — Free Study Material

Q13. Select the INCORRECTLY spelt word.

(a) Success
(b) Surender
(c) Succulent
(d) Succumb

Q14. Select the word which means the same as the group of words given.

A large bedroom for a number of people in a school or institution

(a) Lodge
(b) Dormitory
(c) Residence
(d) Hostel

Q15. Select the word which means the same as the group of words given.

One who studies the elections and voting trends

(a) Psephologist
(b) Reviewer
(c) Sociologist
(d) Researcher

Q16. Select the most appropriate ANTONYM of the given word.

HARSH

(a) Lenient
(b) Robust
(c) Fragile
(d) Energetic

Q17. Directions: Each of the following questions has underlined idioms/phrases. Each sentence is followed by four options. Choose the option that best describes the meaning of the underlined idiom/phrase.

If someone is an old hand, then he/she is:

(a) forgetful
(b) weak
(c) aged
(d) experienced

Q18. Select the correctly spelt word

(a) Changeable
(b) Immpending
(c) Unsustanable
(d) Insigneficant

Q19. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. It was known as Lolark Ghat earlier and was renamed in honor of the saint.

B. In 1941, industrialist B.D. Birla undertook the renovation of the ghat.

C. Among the seven ghats that are associated with his life, the Tulsi Ghat is most special.

D. The glorious city of Kashi, famous for its ghats along the Ganges river, is where the 17th-century saint-poet, Tulsidas, lived.

(a) BDCA
(b) DCAB
(c) ABDC
(d) CDBA

YourMockTest.com — Free Study Material

Q20. Select the most appropriate synonym of the given word.

MANDATE

(a) Man-made
(b) Last trip
(c) Broken promise
(d) Official order

Q21. Select the most appropriate ANTONYM of the given word.

ARROGANCE

(a) Honesty
(b) Humility
(c) Familiarity
(d) Ignorance

Q22. Select the most appropriate option to fill in the blank in the given sentence.

The area is _____ close circuit television surveillance.

(a) over
(b) into
(c) about
(d) under

Q23. Select the correct passive form of the given sentence.

Please make a cup of coffee for me.

(a) I request you to make a cup of coffee for me.
(b) You are requested to make a cup of coffee for me
(c) Can you please make a cup of coffee for me?
(d) A cup of coffee can be made for me by you.

Q24. Select the most appropriate option to fill in the blank in the given sentence.

Students who are capable of understanding and managing their 'emotional intelligence' do better at school in _____ to their peers who lack the ability.

(a) resemblance
(b) comparison
(c) difference
(d) similarity

Q25. Select the most appropriate synonym of the given word.

ROTUND

(a) Range
(b) Rocky
(c) Round
(d) Rolled

GENERAL INTELLIGENCE

Q26. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Create
(b) Disband
(c) Assemble
(d) Construct

YourMockTest.com — Free Study Material

Q27. 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:

1. Some fishes are horses

2. Some horse are kites.

Conclusions:

I. Some horses are fishes.

II. Some kites are fishes.

III. Some kites are horses

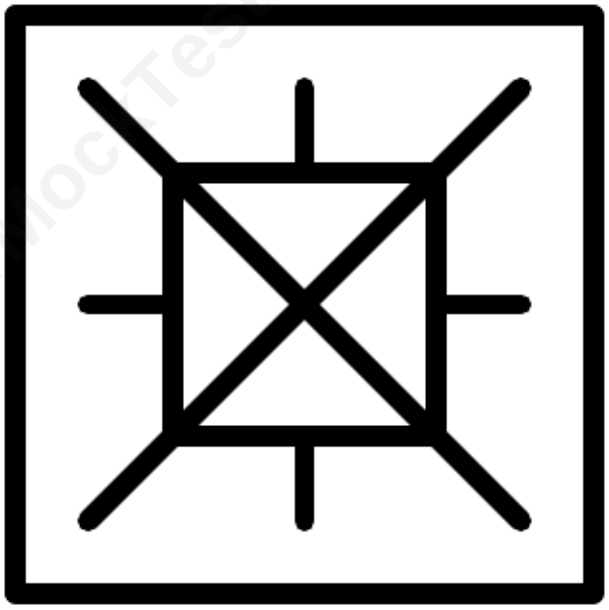
(a) ALL conclusions I, II and III follow.

(b) Only conclusion I and II follow.

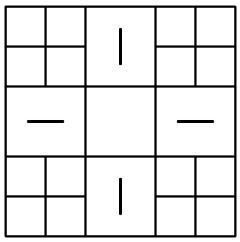
(c) Only conclusions II and III follow.

(d) Only conclusions I and III follow.

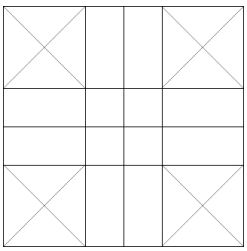
Q28. From the given options, select the figure which is embedded in the following figure (rotation is NOT allowed)



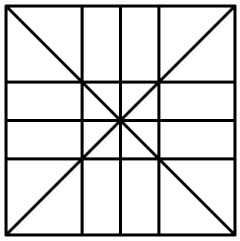
(a)



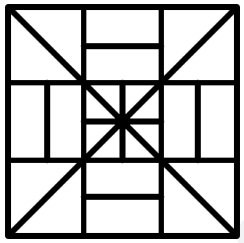
(b)



(c)



(d)



Q29. In a certain code language, 'STYLE' is written as '181924114'. How would 'FIRST' be written in the same code language.

(a) 58171820
(b) 69181920
(c) 58171819
(d) 58181920

Q30. Three of the following four number pairs are alike in a certain way and one is different. Find the odd one out.

(a) 30 : 961
(b) 25 : 676
(c) 24 : 529
(d) 21 : 484

Q31. Select the option that is related to the third number in the same way as the second number is related to the first number

3 : 25 :: 1 : ?

(a) 10
(b) 6
(c) 8
(d) 9

Q32. Select the option that is related to the third word in the same way is related to the first word.

school : Education : : Hospital : ?

(a) Books
(b) Doctors
(c) Treatment
(d) Diseases

Q33. A is the husband of M who is sister-in-law of N. N is the daughter of R and U. M is the daughter-in-law of U. How A is related to U?

(a) Father
(b) Son
(c) Brother
(d) Brotehr-in-lw

YourMockTest.com — Free Study Material

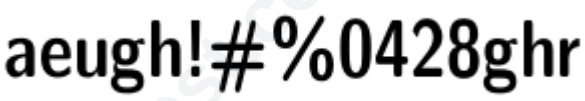
Q34. Four letter clusters have been given, out of which three alike in some manner and one is different. Select the odd one.

(a) LNQU
(b) VXAE
(c) UQNL
(d) YADH

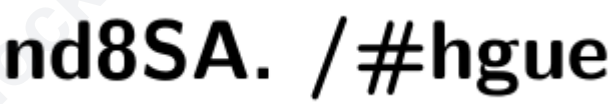
Q35. In a certain code language, TIGER is written s ROEIP. How will LION be written as in that language?

(a) JOMR
(b) JOUR
(c) JOIL
(d) JOUL

Q36. Which of the following options is the correct mirror image of the given figure when the mirror is placed to the right side of the figure?



(a)



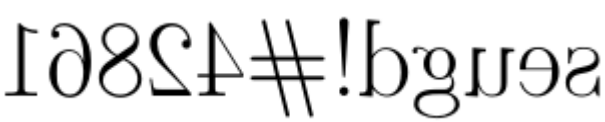
(b)



(c)



(d)



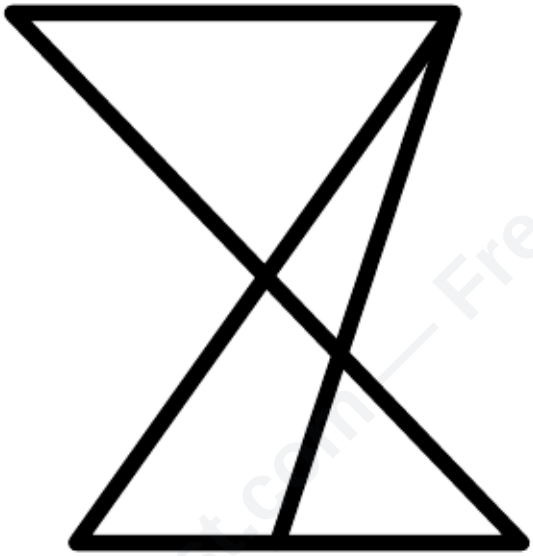
Q37. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(6, 18, 162)

(a) (5, 15, 80)
(b) (3, 18, 36)
(c) (4, 8, 32)
(d) (4, 12, 34)

YourMockTest.com — Free Study Material

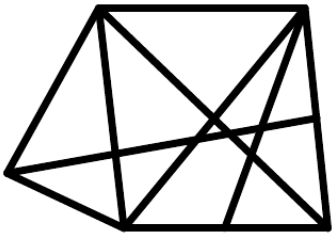
Q38. Select the option in which the given figure is embedded. (Rotation is not allowed)



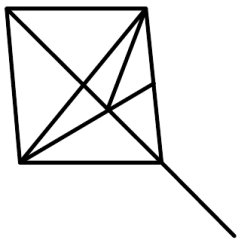
(a)



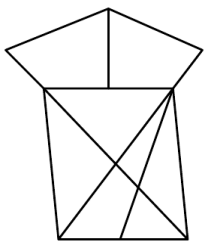
(b)



(c)

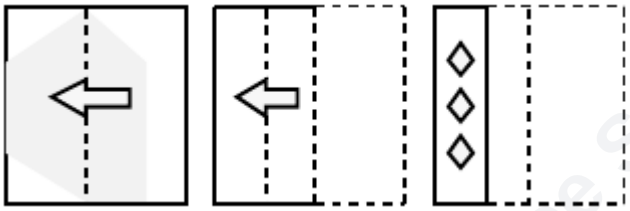


(d)

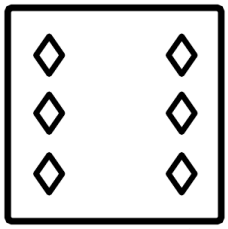


YourMockTest.com — Free Study Material

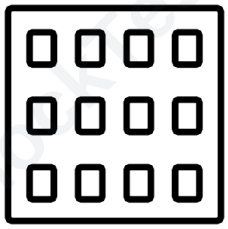
Q39. The sequence of folding a paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



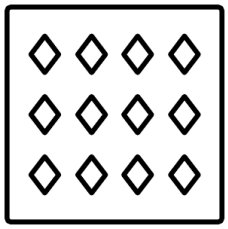
(a)



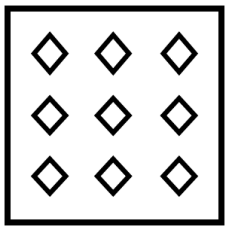
(b)



(c)



(d)



Q40. Arun is celebrating his birthday today. In his next birthday, he will be twice his age that was 12 years ago. How old is Arun today?

(a) 26 years
(b) 24 years
(c) 27 years
(d) 25 years

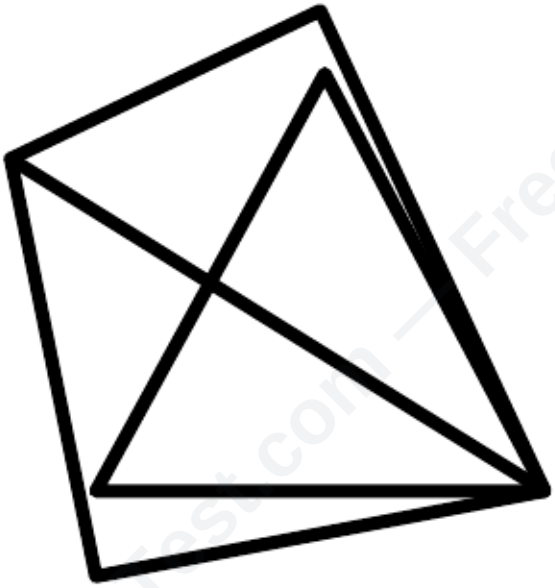
Q41. Select the set in which the numbers are related in the same way as are the numbers of the following set.

46, 92, 69

(a) 56, 78, 60
(b) 48, 82, 63
(c) 50, 88, 59

(d) 34, 72, 53

Q42. How many triangles are there in the given figure?



(a) 3
(b) 5
(c) 7
(d) 6

Q43. Select the number that can replace the question mark (?) in the following series.

0, 1, 1, 3, 2, ?, 3, 13, 4, 21

(a) 2
(b) 3
(c) 7
(d) 0

Q44. Four letter clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) BIZ
(b) MOW
(c) CUZ
(d) ABY

Q45. If in a code language PATNA is coded as 260 and GOA is coded as 69, then how will you code RANCHI?

(a) 318
(b) 620
(c) 135
(d) 360

Q46. Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

a_ _dda_ _cb_ _ _cac_ _da_

(a) bddacbdcbd
(b) bddaccbbdd
(c) cbcaddabdc
(d) bdddcbdacc

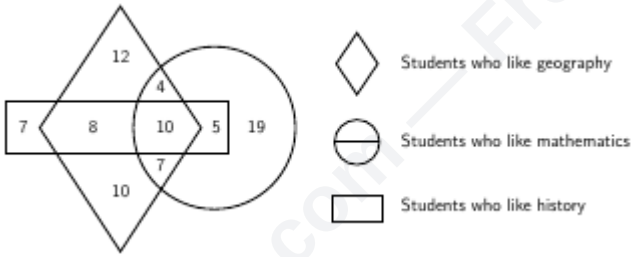
YourMockTest.com — Free Study Material

Q47. Select the option that is related to the third letter-cluster in the same way as the second-cluster is related to the first letter-cluster

PURPLE : OWOTGK :: GREEN : ?

(a) FTBJI
(b) FTBII
(c) FTBIJ
(d) FTBBI

Q48. Consider the following diagram



How many students like both geography and mathematics but NOT history?

(a) 21
(b) 7
(c) 4
(d) 11

Q49. Three different positions of the same dice are shown below. Which symbol is on the face opposite the face showing '(' ?



(a) #
(b) $
(c) +
(d) *

Q50. Which two numbers should be interchanged to make the following equation correct?

3 × 9 + 5 - 18 ÷ 7 = 24

(a) 18 and 9
(b) 5 and 7
(c) 9 and 7
(d) 3 and 5

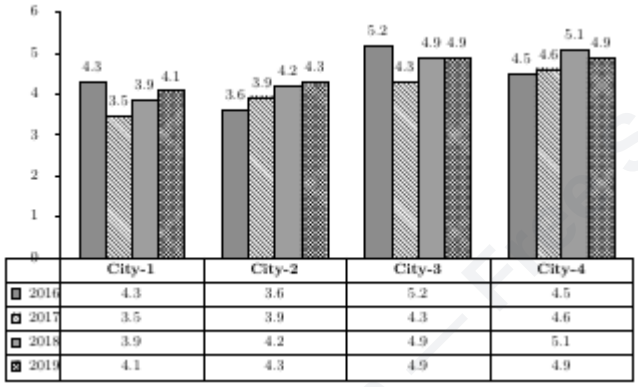
QUANTITATIVE APTITUDE

Q51. If a + b = 27 and $a^3 + b^3 = 5427$, then find ab

(a) 149
(b) 135
(c) 176
(d) 143

Free Study Material — YourMockTest.com

Q52. The following graph shows the sales of cars (in thousands) in four cities in 4 years. Study the graph and answer the question.



	City-1	City-2	City-3	City-4
2016	4.3	3.6	5.2	4.5
2017	3.5	3.9	4.3	4.6
2018	3.9	4.2	4.9	5.1
2019	4.1	4.3	4.9	4.9

In 2019, what is the average number of sales among all four cities?

(a) 4550
(b) 4178
(c) 4280
(d) 3980

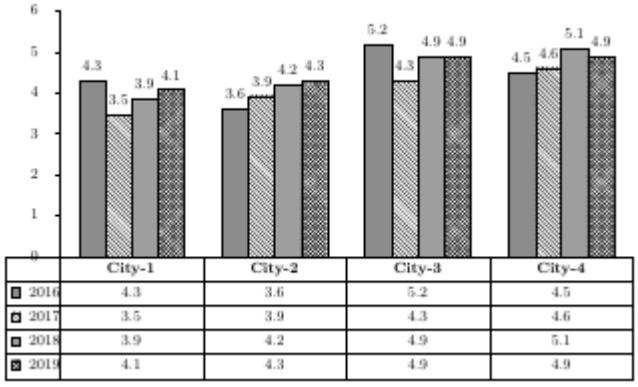
Q53. An article was marked at Rs. x and sold at a discount of (x - 40)%. If the customer paid Rs. (x - 32), then find the marked priced of the article

(a) Rs. 75
(b) Rs. 50
(c) Rs. 60
(d) Rs. 80

Q54. In a circle, PQ and RS are two diameters that are perpendicular to each other. Find the length of the chord PR.

(a) PQ/√2
(b) √2 PQ
(c) 2 PQ
(d) PQ/2

Q55. The following graph shows the sales of cars (in thousands) in four cities in 4 years. Study the graph and answer the question.



	City-1	City-2	City-3	City-4
2016	4.3	3.6	5.2	4.5
2017	3.5	3.9	4.3	4.6
2018	3.9	4.2	4.9	5.1
2019	4.1	4.3	4.9	4.9

Which city has the highest percentage of sales, and in which year?

(a) City-1, 2019
(b) City-3, 2016
(c) City-2, 2018
(d) City-4, 2017

YourMockTest.com — Free Study Material

Q56. Two numbers are respectively 25% and 65% more than a third number. The ratio of the two numbers is:

(a) 25 : 42
(b) 25 : 33
(c) 16 : 17
(d) 16 : 19

Q57. If sin θ - cos θ = 7/17, then find the value of sin θ + cos θ.

(a) 23/13
(b) 23/17
(c) 8/17
(d) 8/13

Q58. Find x if Cosx = -1/2

(a) 3π/2
(b) 2π/3
(c) 5π/3
(d) 5π/2

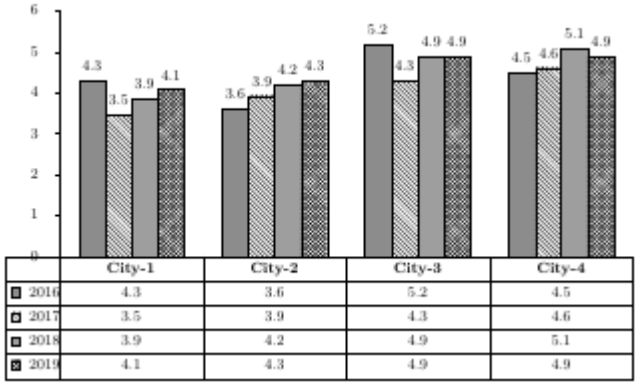
Q59. If in any triangle, the angles are in the ratio of 1 : 2: 1, then what will be the ratio of its sides?

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

Q60. Sachin scored 120 runs, which included 6 boundaries and 4 sixes. What percentage of his total score did he make by running between the wickets?

(a) 46 4/9 %
(b) 33 1/3 %
(c) 45%
(d) 60%

Q61. The following graph shows the sales of cars (in thousands) in 4 cities. Study the graph and answer the question.



	City-1	City-2	City-3	City-4
2016	4.3	3.6	5.2	4.5
2017	3.5	3.9	4.3	4.6
2018	3.9	4.2	4.9	5.1
2019	4.1	4.3	4.9	4.9

In which year, the total sales are highest?

(a) 2018
(b) 2017
(c) 2016
(d) 2019

Q62. A man buys an article for Rs. 3,200 and sells it at a loss of 12%. What is the selling price of the article?

(a) Rs. 3,012
(b) Rs. 2,816
(c) Rs. 3,428
(d) Rs. 2,856

YourMockTest.com — Free Study Material

Q63. If $x + 1/x = 8$, then find the value of $5x/(x^2 + 1 - 6x)$

(a) 6
(b) 6.5
(c) 5
(d) 2.5

Q64. Find the area of an equilateral triangle whose sides are 12 cm.

(a) 29 √5
(b) 45 √2
(c) 38
(d) 36 √3

Q65. Two parallel chords are drawn in a circle of diameter 20 cm. The length of one chord is 16 cm and the distance between the two chords is 12 cm. The length of the other chord is:

(a) 12 cm
(b) 18 cm
(c) 16 cm
(d) 20 cm

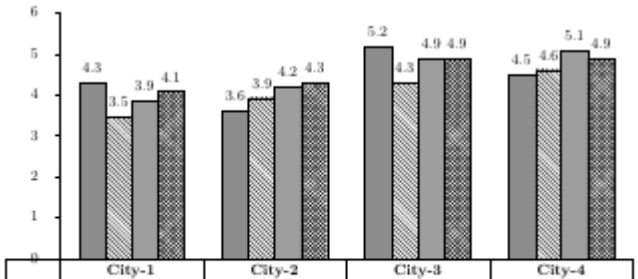
Q66. Find the simple interest on Rs. 74,000 at 18 2/3 % per annum for a period of 8 months?

(a) Rs. 9,486.32
(b) Rs.8,956.74
(c) Rs.8,458.96
(d) Rs.9,208.88

Q67. The average of 5 consecutive odd numbers is 75. By adding which number, will the average become 76?

(a) 81
(b) 79
(c) 76
(d) 77

Q68. The following graph shows the sales of cars (in thousands) in four cities in 4 years. Study the graph and answer the question.



	City-1	City-2	City-3	City-4
2016	4.3	3.6	5.2	4.5
2017	3.5	3.9	4.3	4.6
2018	3.9	4.2	4.9	5.1
2019	4.1	4.3	4.9	4.9

Which city has the highest sales?

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

Q69. An athlete crosses a distance of 900 m in 10 minutes. What is his speed in km per hour?

(a) 5.4 km/h
(b) 4.8 km/h
(c) 6.9 km/h

YourMockTest.com — Free Study Material

(d) 3.6 km/h

Q70. If sinx + cosecx = 2, then sin^(17)x + cosec^(18)x is equal to:

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

Q71. If x = 255, y = 256, z = 257, then find the value of $x^3 + y^3 + z^3 - 3xyz$

(a) 1378
(b) 2304
(c) 1876
(d) 1984

Q72. The largest five-digit number that is exactly divisible by 81 is:

(a) 99954
(b) 99876
(c) 99989
(d) 99991

Q73. The perimeter and length of a rectangle are in the ratio of 8 : 1, and the area of the rectangle is 1323 cm^2. Find the length of the rectangle.

(a) 22 cm
(b) 25 cm
(c) 21 cm
(d) 23 cm

Q74. Ramu works 4 times as fast as Somu. If Somu can complete a work in 20 days independently, then the number of days in which Ramu and Somu together can complete the work is:

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

Q75. Find the value of x in cbrt15625 - √x = 4

(a) 81
(b) 625
(c) 441
(d) 343

GENERAL AWARENESS

Q76. As of January 2020, who among the following became the first Indian female para-athlete and the oldest to be honored with the ‘Rajiv Gandhi Khel Ratna award’?

(a) Manasi Joshi
(b) Deepa Malik
(c) Karamjyoti Dalal
(d) Ramya Shanmugham

Q77. Which of the following nation's parliament passed a bill designating all United States military forces as terrorists on 7 January 2020?

(a) Iran
(b) North Korea
(c) Cuba
(d) Iraq

YourMockTest.com — Free Study Material

Q78. Who among the following won the ‘Man of the Series’ award in the three-match ODI series played between India and Australia in January 2020?

(a) Mitchell Starc
(b) Virat Kohli
(c) David Warner
(d) Jasprit Bumrah

Q79. Which of the following is a system designed to transmit information between electronic musical instruments ?

(a) MIDI devices
(b) Visual Display Unit
(c) Bar code reader
(d) Optical Mark Reader

Q80. 'Avesta’, also called ‘Zend-Avesta’, is the sacred book of:

(a) Zoroastrianism
(b) Buddhism
(c) Jainism
(d) Judaism

Q81. 'Ganga Sagar Mela’ is celebrated on the occasion of Makar Sankranti from 13 to 15 January every year in:

(a) Uttar Pradesh
(b) West Bengal
(c) Bihar
(d) Uttarakhand

Q82. Who among the following scripted history by becoming the second Indian male shuttler after Prakash Padukone to win the title of ‘BWF Badminton World Championships’ in August 2019?

(a) H S Prannoy
(b) Kidambi Srikanth
(c) Ajay Jayaram
(d) B. Sai Praneeth

Q83. An industrial economy is best defined as an economy whose 50% or more produce value comes from the _____ sector.

(a) tertiary
(b) banking
(c) secondary
(d) primary

Q84. Since the clinical thermometer is designed to measure the temperature of the human body only, it displays the range of 35°C to _____.

(a) 42°C
(b) 44°C
(c) 48°C
(d) 46°C

Q85. Who among the following is NOT one of the Indian Chess Grandmasters ?

(a) Koneru Humpy
(b) Prithu Gupta
(c) D Harika
(d) Rani Rampal

YourMockTest.com — Free Study Material

Q86. Who among the following was popularly known as ‘Frontier Gandhi’?

(a) Maulana Abul Kalam Azad
(b) Abdul Ghaffar Khan
(c) Ashfaqulla Khan
(d) Hasrat Mohani

Q87. The inner walls of small intestine have thousands of finger-like outgrowths. These are called:

(a) Lumps
(b) Myomas
(c) Villi
(d) Benign

Q88. In which color are the railway lines and telephone lines shown in the topographic map ?

(a) Yellow
(b) Black
(c) Blue
(d) Red

Q89. UNDP's ‘Human Development Report’ (HDR) measures development by combining which of the following three indicators?

(a) Health, education and agricultural growth
(b) Health, education and standard of living
(c) Health, education and average salary
(d) Health, industrial growth and standard of living

Q90. During India's struggle for independence, who among the following became the President of the All India States People’s Conference in 1939?

(a) Jawaharlal Nehru
(b) Shyama Prasad Mukherjee
(c) C Rajagopalachari
(d) Vinoba Bhave

Q91. What was the rank of the Indian passport in the world as per ‘Henley Passport Index 2020’ ?

(a) 84^(th)
(b) 74^(th)
(c) 38^(th)
(d) 26^(th)

Q92. Which of the following is an input device used to enter motion data into computers or other electronic devices?

(a) Monitor
(b) Trackball
(c) Joystick
(d) Plotter

Q93. Which of the following Himalayan ranges extends from the northern side of Leh to the Tibetan border and comprises Digar La Pass and Khardung La Pass?

(a) Zanskar Range
(b) Dhauladhar Range
(c) Ladakh Range
(d) Pir Panjal Range

Q94. India and China were engaged in a territorial dispute over Doklam in 2017. Doklam area is situated at the corner of the _____ tri-junction.

(a) Bhutan, Arunachal Pradesh and China
(b) Pakistan, Jammu & Kashmir and China

YourMockTest.com — Free Study Material

(c) Bhutan, Sikkim and China
(d) Bhutan, West Bengal and China

Q95. As of January 2020, who among the following is the Chairman of UPSC ?
(a) Gurbachan Jagat
(b) David R Syiemlieh
(c) Arvind Saxena
(d) PC Hota

Q96. Who among the following was conferred with 29^(th) Saraswati Samman for his short stories collection called 'Chequebook'?
(a) Vasdev Mohi
(b) K Siva Reddy
(c) Govind Mishra
(d) SL Bhyrappa

Q97. The election to constitute a Panchayat should be completed before the expiration of a period of_____ from the date of its dissolution.
(a) two months
(b) one year
(c) six months
(d) eight months

Q98. Which of the following gases is referred to as 'laughing gas' ?
(a) Carbon dioxide
(b) Carbon monoxide
(c) Nitrous Oxide
(d) Sulfur dioxide

Q99. As per Census 2011, which of the following is the most thickly populated state in India?
(a) West Bengal
(b) Maharashtra
(c) Goa
(d) Bihar

Q100. Which of the following articles of the Constitution of India provides constitutional remedies for the enforcement of fundamental rights?
(a) Article 40
(b) Article 32
(c) Article 38
(d) Article 36

ANSWER KEY

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

YourMockTest.com — Free Study Material

91 a	92 b	93 c	94 c	95 c	96 a	97 c	98 c	99 d	100 b

SOLUTIONS

Q1. Answer: (c) was too little space

The correct answer is 'was too little space'.

Key Points

• In the given sentence, the use of 'less' is grammatically incorrect. Here, in the given question, 'little' should be used.

• We know that 'less' is the comparative degree of 'little'. So, we should use less in comparative structures.

• Example: I have less homework to do today than I had yesterday.

• Whereas, the given sentence does not have any kind of comparison.

• In the given sentence, 'was' should be used instead of 'are' because the given sentence is in the past tense.

• Therefore, the correct answer is Option 3.

Correct Sentence: There was too little space for Naveen to park his car in front of the shop.

Additional Information

• Use of 'Very' and 'Too'

• These are degree adverbs and are used to give information about the extent or degree of something.

• We use 'very' when we want to show 'to a high degree'.

• Whereas, 'too' is used to show 'more than enough' or 'more than wanted or needed'.

• Example:

• Monica is too beautiful.

• Monica is very beautiful.

Q2. Answer: (a) BDCA

The correct answer is 'BDCA'.

Key Points

• The initial sentence will be part B because the first statement of a para jumble question is usually a general statement, a noun, a universal fact, or the starting of an incident, etc.

• The given sentence is the start of an incident. Therefore, part B will be the first sentence.

• Part B is directly connected with part D. While they were passing through the forest they saw the bones of an animal. Hence, BD makes a pair.

• Part C explains part D. Therefore, part D is further connected with part C.

• Only Option 1 has these pairs.

• Hence, the correct answer is Option 1.

Correct Answer: BDCA.

Q3. Answer: (c) Balaji said, “I had already paid the instalment when the notice came to me.”

The correct answer is Balaji said, "I had already paid the instalment when the notice came to me."

Key Points

• The given sentence is in Indirect Speech. As per the question we have to change it into Direct Speech.

• The process of transformation is as follows:

• There will be no change in the reporting verb 'said' because it has no object.

• Comma and inverted commas will be added.

• 'He' will be changed into 'I'.

• There will be no change in the tense. 'Had already paid' will have no change because we know that while making the transformation, the Past Perfect Tense does not change.

• Lastly, "him" will be changed into "me".

Correct Answer: Balaji said, "I had already paid the instalment when the notice came to me."

Q4. Answer: (c) Did you tell to

The correct answer is 'Did you tell to'.

Key Points

YourMockTest.com — Free Study Material

• The erroneous part 'Did you tell to' should be 'Did you tell' instead.
• The structure of the given sentence is grammatically incorrect.
• The structure should be:
• Did + Subject + V1+ Object?
• Example: Did he have a car?
• Therefore, the correct answer is Option 3.

Correct Sentence: Did you tell your mother that you saw her friend at the theatre?

Additional Information

• If the point of time words are mentioned in the sentence like Last, Yesterday, the other day, ago, back, before last, since, or any past word, etc. then we should use Past Indefinite Tense.
• Example: I saw the movie yesterday.

Q5. Answer: (b) puts

The correct answer is 'puts'.

Key Points

• The given passage is about 'Staged tourism'.
• Only Option 2 fits the best in the given blank.
• 'Put Pressure' is a phrase. Its meaning is as follows:
• To try to influence or persuade one to do something or act a certain way; to make demands on or expect something from someone.
• Example: My parents have been putting pressure on me to get a job.
• Therefore, the correct answer is Option 2.

Correct Sentence: "This often puts pressure on a certain area..."

Additional Information

• Staged Tourism: Staged tourism is essentially a cultural practice, event, or activity that is 'staged' for the purpose of the tourists.
• It could be that this is an outdated practice or that it has been modified for the purpose of tourism.

Q6. Answer: (c) of

The correct answer is 'of'.

Key Points

• The given passage is about 'Staged tourism'.
• We know that 'horde' is followed by the preposition 'of'.
• Horde: a large group of people.
• Example: Hordes of students on bikes made crossing the road difficult.
• Therefore, the correct answer is Option 3.

Correct Sentence: "with hordes of tourists rushing to a spot..."

Additional Information

• Staged Tourism: Staged tourism is essentially a cultural practice, event, or activity that is 'staged' for the purpose of the tourists.
• It could be that this is an outdated practice or that it has been modified for the purpose of tourism.

Q7. Answer: (c) the

The correct answer is 'the'.

Key Points

• The given passage is about 'Staged tourism'.
• In the given blank, 'the' will be used because we are talking about a particular animal.
• Use of article definite article 'The'
• It is used while we are talking about a specific noun that is expected to be known to the reader and if it is not, we use 'A' or 'An'.
• Example: The man in black is my boss.
• Therefore, 'the' will be used.

Correct Sentence: "In the case of tigers..."

Additional Information

• Staged Tourism: Staged tourism is essentially a cultural practice, event, or activity that is 'staged' for the purpose of the tourists.
• It could be that this is an outdated practice or that it has been modified for the purpose of tourism.

YourMockTest.com — Free Study Material

Q8. Answer: (b) that

The correct answer is 'that'.

Key Points

• The given passage is about 'Staged tourism'.

• In the given blank, we need the conjunction 'that'.

• We use 'that' as a conjunction to introduce a subordinate clause expressing a statement or hypothesis.

• She said that she was satisfied.

• Therefore, the correct answer is Option 2.

Correct Sentence: "it is quite possible that the animal..."

Additional Information

• Staged Tourism: Staged tourism is essentially a cultural practice, event, or activity that is 'staged' for the purpose of the tourists.

• It could be that this is an outdated practice or that it has been modified for the purpose of tourism.

Q9. Answer: (a) disturbance

The correct answer is 'disturbance'.

Key Points

• The given passage is about 'Staged tourism'.

• In the given blank, 'disturbance' is correct.

• Disturbance: something that interrupts someone or makes someone feel worried.

• Example: Residents are tired of the disturbance caused by the nightclub.

• Therefore, the correct answer is Option 1.

Correct Sentence: "the disturbance caused by a bunch of excited tourists..."

Additional Information

• Staged Tourism: Staged tourism is essentially a cultural practice, event, or activity that is 'staged' for the purpose of the tourists.

• It could be that this is an outdated practice or that it has been modified for the purpose of tourism.

Q10. Answer: (a) You had better not to try

The correct answer is 'You had better not to try'.

Key Points

• The erroneous part 'You had better not to try' should have 'You had better not try'.

• We use had better to refer to the present or the future, to talk about actions we think people should do or which are desirable in a specific situation.

• The verb form is always had, not have.

• It is followed by the 'infinitive' without 'to'.

• Therefore, the correct answer is Option 1.

Correct Sentence: You had better not try and feed the animals in the zoo, it is forbidden.

Additional Information

• The other usage of 'had better'.

• We normally shorten it to ’d better in informal situations.

• Had better is a strong expression. We use it if we think there will be negative results if someone does not do what is desired or suggested

• Example: She’d better get here soon or she’ll miss the opening ceremony.

Q11. Answer: (d) Lata told her team leader

The correct answer is 'Lata told her team leader'.

Key Points

• In the given question 'Lata told to her team leader' should be 'Lata told her team leader'.

• The given sentence is in the Indirect Speech.

• We know that while making the transformation, 'told' is used without 'to'.

• We also know that 'told' is used instead of 'said' when Reporting Verb has any object. In the given sentence 'Her team leader' is the object.

• Therefore, the correct answer is Option 4.

Correct Sentence: Lata told her team leader that she would be leaving office early as she had some urgent personal work.

YourMockTest.com – Free Study Material

Q12. Answer: (c) became energetic again

The correct answer is 'became energetic again'.

Key Points

• In the given sentence, 'a new lease of life' is an idiom.

• It's meaning is as follows:

• an occasion when you become more energetic and active than before.

• Example: His grandchildren have given him a new lease of life.

• Therefore, the correct answer is Option 3.

Q13. Answer: (b) Surender

The correct answer is 'Surender'.

Key Points

• In the given question, Option 2 is incorrectly spelt.

• The correct spelling of it is 'Surrender'.

• Surrender: to stop fighting and admit defeat.

• Example: They would rather die than surrender (to the invaders).

• Therefore, the correct spelling is 'Surrender'.

Correct Answer: 'Surender'.

Additional Information

• The meaning of the other words given in the option are as follows:

• Success: the achieving of the results wanted or hoped for.

• Example: The success of almost any project depends largely on its manager.

• Succulent: Succulent food is pleasantly juicy.

• Example: It is a big piece of succulent steak.

• Succumb: to lose the determination to oppose something; to accept defeat.

• Example: I'm afraid I succumbed to temptation and had a piece of cheesecake.

Q14. Answer: (b) Dormitory

The correct answer is 'Dormitory'.

Key Points

• The one-word substitution for the given group of words is 'Dormitory'.

• Dormitory: a large room containing many beds, for example in a boarding school.

• Example: We were determined to build not just dormitories but communities.

• Therefore, the correct answer is option 2.

Additional Information

• The meaning of the other options given in the question as follows:

• Lodge: a small house in the country, used especially by people on holiday or taking part in sports, or one on land belonging to a large house.

• Residence: officially staying or living somewhere.

• Hostel: a place where people, especially young people, can stay cheaply for short periods when they are travelling, with shared rooms and sometimes some private rooms.

Q15. Answer: (a) Psephologist

The correct answer is 'Psephologist'.

Key Points

• The correct one-word substitution for the given group of words is 'Psephologist'.

• Psephologist: someone who studies elections and voting statistics.

• Example: I think that the role of psephologists can be very important.

• Therefore, the correct answer is option 1.

Additional Information

• The meaning of the other words given in the options as follows:

• Reviewer: Someone who writes articles expressing their opinion of a book, play, film, etc.

• Sociologist: Someone who studies or is an expert in sociology.

YourMockTest.com — Free Study Material

• Researcher: Someone who studies a subject, especially in order to discover new information or reach a new understanding

Q16. Answer: (a) Lenient

The correct answer is 'Lenient'.

Key Points

• The exact antonym of the given word 'Harsh' is 'Lenient'.
• Harsh: unpleasant, unkind, cruel, or more severe than is necessary.
• Example: We thought the punishment was rather harsh for such a minor offence.
• Lenient: not as severe or strong in punishment or judgment as would be expected.
• Example: They believe that judges are too lenient with terrorist suspects.
• By reading the above definitions, we can infer that the correct answer is Option 1.

Additional Information

• The meaning of the other words given in the options as follows:
• Robust: (of a person or animal) strong and healthy, or (of an object or system) strong and unlikely to break or fail.
• Example: He looks robust and healthy enough.
• Fragile: easily damaged, broken, or harmed.
• Example: The assassination could do serious damage to the fragile peace agreement that was signed last month.
• Energetic: having or involving a lot of energy.
• Example: I tried aerobics but it was too energetic for me.

Q17. Answer: (d) experienced

The correct answer is 'experienced'.

Key Points

• In the given sentence, 'old hand' in an idiom. It's meaning is as follows:
• Old Hand: Someone who is very experienced and skilled in a particular area of activity.
• Example: We should be able to trust Silva to negotiate a good deal for us - he's an old hand at the game.
• By reading the above definition, we find that the correct answer is Option 4.

Q18. Answer: (a) Changeable

The correct answer is 'Changeable'.

Key Points

• In the given question 'Changeable' is correctly spelt.
• Changeable: often changing.
• Example: The weather in Britain is notoriously changeable.

Correct Answer: Changeable.

Additional Information

• The correct spelling and meanings of the other words given in the option as follows:
• Impending: used to refer to an event, usually something unpleasant or unwanted, that is going to happen soon.
• Unsustainable: something that is unsustainable cannot continue at the same rate.
• Insignificant: small or not noticeable, and therefore not considered important.

Q19. Answer: (b) DCAB

The correct answer is DCAB.

Key Points

• In the given question Part D will be the first statement because the first statement of a sentence jumbled question is usually a general statement, a noun, a universal fact, starting of an incident, or it starts with 'most' or 'once'.
• Here, Part D is an incident. And Part C is explicitly connected with Part D because Part D talks about 'Ghat' and Part C further connects it.
• Part C is connected with Part A.
• And the last Part is Part B.
• Therefore, Only Option 2 can be the answer.

Correct Answer: DCAB.

YourMockTest.com — Free Study Material

Q20. Answer: (d) Official order

The correct answer is 'Official Order'.

Key Points

• The exact synonym of the given word 'Mandate' is 'Official Order'.

• Mandate: the authority given to an elected group of people, such as a government, to perform an action or govern a country.

• Example: At the forthcoming elections, the government will be seeking a fresh mandate from the people.

• By reading the above definition, we can infer that the correct answer is 'Official Order'.

Q21. Answer: (b) Humility

The correct answer is 'Humility'.

Key Points

• The exact antonym of the given word 'Arrogance' is 'Humility'.

• Arrogance: the quality of being unpleasantly proud and behaving as if you are more important than, or know more than, other people.

• Example: He has self-confidence that is sometimes seen as arrogance.

• Humility: the quality of not being proud because you are aware of your bad qualities.

• Example: He doesn't have the humility to admit when he's wrong.

• By reading the above definitions, we can infer that the correct answer is Option 2.

Additional Information

• The meaning of the other words given in the options as follows:

• Honesty: the quality of being honest.

• Example: I appreciate your honesty.

• Familiarity: good knowledge of something, or the fact that you know it so well.

• Example: I love the familiarity of my old chair.

• Ignorance: lack of knowledge, understanding, or information about something.

• Example: Public ignorance about the disease is still a cause for concern.

Q22. Answer: (d) under

The correct answer is 'under'.

Key Points

• In the given blank, the use of 'under' is correct.

• Usage of 'Under':

• At a position directly lower than or covered.

• Example: Dog is under the table.

Additional Information

• The usage of other prepositions are as follows:

• Over:

• Vertical position.

• Example: Fan is moving over the table.

• Covering: Someone or something covering.

• Example: She put her hands over her ears.

• Into:

• Used to show that something is inside.

• Example: The cat is into the hutch.

Q23. Answer: (b) You are requested to make a cup of coffee for me

The correct answer is You are requested to make a cup of coffee for me

Key Points

• The given sentence is in Active Voice. This is an example of an Imperative Sentence.

• The notion of the sentence is 'Request'.

• The structure should be:

• Sub + are requested + to + V1.

Correct Answer: You are requested to make a cup of coffee for me

Additional Information

• Imperative Sentence: Someone gives a command, does a request, expresses a desire or wish, in sentences then such sentences are called imperatives sentences.

Q24. Answer: (b) comparison

The correct answer is 'comparison'.

Key Points

• In the given blank, 'comparison' should be used.

• 'In comparison to' is a phrase.

• 'In comparison to' - the act of comparing two or more people or things.

• Example: In comparison to the French, the British eat far less fish.

• Therefore, the correct answer is Option 2.

Correct Sentence: Students who are capable of understanding and managing their ‘emotional intelligence’ do better at school in comparison to their peers who lack the ability.

Q25. Answer: (c) Round

The correct answer is 'Round'.

Key Points

• The exact synonym of the given word 'Rotund' is 'Round'.

• Rotund: (especially of a person) round or rounded in shape.

• Example: A rotund, smiling, red-faced gentleman appeared.

• Round: in a circular direction or position; around.

• Example: He tried to go round the keeper.

• By reading the above definitions, we find that the correct answer is Option 3.

Additional Information

• The meaning of other words given in the options as follows:

• Range: the amount, number, or type of something between an upper and a lower limit.

• Example: The product is aimed at young people in the 18–25 age range.

• Rocky: made of rock and therefore usually rough and difficult to travel along.

• Example: She scrambled along the rocky path.

• Rolled: to (cause something to) move somewhere by turning over and over or from side to side.

• Example: The dog rolled over onto its back.

Q26. Answer: (b) Disband

The meaning of the given words in the option are as follow:

1) Create → to cause something new to happen or exist.

2) Disband → to stop existing as a group; to separate.

3) Assemble → something together in a group.

4) Construct → to build or make something

Meaning of option 1, 3 and 4 is positive or to make some thing but option 2 meaning is negative or to extract something.

Hence, 'Disband' is odd among all.

Q27. Answer: (d) Only conclusions I and III follow.

The least possible Venn diagram for the given statement is:

Explanation:

I. Some horses are fishes → True (Some fishes are horses)

II. Some kites are fishes →False (it is possible but not definite)

III. Some kites are horses → True (Some horse are kites)

Hence, only conclusion I and III follow.

Q28. Answer: (c) [figure]

The question figure is embedded in,

Hence, the figure in option 3 is the correct answer.

Q29. Answer: (c) 58171819

The pattern followed here is :

Logic: The numerical value of each letter get decreased by 1 to get the code.

S	T	Y	L	E
19 -1 = 18	20 - 1 = 19	25 - 1 = 24	12 - 1 = 11	5 - 1 = 4

Similarly

F	I	R	S	T
6 -1 = 5	9 - 1 = 8	18 - 1 = 17	19 - 1 = 18	20 - 1 = 19

So, the code for 'FIRST' is '58171819'.

Hence, '581718179' is the correct answer.

Q30. Answer: (c) 24 : 529

The pattern followed here is:

1) 30 : 961

30 + 1 = 31^2 → 961

2) 25 : 676

25 + 1 = 262 → 676

3) 24 : 529

24 - 1 = 232 → 529

4) 21 : 484

21 + 1 = 22^2 → 484

Hence,'24:529' is odd among all.

Q31. Answer: (d) 9

The pattern followed here is :

3 : 25

3 + 2 = 5^2 → 25

Similarly,

1 : ?

1 + 2 = 3^2→ 9

? = 9

Hence, '9' is the correct answer.

Q32. Answer: (c) Treatment

The pattern followed here is :

Function of school is to education.

Similarly,

Function of hospital is treatment.

Hence, 'Treatment' is the correct answer.

Q33. Answer: (b) Son

1) A is husband of M who is sister - in - law of N.

2) N is daughter of R and U.

3) M is daughter-in-law of U.

Here, gender of 'R' and 'U' is not definite. But we can conclude that A is son of U.

Hence, 'Son' is the correct answer.

Q34. Answer: (c) UQNL

According to the position of letters in English alphabet series.

Insert alphabet table:

The pattern followed here is :

YourMockTest.com — Free Study Material

1) LNQU
L + 2 → N ; N + 3 → Q ; Q + 4 → U
2) VXAE
V + 2 → X ; X + 3 → A ; A + 4 → E
3) UQNL
U - 4 → Q ; Q - 3 → N ; N - 2 → L
4) YADH
Y + 2 → A ; A + 3 → D ; D + 4 → H
Hence, 'UQNL' is odd among all.

Q35. Answer: (d) JOUL

The pattern followed here is :
Logic:
Consonant = -2, Vowel = Next vowel
Similarly,
Hence, 'JOUL' is the correct answer.

Q36. Answer: (c) [figure]

The mirror image would be as follows :
Hence, the figure in option 3 is the correct answer.

Q37. Answer: (c) (4, 8, 32)

The pattern followed here is:
Given,
(6, 18, 162)
$6 \times 3 \rightarrow 18$
$18 \times 3^2 \rightarrow 162$
Similarly, in option 3 :
(4, 8, 32)
$4 \times 2 \rightarrow 8$
$8 \times 2^2 \rightarrow 32$
Hence, (4, 8, 32) is the correct answer.

Q38. Answer: (b) [figure]

The question figure is embedded in,
Hence, the figure in option 3 th correct answer.

Q39. Answer: (c) [figure]

The paper when unfolded looks like,
Hence, the figure in option (3) is the correct answer.

Q40. Answer: (d) 25 years

Let the age of Arun is X.
12 year ago age of Arun is X - 12.
According to the question age of Arun will be twice of his age that was 12 year ago.
$X + 1 = 2 \times (X - 12)$
$X + 1 = 2X - 24$
$2X - X = 24 + 1$
$X = 25$
Hence, Arun is 25 year old.

Q41. Answer: (d) 34, 72, 53

The logic is:
46, 92, 69 → 92 – 46 = 46; 92 – 69 = 23

YourMockTest.com — Free Study Material

First difference is double of second difference.
Similarly,
1) 56, 78, 60 → 78 – 56 = 22; 78 – 60 = 18
First difference is not equal to double of second difference.
2) 48, 82, 63 → 82 – 48 = 34; 82 – 63 = 19
First difference is not equal to double of second difference.
3) 50, 88, 59 → 88 – 50 = 38; 88 – 59 = 29
First difference is not equal to double of second difference.
4) 34, 72, 53 → 72 – 34 = 38; 72 – 53 = 19
First difference is equal to double of second difference.
Hence, '34, 72, 53' is the correct answer

Q42. Answer: (b) 5

The total number of the triangle in the given figure is :
So the number of tringle in the given figure is 5
Hence, '5' is the correct answer.

Q43. Answer: (c) 7

The pattern followed here is :
Hence, '7' is the correct answer.

Q44. Answer: (d) ABY

The positions of letters according to the English alphabet series.
Here, the logic is :
The Middle alphabet is a vowel in all options except option 4.
BIZ → Here "I" is the vowel
MOW → Here "O" is the vowel
CUZ → Here "U" is the vowel
Except,
ABY → Here "A" is the vowel but Not in the middle place.
Hence, 'ABY' is odd among all.

Q45. Answer: (a) 318

Position of letters in English alphabet series according to English alphabet series.
Insert the alphabet table:
The pattern followed here is :
Numerical position of letter get added and multiply by total number of letter to get the code.
PATNA :
P (16) + A (1) + T (20) + N (14) + A (1)
16 + 1 + 20 + 14 + 1 = 52
52 × 5 = 260
GOA :
G (7) + O (15) + A (1)
7 + 15 + 1 = 23
23 × 3 = 69
Similarly,
RANCHI :
R (18) + A (1) + N (14) + C (3) + H (8) + I (9)
18 + 1 + 14 + 3 + 8 + 9 = 53
53 × 6 = 318
Hence, '318' is the correct answer.

YourMockTest.com — Free Study Material

Q46. Answer: (c) cbcaddabdc

1) abdddad/ acbcbdc/ accbdad (Does not follow any pattern)
2) abdddad/ acbccbc/ acbddad (Does not follow any pattern)
3) acbddac/ acbddac/ acbddac (Follow the pattern)
4) abdddad/ dcbcbdc/ acacdac (Does not follow any pattern)
Hence, 'cbcaddabdc' is the correct answer.

Q47. Answer: (b) FTBII

The pattern followed here is :
Similarly,
Hence, 'FTBII' is the correct answer.

Q48. Answer: (d) 11

Given,
Rhombus represents geography.
Circle represent mathematics.
The rectangle represents history.
From the given figure we observe that 4, and 7 lie in the region where student like geography and mathematics but not like history.
So the total number of student who like geography and mathematics but not history is:
4 + 7 = 11
Hence, '11' is the correct answer.

Q49. Answer: (c) +

Given,
In the first dice '&' and '$' phase are adjacent to '(' phase so these phases are not opposite to '(' phase.
In the second dice '*' and '#' phase are also adjacent to '(' phase so these phases are not opposite to '(' phase.
Now from the third dice only '+' phase has left which is opposite to '(' phase.
Hence, '+' is the correct answer.

Q50. Answer: (c) 9 and 7

Checking the given alternatives:
1) 18 and 9
Given equation :
3 × 9 + 5 - 18 ÷ 7 = 24
After interchanging according to potion 1.
3 × 18 + 5 - 9 ÷ 7 = 24
3 × 18 + 5 - 2.571= 24
54 + 5 - 2.571 = 24
56.429 ≠ 24
2) 5 and 7
Given equation :
3 × 9 + 5 - 18 ÷ 7 = 24
After interchanging according to potion 2.
3 × 9 + 7 - 18 ÷ 5 = 24
3 × 9 + 5 - 3.6 = 24
27 + 5 - 3.6 = 24
28.4 ≠ 24
3) 9 and 7
Given equation :
3 × 9 + 5 - 18 ÷ 7 = 24
After interchanging according to potion 2.
3 × 7 + 5 - 18 ÷ 9 = 24
3 × 7 + 5 - 2 = 24

YourMockTest.com — Free Study Material

21 + 5 - 2= 24

24 = 24

4) 3 and 5

Given equation :

3 × 9 + 5 - 18 ÷ 7 = 24

After interchanging according to potion 2.

5 × 9 + 3 - 18 ÷ 7 = 24

5 × 9 + 3 - 2.571 = 24

45 + 3 - 2.571 = 24

45.429 ≠ 24

Hence, '9 and 7' is the correct answer.

Q51. Answer: (c) 176

Given:

a + b = 27

$a^3 + b^3 = 5427$

Formula:

$a^3 + b^3 = (a + b) [(a + b)^2 - 3ab]$

Calculation:

a3 + b3 = (a + b) [(a + b)2 - 3ab

=> 5427 = 27 [27^2 - 3ab]

=> 5427/27 = (729 - 3ab)

=> 201 = 729 - 3ab

=> 3ab = 729 - 201

=> 3ab = 528

=> ab = 528/3

=> ab = 176

Q52. Answer: (a) 4550

Given:

Sales of city-1 in 2019 = 4.1

Sales of city-2 in 2019 = 4.3

Sales of city-3 in 2019 = 4.9

Sales of city-4 in 2019 = 4.9

Formula:

Average = Sum of all observations/total number of all observations

Calculation:

Sum of sales of all four cities in 2019 = 4.1 + 4.3 + 4.9 + 4.9 = 18.2 thousands

Therefore Required average = 18,200/4 = 4550

Q53. Answer: (d) Rs. 80

Shortcut Trick

Test the options to find the Marked Price (x) that satisfies the given conditions.

For x = 80: Discount % = (80 − 40)% = 40%.

Discount Value = 40% of 80 = (40/100) × 80 = Rs. 32.

Selling Price (SP) = Marked Price − Discount = 80 − 32 = Rs. 48.

Check SP condition: SP = x − 32 = 80 − 32 = Rs. 48. (Condition satisfied)

Therefore The correct answer is Rs. 80.

Alternate Method

Given:

Marked Price (MP) = Rs. x

Discount Percentage = (x − 40)%

Selling Price (SP) = Rs. (x − 32)

YourMockTest.com — Free Study Material

Formula Used:

SP = MP × (100 − Discount %)/100

Calculations:

=> (x − 32) = x × [100 − (x − 40)] / 100

=> 100 × (x − 32) = x × (100 − x + 40)

=> 100x − 3200 = x × (140 − x)

=> 100x − 3200 = 140x − x^2

=> x^2 − 40x − 3200 = 0

=> x^2 − 80x + 40x − 3200 = 0

=> x(x − 80) + 40(x − 80) = 0

=> (x − 80)(x + 40) = 0

=> x = 80 or x = −40

=> Since price cannot be negative, x = 80.

Therefore The correct answer is Rs. 80.

Additional Information

Relationship between SP and MP

The Selling Price is obtained by subtracting the Discount amount from the Marked Price: SP = MP − Discount.

Discount Percentage Formula

The Discount Percentage is calculated on the Marked Price: Discount % = (Discount / MP) × 100.

Quadratic Formula for Roots

For an equation $ax^2 + bx + c = 0$, the roots are given by $x = [-b \pm \sqrt{(b^2 - 4ac)}] / 2a$.

Q54. Answer: (a) PQ/√2

Given:

PQ and RS are two diameters that are perpendicular to each other.

Formula:

$(\text{Hypotenuse})^2 = (\text{Base})^2 + (\text{Perpendicular})^2$

Calculation:

Let O is the center of the circle and r is the radius of the circle.

Therefore PQ = RS = 2r

In right angle ΔROP

=> $(PR)^2 = (OR)^2 + (OP)^2$

=> $(PR)^2 = r^2 + r^2$

=> $(PR)^2 = 2r^2$

=> PR = √2 r

=> PR = √2 r × (√2/√2)

=> PR = 2r/√2

Therefore PR = PQ/√2

Q55. Answer: (b) City-3, 2016

Given:

Total sales in 2016 = 4.3 + 3.6 + 5.2 + 4.5 = 17.6

Total sales in 2017 = 3.5 + 3.9 + 4.3 + 4.6 = 16.3

Total sales in 2018 = 3.9 + 4.2 + 4.9 + 5.1 = 18.1

Total sales in 2019 = 4.1 + 4.3 + 4.9 + 4.9 = 18.2

Formula:

x as a percentage of y = (x/y) × 100

Calculation:

Percentage of sales of city-1 in 2019 = (4.1/18.2) × 100 = 22.52%

Percentage of sales of city-3 in 2016 = (5.2/17.6) × 100 = 29.54%

Percentage of sales of city-2 in 2018 = (4.2/18.1) × 100 = 23.20%

Percentage of sales of city-4 in 2017 = (4.6/16.3) × 100 = 28.22%

Now we can say city-3 has the highest sales in 2016.

Q56. Answer: (b) 25 : 33

Given:

Two numbers are respectively 25% and 65% more than the third number.

Formula:

x% more a number = Actual number × (100 + x)/100

Calculation:

Let third number be 100, then

First number = 100 × (125/100) = 125

Second number = 100 × (165/100) = 165

Therefore Ratio of the two numbers = 125 : 165 = 25 : 33

Q57. Answer: (b) 23/17

Given:

sin θ - cos θ = 7/17

Formula:

$(\sin\theta + \cos\theta)^2 + (\sin\theta - \cos\theta)^2 = 2$

Calculation:

(sin θ + cos θ)2 + (sin θ - cos θ)2 = 2

=> (sin θ + cos θ)2 + (7/17)2 = 2

=> (sin θ + cos θ)2 + (49/289) = 2

=> (sin θ + cos θ)2 = 2 - (49/289)

=> (sin θ + cos θ)2 = 529/289

=> (sin θ + cos θ) = √529/289

Therefore sin θ + cos θ = 23/17

Alternate Method

Concept used:

Asin θ + Bcos θ = C then the value of

=> Bsin θ - Acos θ = $\sqrt{(A^2 + B^2 - C^2)}$

Calculation:

=> sin θ - cos θ = 7/17 [here A = 1 & B = 1]

So, sin θ + cos θ = $\sqrt{\{1^2 + 1^2 - (7/17)^2\}}$

=> sin θ + cos θ = √2 - 49/289

=> sin θ + cos θ = √529/289 = 23/17

Q58. Answer: (b) 2π/3

Given:

cos x = -1/2

Formula:

cos 120° = -1/2

π = 180°

Calculation:

cos x = -1/2

=> cos x = cos 120°

=> x = 120°

120° × (π/180°)

=> 2π/3

Q59. Answer: (c) 1 : √2 : 1

Given:

Ratio of angles of a triangle = 1 : 2 : 1

Formula:

Sum of all three angles of a triangle = 180°
If N is divided into a : b, then
First part = N × a/(a + b)
Second part = N × b/(a + b)
Calculation:
Ratio of angles of a triangle = x : 2x : x
According to the question
x + 2x + x = 180°
=> 4x = 180°
=> x = 180°/4
=> x = 45°
=> 2x = 45° × 2
=> 2x = 90°
Now we can say triangle is a right angled triangle.
Triangle has two equal angles so, triangle has two equal side.
See figure, ΔABC is a right angled triangle
Let AB = BC = a cm, then
$(AC)^2 = (AB)^2 + (BC)^2$
=> $(AC)^2 = a^2 + a^2$
=> $(AC)^2 = 2a^2$
=> AC = √2 a
Therefore Ratio of AB : AC : BC = a : √2 a : a = 1 : √2 : 1

Q60. Answer: (d) 60%

Given:
Sachin scored = 120 runs
Number of boundaries = 6
Number of sixes = 4
Formula:
x as a percentage y = (x/y) × 100
Calculation:
Number of runs score made by running between the wickets = 120 - 4 × 6 - 6 × 4 = 120 - 48 = 72
Therefore Required percentage = (72/120) × 100 = 60%

Q61. Answer: (d) 2019

Given:
Total sales in 2016 = 4.3 + 3.6 + 5.2 + 4.5 = 17.6
Total sales in 2017 = 3.5 + 3.9 + 4.3 + 4.6 = 16.3
Total sales in 2018 = 3.9 + 4.2 + 4.9 + 5.1 = 18.1
Total sales in 2019 = 4.1 + 4.3 + 4.9 + 4.9 = 18.2
Calculation:
Now we can say, In 2019 the sales are highest.

Q62. Answer: (b) Rs. 2,816

Shortcut Trick
A loss of 12% means the Selling Price (SP) is 88% of the Cost Price (CP).
SP = CP × 0.88
SP = 3200 × 0.88
SP = 32 × 88 = Rs. 2,816.
Therefore The correct answer is Rs. 2,816.
Alternate Method
Given: Cost Price (CP) = Rs. 3,200 and Loss Percentage = 12%.
Formula: Selling Price (SP) = CP − Loss

=> Loss Amount = 12% of 3200
=> Loss Amount = (12/100) × 3200
=> Loss Amount = 12 × 32 = Rs. 384.
=> SP = CP − Loss Amount
=> SP = 3200 − 384 = Rs. 2,816.
=> Comparing with the given options, the result corresponds to Option (2).
Therefore The correct answer is Rs. 2,816.
Additional Information
Selling Price for Profit
When there is a profit, SP = CP × (100 + Profit %)/100.
Finding Cost Price
To find CP when SP and loss are known: CP = (SP × 100) / (100 − Loss %).
Profit/Loss Percentage
Profit or Loss percentage is always calculated on the Cost Price unless specified otherwise.

Q63. Answer: (d) 2.5

Given
$x + 1/x = 8$ ----(1)
Calculation
$5x/(x^2 + 1 - 6x)$
=> 5/(x + 1/x - 6) [Dividing upper and lower parts by x]
=> 5/(8 - 6) [Using (1)]
=> 5/2
=> 2.5
Therefore The required value is 2.5

Q64. Answer: (d) 36 √3

Given:
Side of equilateral triangle = 12 cm
Formula:
Area of the equilateral triangle = $(\sqrt{3}/4) \times a^2$
Calculation:
Area of the equilateral triangle = $(\sqrt{3}/4) \times 12^2$
=> $(\sqrt{3}/4) \times 144$
=> 36 √3

Q65. Answer: (c) 16 cm

Given:
The diameter of the circle = 20 cm
The length of one chord = 16 cm
Distance between the two chords = 12 cm
Formula:
$(\text{Hypotenuse})^2 = (\text{Base})^2 + (\text{Perpendicular})^2$
Calculation:
AB and PQ are two chords and O is the centre of the circle.
M is the mid-point of AB and N is the mid-point of PQ.
OB = OQ = 10 cm (radius of the circle)
AB = 16 cm and MN = 12 cm
Let OM = x, then
ON = (12 - x) cm
MB = 16/2 = 8 cm
In ΔMOB
$(OB)^2 = (OM)^2 + (MB)^2$

=> $10^2 = 8^2 + (OM)^2$
=> $OM^2 = 100 - 64$
=> $OM = \sqrt{36}$
=> OM = 6
ON = 12 - 6 = 6 cm
In ΔONQ
$(OQ)^2 = (ON)^2 + (NQ)^2$
=> $10^2 = 6^2 + (NQ)^2$
=> $(NQ)^2 = 100 - 36$
=> $NQ = \sqrt{64}$
=> NQ = 8
PQ = 2NQ
=> PQ = 2 × 8
=> PQ = 16 cm
Therefore Length of other chord is 16 cm

Q66. Answer: (d) Rs.9,208.88

Given:
Principal = Rs. 74,000
Rate = 18 2/3 % = 56/3
Time = 8 months
Formula:
SI = Prt/100
Calculation:
SI = (74000 × 56 × 8)/(3 × 12 × 100)
=> SI = Rs. 9208.88
Therefore The simple interest is Rs. 9208.88.

Q67. Answer: (a) 81

Given:
Average of 5 consecutive odd number = 75
Formula:
Average = Sum of all observations/Total number of all observations
Calculation:
Sum of 5 consecutive odd numbers = 75 × 5 = 375
Average of 6 numbers = 76
Sum of all 6 numbers = 76 × 6 = 456
Let the 6th number be x
According to the question
x + 375 = 456
=> x = 456 - 375
=> x = 81
Therefore The 6th number is 81.

Q68. Answer: (a) City - 3

Given:
Total sales of city-1 = 4.3 + 3.5 + 3.9 + 4.1 = 15.8 thousands
Total sales of city-2 = 3.6 + 3.9 + 4.2 + 4.3 = 16 thousands
Total sales of city-3 = 5.2 + 4.3 + 4.9 + 4.9 = 19.3 thousands
Total sales of city-4 = 4.5 + 4.6 + 5.1 + 4.9 = 19.1 thousands
Calculation:
City-3 has the highest sales among four cities.

YourMockTest.com — Free Study Material

Q69. Answer: (a) 5.4 km/h

Given:

The athlete crosses a distance of 900 m in = 10 min

Formula:

Speed = Distance/Time

1 m/sec = 5/18 km/hr

Calculation:

10 min = 600 seconds

Therefore Speed of athlete = (900/600) × (18/5) = 5.4 km/hr

Q70. Answer: (a) 2

Given:

sin x + cosec x = 2

Formula:

sin 90 = 1

cosec 90 = 1

Calculation:

sin x + cosec x = 2

Put x = 90°, then

=> sin 90° + cosec 90° = 2

=> 1 + 1 = 2

=> 2 = 2

L.H.S and R.H.S

Now,

=> sin17x + cosec18x

=> sin17 90° + cosec18 90°

=> 1 + 1

=> 2

Q71. Answer: (b) 2304

Given:

x = 255, y = 256 and z = 257

Formula:

$x3 + y3 + z3 - 3xyz = 1/2 (x + y + z) [(x - y)^2 + (y - z)^2 + (z - x)^2]$

Calculation:

According to the question

=> x3 + y3 + z3 - 3xyz = 1/2 × (255 + 256 + 257) × [(255 - 256)2 + (256 - 257)2 + (257 - 255)2]

$=> x3 + y3 + z3 - 3xyz = (1/2) × 768 × [(-1)^2 + (-1)^2 + (2)^2]$

=> x3 + y3 + z3 - 3xyz = (1/2) × 768 × [1 + 1 + 4]

=> x3 + y3 + z3 - 3xyz = (1/2) × 768 × 6

Therefore x3 + y3 + z3 - 3xyz = 768 × 3 = 2304

Q72. Answer: (a) 99954

Formula:

Divisibility law of 9 => A number is divisible by 9 if sum of its digit is divisible by 9.

Calculation:

81 = 9 × 9

If a number divisible by 81, then the number also divisible by 9 × 9.

From option 1

99954

=> 9 + 9 + 9 + 5 + 4

=> 36

Therefore 36 is divisible by 9, then we can say 99954 also divisible by 81.

YourMockTest.com — Free Study Material

Q73. Answer: (c) 21 cm

Shortcut Trick

Ratio of Perimeter to Length = 8 : 1 => 2(L + B) : L = 8 : 1.

On simplifying, 2L + 2B = 8L => 2B = 6L => Breadth (B) = 3 × Length (L).

Area = L × B = L × 3L = $3L^2$ = 1323 cm^2.

L^2 = 1323 ÷ 3 = 441 => L = √441 = 21 cm.

Therefore The correct answer is 21 cm.

Alternate Method

Given:

Ratio of Perimeter (P) to Length (L) = 8 : 1

Area of the rectangle = 1323 cm^2

Formula:

Perimeter of the rectangle = 2 (length + breadth)

Area of the rectangle = Length × Breadth

Calculation:

Ratio of perimeter and length of a rectangle = 8x : x

Let length = x, then

2 × (x + breadth) = 8x

=> x + breadth = 4x

=> breadth = 4x - x

=> breadth = 3x

Area of the rectangle = 1323

=> x × 3x = 1323

=> x2 = 1323/3

=> x2 = 441

=> x = √441

=> x = 21

Therefore Length of rectangle is 21 cm.

Additional Information

Properties of a Rectangle

A rectangle is a quadrilateral with four right angles. Opposite sides are equal and parallel. The diagonals are equal and bisect each other.

Diagonal Formula

The length of the diagonal (d) of a rectangle can be found using the Pythagorean theorem: d = √(L^2 + B^2).

Perimeter and Area Relation

For a fixed perimeter, a square (where L = B) has the maximum area among all rectangles.

Q74. Answer: (a) 4 days

Shortcut Trick

Efficiency ratio of Ramu to Somu = 4 : 1

Total Work = Somu's Efficiency × Somu's Time = 1 × 20 = 20 units

Combined Efficiency = 4 + 1 = 5 units

Time taken together = 20 ÷ 5 = 4 days

Therefore The correct answer is 4 days.

Alternate Method

Given: Ramu is 4 times faster than Somu. Somu takes 20 days.

Formula Used: Total Work = Efficiency × Time

Person	Days	Total Work	Efficiency
Somu	20	20	20 ÷ 20 = 1
Ramu	20 ÷ 4 = 5	20 ÷ 5 = 4	

=> Somu's efficiency = 1 unit/day

=> Ramu's efficiency = 4 × 1 = 4 units/day

=> Total Work = 1 × 20 = 20 units

=> Combined efficiency of Ramu and Somu = 4 + 1 = 5 units/day

=> Time taken by both = Total Work ÷ Combined Efficiency

=> Time taken = 20 ÷ 5 = 4 days

Therefore The correct answer is 4 days.

Additional Information

Efficiency and Time Relationship

Efficiency is inversely proportional to the time taken to complete a task. If the ratio of efficiencies of A and B is x : y, then the ratio of time taken is y : x.

Combined Work Formula

If A can do a work in x days and B can do it in y days, then they together can do it in (x × y) ÷ (x + y) days.

Work and Wages

Wages are generally distributed in the ratio of the efficiency or the actual work done by the workers.

Q75. Answer: (c) 441

Given:

cbrt15625 - √x = 4

Concept:

cbrt15625 = 25

Calculation

cbrt15625 - √x = 4

=> 25 - √x = 4

=> √x = 25 - 4

=> √x = 21

Squaring on both sides

Therefore x = 441

Q76. Answer: (b) Deepa Malik

The correct answer is Deepa Malik.

Key Points

• Rajiv Gandhi Khel Ratna Award is the highest sporting award given by the Ministry of Youth Affairs and Sports for the spectacular and most exceptional performance in the field of sports by a sportsperson over a period of four years.

• The Prize money for the Rajiv Gandhi Khel Ratna Award has been increased to 25 lakh rupees from the previous amount of 7.5 lakh rupees.

• Deepa Malik is an Indian athlete. She is the first Indian woman to win a medal in Paralympic Games and won a Silver medal at the 2016 Summer Paralympics in the shot put.

• Deepa is also the President's role model and NITI Aayog award for women transforming India.

• Paralympic Games which first took place in Rome, Italy, in 1960 featuring 400 athletes from 23 countries. Since then they have taken place every four years.

Q77. Answer: (a) Iran

The correct answer is Iran.

Key Points

• Iran's parliament passed a bill on Tuesday designating all US forces as "terrorists" after the killing of its top Iranian military commander Gen Qassem Soleimani.

• Qasem Soleimani, the head of the Revolutionary Guards' foreign operations arm, was killed in a US drone strike outside Baghdad airport.

• The assassination of Qassem Soleimani may spark a full-blown war between the US and Iran as self-preservation or preserving the lives of the top leaders is the primary objective of any regime.

• The spiralling of the US-Iran tensions also puts India in a difficult spot. India has perhaps the largest number of the world's Shia population and the possibility of some of them being radicalised by this event cannot be ruled out.

YourMockTest.com — Free Study Material

Q78. Answer: (b) Virat Kohli

The correct answer is Virat Kohli.

Key Points

• In the game of cricket, a Man of the Match or Player of the Match and Player of the Series award is given to the outstanding player in a particular match or series.

• The term was first used more often in cricket before being adopted by other sports. This can be a player from either team, normally the winning team.

• In cricket, the man of the match award became a normal feature in Test matches in the mid 1980s.

• In Test matches, Jacques Kallis holds the record for the maximum number of awards won, with 23 in 166 matches played, which is followed by Muttiah Muralitharan with 19 awards.

• In ODI Sachin Tendulkar holds the record for the maximum number of man of the match titles, with 62 awards in 463 matches played.

• The 'Man of the Series' award in the three-match ODI series played between India and Australia in January 2020 is Virat Kohli.

Q79. Answer: (a) MIDI devices

The correct answer is MIDI devices.

Additional Information

• Musical Instrument Digital Interface (MIDI) is a standard protocol for interconnecting computers with musical instruments, stage lighting, and other time-oriented media.

• MIDI is irrelevant to audio. But because MIDI is commonly used with music, this article is placed in the audio section.

• Android 10 makes it easier to port professional audio apps using MIDI to the Android platform.

Visual Display Unit(VDU)	**A VDU displays images generated by a computer or other electronic device.**
Bar code reader	A barcode reader is an optical scanner that can read printed barcodes
Optical Mark Reader	It is a method of entering data into a computer system.

Q80. Answer: (a) Zoroastrianism

The correct answer is Zoroastrianism.

Key Points

• The most essential texts of Zoroastrianism are those of the Avesta.

• The Avesta also contains the basic teachings of Zoraster known as the Gatha.

• A fire temple in Zoroastrianism is the place of worship for Zoroastrians, usually called Dar-e-Mehr (Persian) or Agiyari (Gujarati). In the Zoroastrian religion, fire, together with clean water, are agents of ritual purity.

• The foundation of the ancient religion of Zoroastrianism was laid by the teachings and wisdom of the spiritual leader and reformist Zoroaster

Religion	**Sacred books**
Buddhism	Vinay Pitaka
Jainism	12 Aangas
Judaism	Torah

Q81. Answer: (b) West Bengal

The correct answer is West Bengal.

Key Points

• Ganga-Sagar Mela is one of such festival of India celebrated on the occasion of Mankar Sankranti, during 13th – 15th January every year in West Bengal, which draws thousands of pilgrims from all over the world.

• The hosting state of West Bengal organises this fair with great pride and devout.

• Ganga Sagar Mela is organised every year during Makar Sankranti.

• The pilgrims take a holy dip in the water of the River Ganga in the morning while worshipping Lord Surya.

Q82. Answer: (d) B. Sai Praneeth

The correct answer is B. Sai Praneeth.

Key Points

• The BWF World Championships is a badminton tournament approved by Badminton World Federation (BWF).

• The tournament began in 1977 and was held once every three years until 1983.

• The tournament became band played once every two years until 2005. Starting 2006, the tournament was switched to an annual event on the BWF calendar with the goal to give more chances for the players to be crowned as official "World Champions".

• B. Sai Praneeth scripted history by becoming the second Indian male shuttler after Prakash Padukone to win the title of ‘BWF Badminton World Championships’ in August 2019.

Q83. Answer: (c) secondary

The correct answer is Secondary.

Key Points

• Secondary activities add value to natural resources by transforming raw materials into valuable products.

• Secondary activities, therefore, are concerned with manufacturing, processing and construction (infrastructure) industries.

• People engaged in secondary activities are called blue-collar workers.

• Construction sector, manufacturing and utilities, e.g. electricity.

Sectors	Functions
Primary	Primary activities are directly dependent on the environment as these refer to utilization of earth’s resources such as land, water, vegetation, building materials and minerals.
Tertiary	Tertiary activities include both production and exchange. The production involves the ‘provision’ of services that are ‘consumed.

Q84. Answer: (a) 42°C

The correct answer is 42°C.

Key Points

• A clinical thermometer is a thermometer used to measure human body temperature.

• Most made in the 20th century are mercury-in-glass thermometers.

• They are accurate and sensitive, having a narrow place where the mercury level rises very fast.

• The temperature of the human body normally does not go below 35^oC or above 42^oC. That is the reason why this thermometer has the range 35^oC to 42^oC.

Q85. Answer: (d) Rani Rampal

The correct answer is Rani Rampal.

Key Points

• Koneru Humpy, Prithu Gupta are the Indian Chess Grandmasters.

• Rani Rampal is considered one of the best women hockey players in the world.

• The captain of the Indian hockey women’s team was also a part of the squad that represented India in Rio 2016, the first time the eves had qualified for the Games in 36 years.

• Rampal played in all five of India's group games at the Olympics and her growing influence saw her named captain of the national team soon after their return from Rio 2016.

Q86. Answer: (b) Abdul Ghaffar Khan

The correct answer is Abdul Ghaffar Khan.

Key Points

• Abdul Ghaffar Khan (1890-1988), the foremost 20^(th)-century leader of the Pashtunswas a follower of Mahatma Gandhi and was called the “Frontier Gandhi”.

• Ghaffar Khan met Gandhi and entered politics in 1919 during the agitation over the Rowlatt Acts, which allowed the restriction of political dissidents without trial.

• Ghaffar Khan founded the Red Shirt movement (Khudai Khitmatgar) among the Pashtuns.

• In 1987 he was awarded the Bharat Ratna Prize, the highest Indian honour that can be given to civilians. He was the first non-Indian to receive this honour.

YourMockTest.com — Free Study Material

Q87. Answer: (c) Villi

The correct answer is Villi.

Key Points

About Villi:

• The small little projections on the inner surface of the small intestine which help in absorbing the digested food are called villi.

• These serve to increase the surface area of intestinal walls.

• These are found in the inner walls of the small intestine.

• Their purpose is to increase the surface area of the small intestinal wall for the absorption of the digested food.

The Villi are found inside the small intestine to absorption of nutrients from the digested food.

• They are finger-like projection inside the small intestine to increase their surface area to absorb essential nutrients from the food.

• They have thin walls and mostly covered with a thin channel of blood capillaries so, the nutrients can be absorbed by blood and easily transport

Additional Information

About Small Intestine:

• The small intestine is divided into three sections, a 'C' shaped duodenum, a long coiled middle portion jejunum and a highly coiled ileum.

• The small intestine is highly coiled and is about 5 meters long. It receives secretions from the liver and the pancreas. Moreover, its wall also secretes juices.

• The inner walls of the small intestine possess thousands of finger-like outgrowths. These are called villi (singular villus). The villi enhance the surface area for absorption of the digested food.

Q88. Answer: (b) Black

The correct answer is Black.

Key Points

• The railway lines and telephone lines shown in the topographic map are in black color.

• Black Color in the topographic map: All riverbanks, broken grounds, dry streams, surveyed trees, heights and their numbering, railway tracks, telephone and telegraph lines.

Additional Information

• Other Colors used in Topographic map:

• Yellow: All cultivated lands.

• Green: All forested areas.

• Brown: Sand features.

• Blue: Water bodies.

• Red: Grid lines and their numberings.

Q89. Answer: (b) Health, education and standard of living

The correct answer is Health, education and standard of living.

Key Points

• The Human Development Index (HDI) is the geometric mean of normalized indices for each of the three dimensions:

• The health dimension is estimated by life expectancy at birth.

• The education dimension is estimated by mean of years of schooling for adults aged 25 years and more and expected years of schooling for children of school entering age.

• The standard of living dimension is measured by gross national income per capita.

• The HDI uses the logarithm of income, to reflect the diminishing importance of income with increasing GNI.

Additional Information

About UNDP:

• The United Nations Development Programme (UNDP) gives expert advice, training and grants support to developing countries, with an increasing emphasis on assistance to the least developed countries.

• It supports technical and investment cooperation among nations.

• UNDP was founded in 1965 by the General Assembly of the United Nations.

• UNDP operates in 177 countries, serving in nations on their own solutions to global and national development challenges.

YourMockTest.com — Free Study Material

Q90. Answer: (a) Jawaharlal Nehru

The correct answer is Jawaharlal Nehru.

Key Points

• The urban middle class organized themselves into Praja-Parishads or Praja Mandals with nationalistic views emerging in the princely states. The earliest of them was in Baroda in 1917, followed by Kathiawar, Mysore, Hyderabad, etc.

• The All-India States People's Conference was organized in 1927 with an aim to influence state governments to initiate significant reforms in administration and demanding democratic rights.

• The princely states formed two-fifths of British India.

• Jawaharlal Nehru became the All India States People's Conference President in 1939 and remained so until 1946.

Q91. Answer: (a) 84^(th)

The correct answer is 84^(th).

Key Points

• Henley & Partners, the residence and citizenship planning firm has published the Henley Passport Index, according to the number of destinations the corresponding passport holders can access without a prior visa.

• The ranking is based on data from the International Air Transport Association (IATA), a trade association of some 290 airlines, including all major carriers.

• The index incorporates 199 different passports and 227 various travel destinations.

• The Henley Passport Index was begun in 2006 with the aim of providing a global picture of freedom of travelling.

• The Indian passport is ranked 84^(th) in the world.

Important Points

• Japan has the world's most powerful passport whereas Afghanistan (107^(th) rank) has the weakest.

Q92. Answer: (b) Trackball

The correct answer is Trackball.

Key Points

• A trackball is an input device used to enter motion data into computers or other electronic devices.

• Trackballs designed for computers usually serve as mouse replacements and are essentially used to move the cursor on the screen.

• An input device forwards information to a computer system for processing. Input devices only allow for input of data to a computer.

• Output device reproduces or displays the results of the processing. Output devices only receive the output of data from another device.

Input Devices	**Keyboard, Touchpad, Mouse, Digital Camera etc.**
Output Devices	Monitor, Printer, Plotter, Speaker, Headphones, Projectors etc.

Q93. Answer: (c) Ladakh Range

The correct answer is Ladakh Range.

Key Points

• Ladakh ranges are to the south-east of the Karakoram ranges.

• They divide the rivers Indus and Shyok (a tributary of Indus).

• Khardung La Pass: These ranges stretch into China where they are known as the Kailash ranges. They include Mt. Kailash and Mansarovar Lake.

• Pangong Tso (largest saline lake between India and China) and Spanggur Tso are the two saltwater lakes located in these ranges.

• To the south of the Ladakh, ranges are the Zanskar ranges, which are cut over by the Zanskar river. These ranges extend into Uttarakhand. They include some prominent peaks like Mt. Kamet, Nanda Devi (a biosphere reserve) Kedarnath etc. Liphu Lekh Pass that leads to Mansarovar and Mt. Kailash forms a part of these ranges. Spiti Valley, Lahaul Valley, and Kinnaur Valley are also a part of these ranges.

Q94. Answer: (c) Bhutan, Sikkim and China

The correct answer is Bhutan, Sikkim and China.

Key Points

• Doklam Plateau is a 269-sq km plateau in Bhutan, a valley at the trijunction between India, Bhutan and China.

YourMockTest.com — Free Study Material

• It is surrounded by the Chumbi Valley of Tibet, Bhutan's Ha Valley and Sikkim.

• Bhutan has a written agreement with China that pending the final analysis of the boundary issue, peace and tranquillity should be maintained.

• Doklam is strategically located close to the Siliguri Corridor, which connects mainland India with its north-eastern region. The corridor, also called Chicken's Neck, is a vulnerable point for India.

• About 1,800 Chinese troops are stationed, even in deep winter, in the Doklam area, according to other reports. India has also strengthened its presence in the region.

Q95. Answer: (c) Arvind Saxena

The correct answer is Arvind Saxena.

Key Points

• About UPSC:

• The Union Public Service Commission (UPSC) is the central recruiting agency in India. It is an independent constitutional body.

• Part XIV of the Constitution contains the elaborate provisions regarding the composition, appointment and removal of members along with the powers and functions of the UPSC under Article 308 to 323 of this part.

• It was established on 1 October 1926 as Public Service Commission.

• The commission is headquartered at Dholpur House, in New Delhi and functions through its own secretariat.

• About Arvind Saxena:

• Arvind Saxena, formerly an Indian Postal Service officer, was a member of the UPSC, India's central recruiting agency.

• Arvind Saxena and his predecessor Mittal, who was from the Indian Railway Traffic Service, are among the handful of non-IAS, IPS or IFS officers to have occupied the position.

Q96. Answer: (a) Vasdev Mohi

The correct answer is Vasdev Mohi.

Key Points

• Renowned Sindhi writer Vasdev Mohi will be conferred with 29th Saraswati Samman for his short stories collection-Chequebook.

• Mr Mohi has authored 25 books of poetry, stories and translations. He has also received the Sahitya Akademi Award.

• About Award:

• Criteria: The award is annually given to an exceptional work of an Indian citizen published during the last 10 years in any of the languages mentioned in Schedule 8 of the constitution.

• Instituted by: KK Birla Foundation.

• Established in: 1991.

• Cash Prize: 15 lakh rupees.

Q97. Answer: (c) six months

The correct answer is Six months.

Key Points

• The election to constitute a Panchayat should be completed before the expiration of a period of six months from the date of its dissolution.

• Article 243E:

• Every Panchayat, unless sooner dissolved under any law for the time being in force, shall continue for five years from the date appointed for its first meeting and no longer.

• No amendment of any law for the time being in force shall have the effect of causing dissolution of a Panchayat at any level, which is functioning immediately before such amendment, till the expiration of its duration specified in clause (1).

• An election to constitute a Panchayat shall be completed-

• before the expiry of its duration specified in clause (1).

• before the expiration of a period of six months from the date of its dissolution.

Q98. Answer: (c) Nitrous Oxide

The correct answer is Nitrous Oxide.

Key Points

• Nitrous oxide is a colorless and odorless substance that's also known as "laughing gas."

• It is an oxide of nitrogen with the formula N2O.

• When inhaled, the gas slows down the body's reaction time. This results in a calm, euphoric feeling. Nitrous oxide can be used to

treat pain.

• It also functions as a mild sedative. Because of this, it's sometimes used before dental procedures to promote relaxation and reduce anxiety.

• Side Effects:

• Some people also experience hallucinations or sound distortion after inhaling nitrous oxide.

• Toxic exposure may lead to a Vitamin B-12 deficiency or anemia.

Q99. Answer: (d) Bihar

The correct answer is Bihar.

Key Points

• Bihar is the most thickly populated state (1106 persons/sq km.) accompanied by West Bengal 1028 and Kerala 860.

• Population density of a region is a measurement of population per unit area.

• There are various factors that affect the population density for example- climate, location, etc.

• Delhi is the densest union territory in the country, followed by Chandigarh and Puducherry.

• The population density of India in 2011 was 382 per sq.km.

Q100. Answer: (b) Article 32

The correct answer is Article 32.

Key Points

• Under Article 32, the Constitution of India provides constitutional remedies for the enforcement of fundamental rights.

• Remedies for enforcement of rights conferred by this Part:

• The right to move the Supreme Court by relevant proceedings for the enforcement of the rights conferred by this Part is guaranteed.

• The Supreme Court shall have the power to issue directions or orders or writs, including writs in the nature of habeas corpus, mandamus, prohibition, quo warranto and certiorari, whichever may be appropriate, for the enforcement of any of the rights conferred by this Part.

• The right guaranteed by this article shall not be suspended except as otherwise provided for by this Constitution.

Additional Information

Article 40	**The organization of Village Panchayats**
Article 38	State to secure a social order for the promotion of the welfare of people.
Article 36	Definition of State

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

YourMockTest.com – Free Study Material