SSC MTS (2022) Official Paper (Held On: 18 May, 2023 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

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SESSION 1

Q1. In a box containing 45 bulbs. 12 are found to be defective. What is the ratio of the good bulbs to the total bulbs in the box?

(a) 8 : 13
(b) 5 : 8
(c) 7 : 11
(d) 11 : 15

Q2. What will be the simple interest on a principal of Rs. 980 for 4 years at the rate of 12 percent per annum?

(a) Rs. 430.4
(b) Rs. 470.4
(c) Rs. 460.4
(d) Rs. 380.4

Q3. 60 percent of 40 percent of a number is equal to 150. What is the 20 percent of that number?

(a) 175
(b) 145
(c) 200
(d) 125

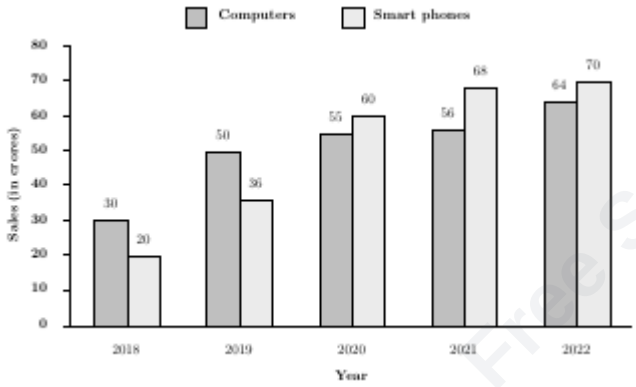
Q4. A can do a work in 6 days, which B alone can do in 8 days. In how many days they together can do it

(a) 24/7 days
(b) 25/7 days
(c) 27/4 days
(d) 22/3 days

Q5. In a college, the ratio of the number of boys to girls is 3 : 8. If there are 180 boys, then how many girls are in the college?

(a) 380
(b) 480
(c) 660
(d) 420

Q6. The following graph shows the sales(in crores) of computers and smart phones in a country during the year 2018 to 2022. What is the difference between the average sale of computer and average sale of smart phones during these years?



(a) 1 crores
(b) 0.5 crores
(c) 0.2 crores
(d) 0.8 crores

Q7. In a 255 L mixture of milk & water, the ratio of milk and water is 4 : 1. Find the quantity of water required to make the ratio of milk & water 4 : 3.

(a) 94 litres
(b) 51 litres
(c) 102 litres
(d) 55 litres

Q8. The circumference of base of a cylinder is 28 π cm. If the height of cylinder is 17 cm. then what will be the curved surface area of cylinder?

(a) 372 π cm^2
(b) 436 π cm2
(c) 524 π cm2
(d) 476 π cm2

Q9. The table below shows the number of the AC that was sold by the showroom in the year 2013 to 2016. How much percent of AC sold by Showroom B in 2014 is less than that of Showroom D in 2016?

Showroom	Years			
2013	2014	2015	2016	
A	100	54	98	72
B	180	92	105	88
C	120	122	100	140
D	60	152	80	100

(a) 10%
(b) 14%
(c) 8%
(d) 12%

Q10. The value of 3 × [{(11 - 3) ÷ (1/2) of 8} + 15 ÷ 3] is:

(a) 15
(b) 19
(c) 21
(d) 30

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Q11. Rs. 2400 is lent at the rate of 10 percent per annum. Which of the following statement(s) is/are correct?

I. The compound interest (compounding annually) for 3 years is Rs. 794.4.

II. The difference between simple interest and compound interest (compounding annually) after 3 years is Rs. 75.8

(a) None of the statements are correct
(b) Only statement I is correct
(c) Only statement II is correct
(d) Both statement I and II are correct

Q12. A vendor expects a gain of 15% on his cost price. If In a month, his sale was of Rs. 138000, then what was his profit?

(a) Rs. 18000
(b) Rs. 15500
(c) Rs. 12000
(d) Rs. 13800

Q13. P = (8 + 8) × (8 ÷ 8) × (8 × 8)

Find out the value of P.

(a) 512
(b) 1120
(c) 1024
(d) 1440

Q14. 63 men can complete a work in 30 days. In how many days 21 men will do the same work?

(a) 70 days
(b) 85 days
(c) 90 days
(d) 88 days

Q15. Find the area of the trapezium whose parallel sides measure 14 cm, and 18 cm and the distance between parallel sides is 15 cm.

(a) 310 cm^2
(b) 300 cm^2
(c) 220 cm^2
(d) 240 cm^2

Q16. A distributor of an AC company allowed a 5% discount when a shopkeeper book an order of 40 ACs with marked price Rs. 24500 per AC. The total value in the invoice is:

(a) Rs. 931000
(b) Rs. 980000
(c) Rs. 964000
(d) Rs. 890000

Q17. A train travelling at 180 km/hr overtakes a car travelling at 108 km/hr in 5 seconds. What is the length of the train?

(a) 200 metres
(b) 100 metres
(c) 120 metres
(d) 150 metres

Q18. Which is the least number divisible by 6, 18, 20 and 32?

(a) 108
(b) 640
(c) 1440
(d) 360

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Q19. Suman incurred a loss of 35% on selling an article for Rs. 41275, What was the cost price of the article?

(a) Rs. 48675
(b) Rs. 63500
(c) Rs. 54020
(d) Rs. 45910

Q20. Find the curved surface area of cone of radius 12 cm and slant height 14 cm. (Use π = 3.14)

(a) 4325.5 cm²
(b) 527.52 cm²
(c) 5436.6 cm²
(d) 501.54 cm²

Q21. After interchanging which two signs, the value of the given equation will be '1'?

3 ÷ 1 + 6 × 2 - 5

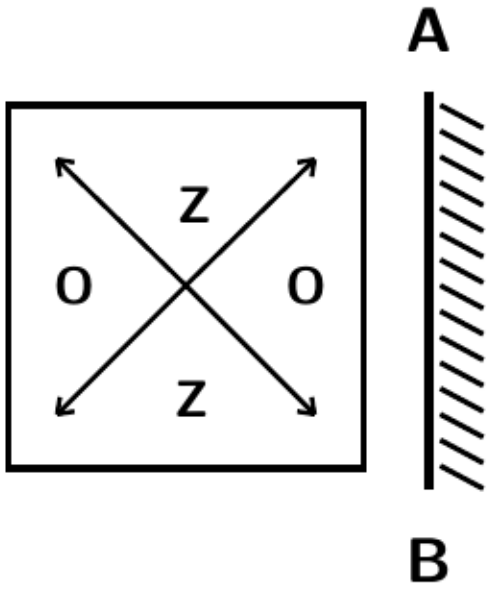
(a) • and -
(b) ÷ and +
(c) × and -
(d) ÷ and ×

Q22. In the following question, select the missing number of the given series.

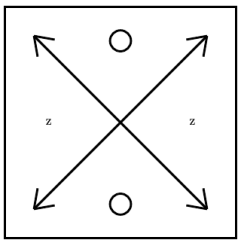
144, 140, 132, 116, 84, ?

(a) 30
(b) 20
(c) 29
(d) 25

Q23. Select the correct mirror image of the given figure when the mirror is placed at AB as shown below.

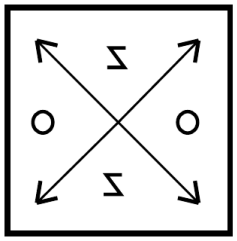


(a)

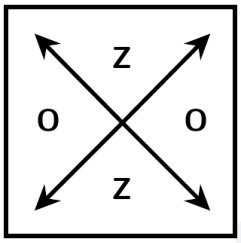


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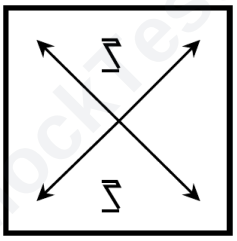
(b)



(c)



(d)



Q24. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series

MCHQ, LYGM, KUFI, ?, IMDA

(a) JQFE
(b) JRFF
(c) JQEE
(d) JREF

Q25. In the following question below are given some statements followed by some conclusions based on those statements Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some L are G.

II. All M are L.

Conclusion:

I. All L are M

II. Some G are not M.

III. No M is G.

(a) Both conclusions I and II follows
(b) Neither conclusion follows
(c) Both conclusions I and III follows
(d) Both conclusions II and III follows

Q26. In a certain code language, ‘ROYAL' is coded as 'HWUKN'. What is the code for 'SEEMS' in that code language?

(a) OJAAO
(b) OIBBO
(c) OIAAO
(d) OIAAP

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Q27. In the following question below are given some statements followed by some conclusions based on those statements Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the Conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All P are M.

II. No P is R.

Conclusion:

I. Some R are not P.

II. Some M are not R.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Neither conclusion follows
(d) Both conclusions I and II follows

Q28. In a certain code language, 'HORN' is written as '8695' and 'LURP' is written as '3397', How will 'BLUE' be written in that language?

(a) 2365
(b) 2553
(c) 5223
(d) 2335

Q29. Select the option that is related to the third number in the same way as the second number is related to the first number.

12 : 132 :: 16 : ?

(a) 167
(b) 215
(c) 176
(d) 135

Q30. In a certain code language, 'FANS' is coded as 'JERW'. What is the code for 'HERO' in that code language

(a) LIWS
(b) LIVT
(c) LJVS
(d) LIVS

Q31. Which of the following numbers will replace the question mark (?) in the given series?

85, 105, 126, 148, 171, 195, ?

(a) 530
(b) 220
(c) 420
(d) 280

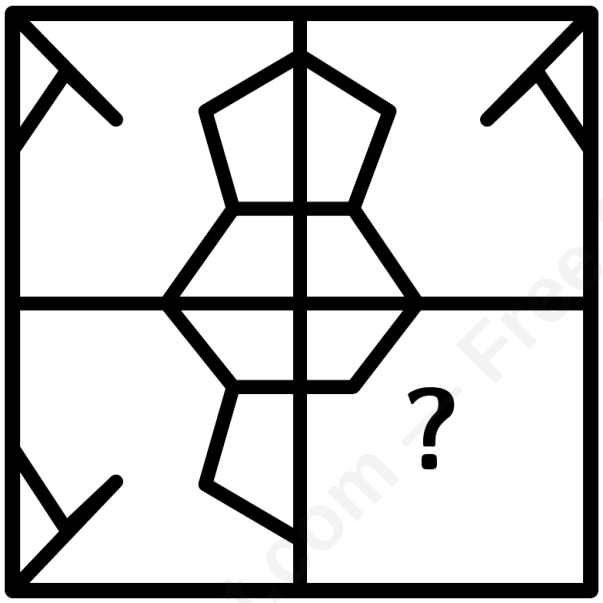
Q32. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

TBA : SZX :: KRB : JPY :: GOT : ?

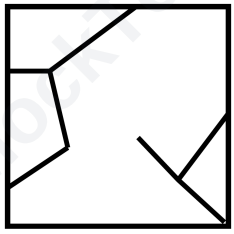
(a) FNQ
(b) FMR
(c) FMQ
(d) FNR

Q33. Which answer figure will complete the pattern in the question figure?

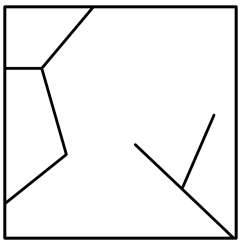
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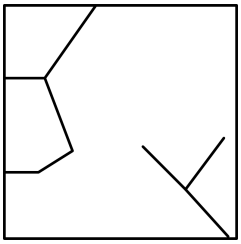
(a)



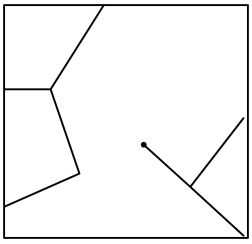
(b)



(c)



(d)

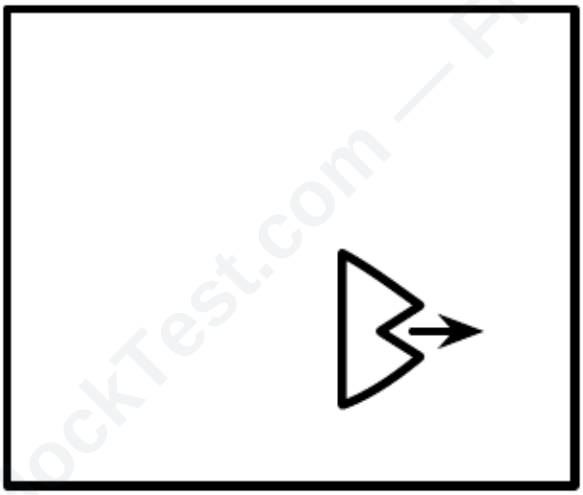


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Q34. Six girls Priva, Muskan, Rani, Sirjana, Tina and Laxmi are sitting in a row facing towards south (not necessarily in the same order). Muskan is second to the right of Tina. Sirjana is second to the left of Tina. Laxmi is second to the left of Rani. Rani is to the immediate right of Muskan, Who is sitting to the immediate right of Priya?

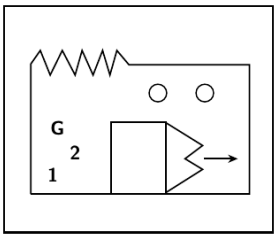
(a) Muskan
(b) Sirjana
(c) Tina
(d) Laxmi

Q35. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

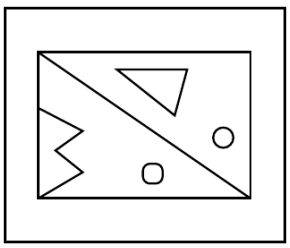


X

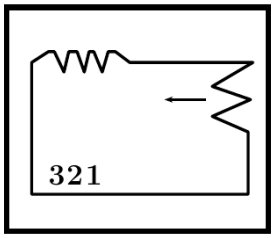
(a)



(b)

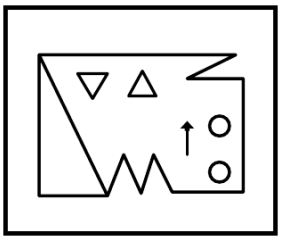


(c)



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(d)



Q36. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term,

KIT : PNY :: PFC : UKH :: ANG : ?

(a) FSK
(b) ESK
(c) ESL
(d) FSL

Q37. If A denotes 'addition'. B denotes 'multiplication'. C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

7 C 8 A (6 D 3) = ?

(a) 5
(b) 3
(c) 7
(d) 1

Q38. Price of five cars C1, C2, C3, C4 and C5 are compared. Price of C1 is the least. No two cars have the same price, Price of C3 is less than C5, C2 and C4. Price of neither C5 nor C2 is the highest. Price of C5 is less than C2. Price of how many cars is more than the price of C4?

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

Q39. In a certain code language, 'MOTION' is coded as 'NNUHPM'. What is the code for 'NORMAL' in that code language?

(a) ONSLBL
(b) ONSLBK
(c) ONSLCK
(d) ONTLCK

Q40. Select the option that is related to the third word in the same way as the second word is related to the first word.

Jurisdiction : Authority :: Quandary : ?

(a) Decisive
(b) Certain
(c) Dilemma
(d) Surety

SESSION 2

Q41. Who promoted the worship of God in Punjab, India as Nirankar (Formless)?

(a) Baba Dayal Das
(b) Guru Gobind Singh
(c) Baba Ram Singh
(d) Maharaja Ranjit Singh

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Q42. Who among the following is a Sarangi player?

(a) Pandit Krishna Maharaj
(b) Ustad Shakoor Khan
(c) Sandeep Das
(d) Anuradha Paudwal

Q43. What does the Surrogacy (Regulation) Bill, 2016 prohibit?

(a) Women aged between 23 to 50 as surrogates
(b) Married women as surrogates
(c) Divorced women as surrogates
(d) Commercial Surrogacy

Q44. A report named “Payments Vision 2025” is released by which institution?

(a) Ministry of Finance
(b) NITT Aayog
(c) Reserve Bank of India
(d) Ministry of Corporate Affairs

Q45. During October — November, the apparent movement of sun is towards the _____.

(a) North
(b) North-East
(c) North-West
(d) South

Q46. The Third Battle of Panipat was fought between _____.

(a) Afghans and Mughals
(b) Afghans and Turks
(c) Marathas and Afghans
(d) Marathas and Mughals

Q47. ‘The Race of My Life: An Autobiography’ is written by which famous athlete?

(a) Rajwinder Kaur
(b) Milkha Singh
(c) Nitender Rawat
(d) PV Sindhu

Q48. The star athlete Jwala Gutta is associated with which sport?

(a) Table Tennis
(b) Squash
(c) Lawn Tennis
(d) Badminton

Q49. The bodies of living organism are made of tiny units called _____.

(a) genes
(b) centrioles
(c) buds
(d) cells

Q50. volleyball is played by two teams of _____ players each.

(a) eight
(b) five
(c) seven
(d) six

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Q51. What is the characteristic of isotopes?

(a) Same neutron and same proton
(b) Same atomic number and different mass number
(c) Same atomic number and same mass number
(d) Same neutron and different proton

Q52. The long term objective of National Population Policy (NFP) 2000 is to achieve a stable population by _____ with sustainable economic growth, social development and environmental protection.

(a) 2045
(b) 2035
(c) 2025
(d) 2055

Q53. Haugz-i-Sultani was constructed by _____

(a) Iltutmish
(b) Sikandar Lodi
(c) Babur
(d) Akbar

Q54. Which type of farming is practiced to meet the needs of the farmer's family?

(a) Pisciculture farming
(b) Subsistence farming
(c) Commercial farming
(d) Sericulture farming

Q55. Which of the following articles of the Indian constitution is related to “Organisation of village panchavats"?

(a) Article 43
(b) Article 40
(c) Article 42
(d) Article 41

Q56. Who, with the help of Kautilya, overthrew Dhanananda the last Nanda ruler?

(a) Kalashoka
(b) Chandragupta Maurya
(c) Ashoka
(d) Akbar

Q57. Who built the Red Fort in Delhi?

(a) Jahangir
(b) Babur
(c) Shah Jahan
(d) Humayun

Q58. Angela Merkel who recently won UN refugee prize is _____.

(a) UN High Commissioner for Refugees
(b) Secretary-General of United Nations
(c) President of Ukraine
(d) Former German Chancellor

Q59. Which of the following is used as an antacid to neutralize stomach acidity?

(a) Iodoform
(b) Morphine
(c) Chlorine
(d) Magnesium Hydroxide

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Q60. As per census 2011, which state of India has the least population?

(a) Sikkim
(b) Kerala
(c) Chhattisgarh
(d) Bihar

Q61. Dhangar dance comes from the Dhangar community of _____

(a) Andhra Pradesh
(b) Gujarat
(c) Tamil Nadu
(d) Goa

Q62. Change in the inventory of a firm is treated as _____

(a) Disinvestment
(b) Investment
(c) Liability
(d) Asset

Q63. Which of the following ocean is the smallest in the world?

(a) Pacific Ocean
(b) Arctic Ocean
(c) Indian Ocean
(d) Atlantic Ocean

Q64. Bastar Dussehra is a famous festival of _____ state of India.

(a) Chhattisgarh
(b) Manipur
(c) Bihar
(d) Arunachal Pradesh

Q65. Who among the following was awarded the prestigious title of 'Nrityacharya' conferred by the Maharaja of Manipur?

(a) Guru Bipin Singh
(b) Rukmini Devi
(c) Uday Shankar
(d) Guru Kelucharan Mohapatra

Q66. Improve the underlined part of the sentence. Choose ‘No improvement' as an answer if the sentence is grammatically correct.

It's going to rain today whether you like it or not.

(a) you likened it
(b) you liked it
(c) you likes it
(d) No improvement

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

_____ food consumption can affect our bodies’ immune systems.

(a) Unhygienic
(b) Nutritious
(c) Sanitary
(d) Unwise

Q68. Select the most appropriate antonym of the given word.

Maladroit

(a) Skilful
(b) Arrogant

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(c) Inept
(d) Awkward

Q69. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Many restaurants serving compliment bread with the meal.

(a) serve compliment
(b) No improvement
(c) serves complimentary
(d) serve complimentary

Q70. Select the most appropriate word for the given group of words.

To forbid something, especially by law

(a) Propound
(b) Proscribe
(c) Quench
(d) Quarantine

Q71. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Bark up the wrong tree

(a) To invest one's money in wrong business
(b) To scold someone for the mistake they have not done
(c) To reach at a wrong address
(d) To waste one's energy or effort by pursuing the wrong thing

Q72. Select the appropriate antonym for the underlined word.

We frequently congratulate people on their accomplishment in becoming famous, but we seldom ever talk about the price of fame.

(a) Execution
(b) Feat
(c) Fiasco
(d) Triumph

Q73. Choose the sentence with no spelling error.

(a) Sneha caught itand frouned.
(b) Sneha caught it and frownned.
(c) Sneha cuaght it and frowned.
(d) Sneha caught it and frowned.

Q74. Select the appropriate synonym for the underlined word.

The physics of laser-driven fusion is very complex.

(a) Convoluted
(b) Streamline
(c) Simplified
(d) Modest

Q75. Choose the word that can substitute the given group of words.

Impossible to change or reverse

(a) Irrevocable
(b) Order
(c) Coerce
(d) Intimidate

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Q76. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct,

You can't bought anything with one cent anymore.

(a) should not bought anything
(b) No improvement
(c) could not buying anything
(d) can’t buy anything

Q77. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I don’t remember exactly when the clouds rolled in and ____ you from me.

(a) steal
(b) stole
(c) stealing
(d) stolen

Q78. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error’.

It’s your carelessness that makes me went crazy all the time.

(a) crazy all the time.
(b) that makes me went
(c) No error
(d) It’s your carelessness

Q79. Select the most appropriate meaning of the given idiom.

Queer somebody's pitch

(a) A secret plan
(b) Upset someone’s plans
(c) To make an exaggerated statement
(d) To come out successfully

Q80. Select the most appropriate option to fill in the blank.

“The Boarded Window” is a horror story about a man who has to _____ with his wife’s death.

(a) deal
(b) dwell
(c) drill
(d) deed

Q81. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The government have a rudimentary plan for an ecosystem for defence startups to fast-forward innovation.

(a) to fast-forward innovation.
(b) an ecosystem for defence startups
(c) The government have a rudimentary plan for
(d) No error

Q82. Choose the incorrectly spelt word.

(a) Shocker
(b) Tram
(c) Booking
(d) Rubing

Q83. Choose the word that means the same as the given word.

Upsetting

(a) Dreamy
(b) Aware
(c) Amusing

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(d) Perturbing

Q84. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

When you're chatting on the phone, do it in the living room instead off the kitchen.

(a) No error
(b) When you're chatting on
(c) the phone, do it in the living room
(d) instead off the kitchen.

Q85. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Sam was 24 years old when he _____ to California.

(a) moving
(b) moves
(c) moved
(d) movement

Directions

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 number.

One of the myths (1) _____ with the Great Wall of China is that it is the only man-made (2) __ that can be seen from the moon with the naked eye. The (3) _____ originated in Richard Halliburton's 1938 book Second Book of Marvels. However. this myth is simply not true. Richard Halliburton's claim was contradicted (4) ____ astronauts Neil Armstrongby and Yang Liwei. A more (5) ____ assumption would be to say that the Great Wall can be visible from a low orbit of the earth which is not unique in this regard as many other artificial constructions can be seen from that height.

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

(a) disassociated
(b) organized
(c) depreciated
(d) associated

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

(a) structure
(b) contracture
(c) conjecture
(d) sculpture

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

(a) lagend
(b) verity
(c) legend
(d) candour

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

(a) from
(b) by
(c) under
(d) in

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

(a) apprehensible
(b) accessible
(c) permissible
(d) plausible

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ANSWER KEY

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

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