SSC MTS 2024 Official Paper (Held On: 22 Oct, 2024 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 90 questions • 90 minutes • Answer key

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

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SESSION 1

Q1. A earns Rs. 88 per hour and works for 10 hours. B earns Rs. 95 per hour and works for 8 hours. The ratio of per day wages of A to B is:

(a) 19 : 21
(b) 19 : 22
(c) 21 : 19
(d) 22 : 19

Q2. A person borrow some money on simple interest. After 15 years, the simple interest will be 19/15 of the borrowed amount. What is the rate of interest per annum?

(a) 5 4/9 %
(b) 6 4/9 %
(c) 7 4/9 %
(d) 8 4/9 %

Q3. Rajeev saves 75% of his monthly income. If his monthly expenditure is Rs. 37,500, then his monthly saving (in Rs.) is:

(a) 1,12,500
(b) 1,20,250
(c) 1,10,500
(d) 1,11,500

Q4. Water in a conical flask with radius 7 cm and height 48 cm is poured into a cylindrical flask with radius 14 cm. The water level in the cylindrical flask is:

(a) 2 cm
(b) 4 cm
(c) 3 cm
(d) 5 cm

Q5. John has scored 60% in statistics and 70% in mathematics. A weightage of 2 is given to statistics and a weightage of 4 is given to mathematics. Which of the following expressions represents the weighted average of the two scores?

(a) (2 + 60% × 4 + 70%)/(2 + 4) \
(b) (2 × 60% × 40 × 70%)/(2 × 4) \
(c) (2 × 60% + 4 × 70%)/(2 × 4) \
(d) (2 × 60% + 4 × 70%)/(2 + 4)

Q6. Raj prepares a 60 gm mixture by combining two ingredients X and Y. The cost of ingredient X is Rs. 80 per 5 gm, and the cost of ingredient Y is Rs. 80 per 10 gm. Ingredients X and Y are mixed in a manner that the cost of the resulting mixture is Rs. 14 per gm. What is the quantity of ingredient X (in gm) in the mixture?

(a) 30
(b) 45

(c) 15
(d) 60

Q7. A hemispherical bowl of internal radius 24 cm contains liquid. The liquid is to be filled into cylindrical container of diameter 8 cm and height 12 cm. What is the number of containers that are necessary to empty the bowl?
(a) 45
(b) 50
(c) 48
(d) 39

Q8. 15 kg rice costing Rs. 60 per kg and 8 kg rice costing Rs. 55 per kg are mixed with 7 kg rice costing Rs. 40 per kg. Find the average per kg price of mixed rice.
(a) Rs. 56
(b) Rs. 45
(c) Rs. 54
(d) Rs. 48

Q9. The diagonals of two squares are in the ratio of 5 : 6. What is the ratio of their areas?
(a) 18 : 20
(b) 25 : 36
(c) 23 : 18
(d) 2 : 3

Q10. A person has to cover a distance of 8 km in 1 hour. If he covers one-fourth of the distance in one-third of the total time, what should his speed (in km/h) be to cover the remaining distance in the remaining time so that the person reaches the destination exactly on time?
(a) 8
(b) 7
(c) 9
(d) 6

Q11. By selling an article for Rs. 19, a dealer makes a profit of 10%. By how much should he increase his selling price (in Rs. , rounded off to two decimal place) so as to make a profit of 40%?
(a) 7.18
(b) 8.18
(c) 6.18
(d) 5.18

Q12. The average height of 50 students in a class was 105 cm. A group of five students with an average height of 95 cm were admitted to this class. What is the average height (in cm) of the class of 55 students? (correct to the nearest integer)
(a) 104
(b) 100
(c) 105
(d) 102

Q13. Which of the following options is equal to the LCM of 12, 36, 72, 144, 288 and 576?
(a) 72
(b) 576
(c) 144
(d) 288

Q14. The following table shows the number of students of Class IX of a school who are present in class on all days of the week, that is, from Monday to Friday. The total number of students of the class is 40.

Day	Monday	Tuesday	Wednesday	Thrusday	Friday

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Number of Students	38	24	35	29	23

On which day have the maximum number of students remained absent?

(a) Monday
(b) Wednesday
(c) Friday
(d) Tuesday

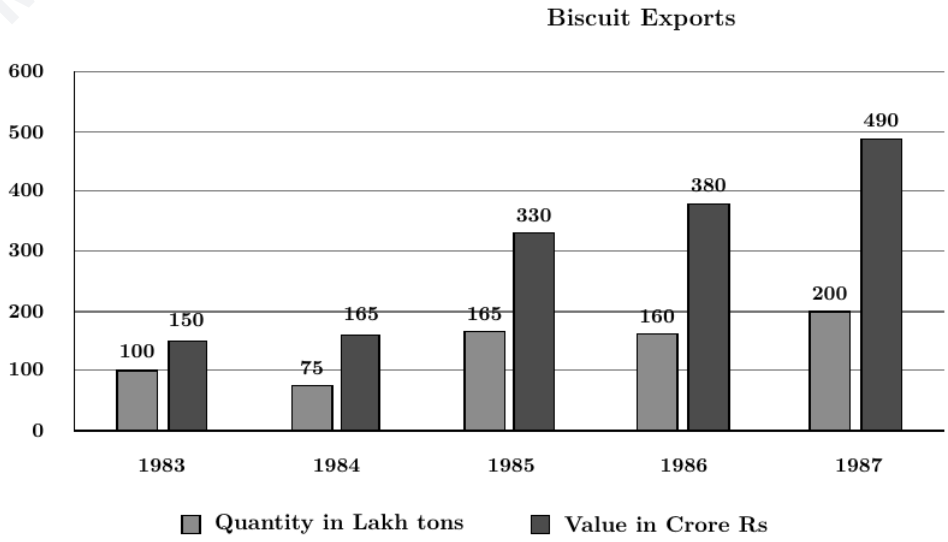
Q15. A tradesman marks his goods 25% above the cost price and allows his customers 12% reduction on their bills. What percentage profit does he make?

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

Q16. Find the simple interest (in Rs.) on Rs. 3500 as a sum borrowed at 3% per year rate of interest for 5 years.

(a) 465
(b) 485
(c) 565
(d) 525

Q17. The bar graph presents the quantity of biscuits exported (in lakh tons) and their value (in crore Rs.) over the given years.



What was the percentage increase in value of the biscuits exported from 1985 to 1987 (correct to 2 decimal places)?

(a) 44.22%
(b) 44.36%
(c) 44.25%
(d) 48.48%

Q18. In a scheme, a shopkeeper offers 4% discount if you buy three or more products. Ritu buys three bottles of guava juice for Rs. 330. If the shopkeeper still makes a profit of 10%, find the profit he would make if had sold it without discount (rounded off to 2 decimal places).

(a) 15.74%
(b) 14.58%
(c) 15%
(d) 15.28%

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Q19. Walking at a speed of 5.4 km/h, Rohit takes 40 minutes to reach his school from his home. What time will he take if he walks 8 km/h?

(a) 25 minutes
(b) 24 minutes
(c) 23 minutes
(d) 27 minutes

Q20. Find the simple interest (in Rs.) on Rs. 3500 as a sum borrowed at 5% per year rate of interest for 3 years.

(a) 565
(b) 525
(c) 465
(d) 485

Q21. DBCA is related to HDFB in a certain way based on the English alphabetical order. In the same way, BACD is related to DBFH. To which of the following is FDAC related, following the same logic?

(a) LBGH
(b) LEFG
(c) LPTG
(d) LHBF

Q22. In a certain code language, 'PAID' is coded as '3195' and 'GRAB' is coded as '2346'. What is the code for 'A' in the given code language?

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

Q23. Seven people R, S, T, D, E, F and G are sitting around a circular table, facing the centre (but not necessarily in the same order). R is sitting third to the right of D. Only one person is sitting between G and E when counted from the left of G. S is sitting to the immediate right of T. Only one person is sitting between G and T when counted from the right of G. Who is sitting third to the right of F?

(a) D
(b) T
(c) S
(d) G

Q24. 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:

All shirts are pants.

All pants are watches.

Conclusions:

(I) All pants are shirts.

(II) All shirts are watches.

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

Q25. In a certain code language, 'CASH' is coded as '2486' and 'HIRE' is coded as '3257'. What is the code for 'H' in the given code language?

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

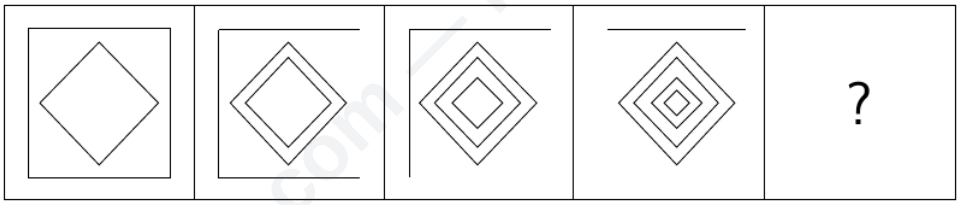
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(d) 2

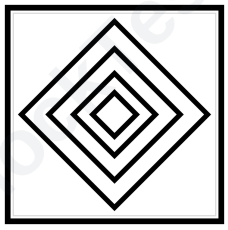
Q26. Six friends - A, B, C, D, E and F are sitting around a circular table facing away from the centre (but not necessarily in the same order). F is an immediate neighbour of both B and C. D is sitting second to the right of B. A is sitting to the immediate right of D. Who among the following is sitting to the second to the left of F?

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

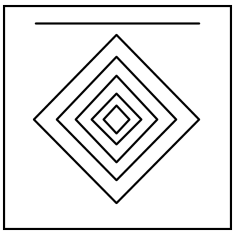
Q27. Identify the figure from the given options that can replace the question mark (?) and logically complete the series.



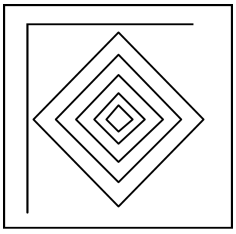
(a)



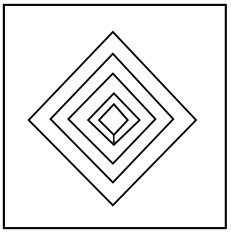
(b)



(c)



(d)



Q28. 18 is related to 74 following a certain logic. Following the same logic, 22 is related to 90. To which of the following is 25 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed.

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Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

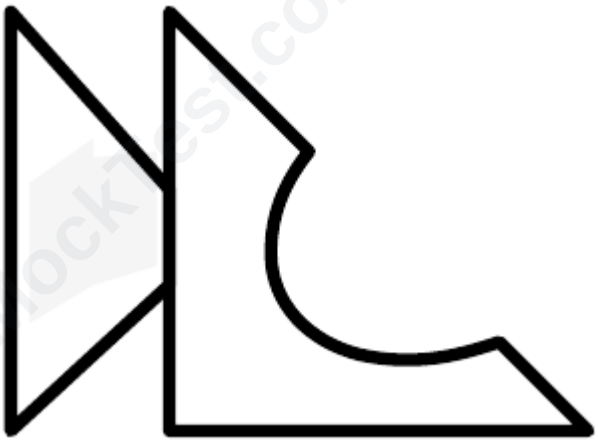
(a) 106
(b) 100
(c) 102
(d) 104

Q29. Which two signs should be interchanged to make the given equation correct?

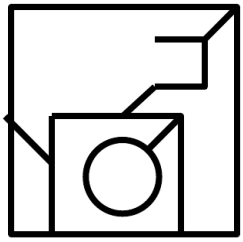
35 + 60 ÷ 12 × 4 − 12 = 203

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

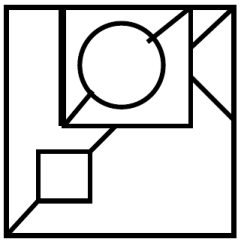
Q30. Select the option in which the given figure is embedded (rotation is NOT allowed).



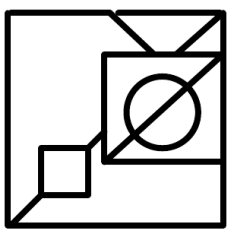
(a)



(b)

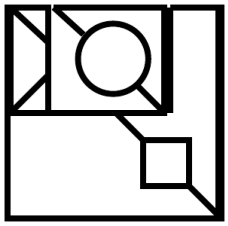


(c)

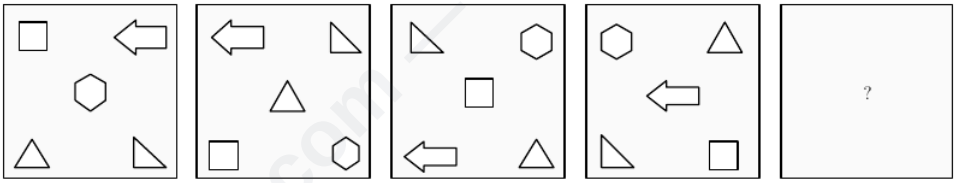


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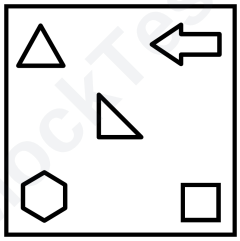
(d)



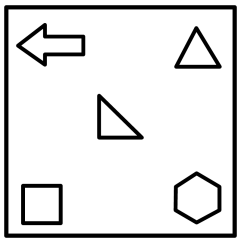
Q31. Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.



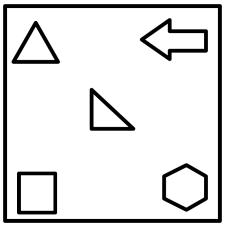
(a)



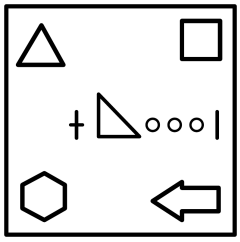
(b)



(c)



(d)



Q32. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ADG, JMP, SVY, BEH, ?

(a) LNQ

(b) KNQ

(c) LMO
(d) KMO

Q33. DZRG is related to HDOD in a certain way based on the English alphabetical order. In the same way, LHLA is related to PLIX. To which of the following is TPFU related, following the same logic?
(a) YUBQ
(b) YTDS
(c) XTCR
(d) WSCQ

Q34. What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and '−' and '÷' are interchanged?
5 + 625 − 25 × 75 ÷ 65 =?
(a) 165
(b) 135
(c) 145
(d) 125

Q35. In a certain code language, 'WANT' is coded as '8163' and 'THAN' is coded as '3468'. What is the code for 'H' in that language?
(a) 1
(b) 3
(c) 4
(d) 8

Q36. 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:
Some plants are spices.
No spice is a lentil.
Conclusions:
(i) Some lentils are plants.
(ii) Some spices are plants.
(a) Only conclusion (ii) follows
(b) Neither conclusion (i) nor (ii) follows
(c) Only conclusion (i) follows
(d) Both conclusions (i) and (ii) follow

Q37. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



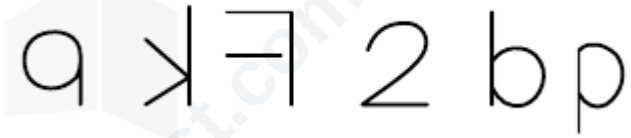
(a)



(b)



(c)



(d)



Q38. What should come in place of '?' in the given series?

14, 30, 93, 470, 3297, ?

(a) 36278
(b) 23086
(c) 29862
(d) 36267

Q39. In a certain code language, 'FOIL' is coded as '1974' and 'LIFE' is coded as '7291'. What is the code for 'E' in the given code language?

(a) 9
(b) 1
(c) 2
(d) 7

Q40. 21 is related to 189 following a certain logic. Following the same logic, 35 is related to 315. To which of the following is 43 related, following the same logic?

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

(a) 387
(b) 385
(c) 397
(d) 395

SESSION 2

Q41. Who became the first woman to command the Armed Forces Transfusion Centre, Delhi Cantt, which is the largest blood transfusion centre of the Armed Forces in Nov 2023?

(a) Col Sunita BS
(b) Lt Col Pooja Thakur
(c) Col Shailza Sharma

(d) Major Anjali Bhagwat

Q42. In which of the following classical dance forms are the actors' faces painted to symbolise the type of character they are playing?

(a) Bharatanatyam
(b) Odissi
(c) Kathakali
(d) Kathak

Q43. In 1992, which organisation launched Self Help Group – Bank Linkage Programme?

(a) SEBI
(b) NABARD
(c) SBI
(d) RBI

Q44. In which of the following states is the Bhadaravi Poonam Mela organised every year in the Nilkanth Mahadev temple premises in Babra?

(a) Rajasthan
(b) Himachal Pradesh
(c) Uttarakhand
(d) Gujarat

Q45. As per the Constitution (Ninety-First Amendment) Act, 2003, the total number of ministers, including the Prime Minister, shall NOT exceed:

(a) 20% of the total number of members of the Lok Sabha
(b) 15% of the total number of members of the Lok Sabha
(c) 10% of the total number of members of the Lok Sabha
(d) 25% of the total number of members of the Lok Sabha

Q46. Which of the following cities is known as the Steel City in India?

(a) Mumbai
(b) Jamshedpur
(c) Patna
(d) Ranchi

Q47. Indian classical musician, Ustad Rashid Khan was awarded the Padma Bhushan in 2022 for his contribution to which of the following music categories?

(a) Hindustani classical music
(b) Folk music
(c) Qawwali
(d) Carnatic music

Q48. In a metro station, it was observed that on an average 20 people per minute were using the escalator to reach at a height of 15 metres. Calculate the power of the escalator assuming the average mass of people to be 50 kg and acceleration due to gravity to be 10 m/s^2.

(a) 1.25 kW
(b) 2.5 kW
(c) 15 kW
(d) 150 kW

Q49. When was the Ustad Bismillah Khan Yuva Puraskar, an award given by the Sangeet Natak Akademi to outstanding artists under 40 who have demonstrated talent in the fields of music, dance and theatre, started?

(a) 2010
(b) 2006
(c) 2008
(d) 2002

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Q50. Who among the following was the pioneer of 'Bhoodan Movement'?

(a) Acharya Vinoba Bhave
(b) Vallabh bhai Patel
(c) Bhimrao Ambedkar
(d) Jawaharlal Nehru

Q51. In Dholavira, which of the following materials is extensively used as a building material?

(a) Granite
(b) Stone
(c) Bricks
(d) Cement

Q52. The concept of Concurrent List in the Indian Constitution is borrowed from the Constitution of _____.

(a) Britain
(b) USA
(c) Australia
(d) Russia

Q53. What is the rank of Sri Lanka in the Global Hunger Index (GHI) 2023?

(a) 69
(b) 80
(c) 60
(d) 95

Q54. What is the primary acid found in citrus fruits like oranges and lemons?

(a) Lactic acid
(b) Tartaric acid
(c) Citric acid
(d) Acetic acid

Q55. In which state are the Gua and Noamundi iron ore mines located?

(a) Maharashtra
(b) Jharkhand
(c) Chhattisgarh
(d) Karnataka

Q56. The climatic diversity of India is characterised by its distinctiveness, and one of the following factors does NOT contribute to it is _____.

(a) longitudinal extent
(b) latitudinal extent
(c) topography
(d) vegetation

Q57. The rock-cut temple of Shiva built by Krishna I is found at which of the following places?

(a) Ellora
(b) Kannauj
(c) Manyakhet
(d) Mahabalipuram

Q58. Consider the following statements in the context of the Vedas.

1. The Vedas are called Shruti.
2. The Rigveda consists of ten Mandalas.

Which of the statements given above is/are correct?

(a) Neither 1 nor 2
(b) Only 2

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(c) Both 1 and 2
(d) Only 1

Q59. Which Article of the Constitution of India provides provision for appointment of the same person as the Governor for two or more states?
(a) Article 158(2)
(b) Article 157
(c) Article 158
(d) Article 153

Q60. In which of the following year did India win the ICC T20 Men's Cricket World Cup?
(a) 2012
(b) 2009
(c) 2007
(d) 2010

Q61. Which of the following government initiatives focuses on skill development to reduce open unemployment among youth in India?
(a) PM KUSUM
(b) Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)
(c) Swachh Bharat Abhiyan
(d) Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

Q62. How many titles did West Bengal win in the Santosh Trophy events up to the 2022-23 season?
(a) 29
(b) 30
(c) 32
(d) 15

Q63. Who among the following Governor-Generals declared 'Sati' practice as illegal?
(a) Lord Canning
(b) Lord Lytton
(c) Lord Dalhousie
(d) Lord William Bentinck

Q64. Which of the following fictional towns is mentioned in the English novel 'In Custody' written by Anita Desai?
(a) Kanthapura
(b) Mirpore
(c) Malgudi
(d) Lilliput

Q65. A particular cell present in the excretory system of flatworms, which helps them removing waste materials is the:
(a) flame cell
(b) lacis cell
(c) passage cell
(d) cnidoblast cell

Q66. The following sentence contains an error. Select the option that correctly rectifies the error.
If I was a king, I would have tried my best to remove poverty from my country.
(a) on my country
(b) my best by remove poverty
(c) If I were a king,
(d) I would has tried

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Q67. Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

The manager decided to disclose a secret and address the issue at the team meeting.

(a) spill the beans
(b) bury the hatchet
(c) hit the nail on the head
(d) sweep it under the rug

Q68. Select the most appropriate option that can substitute the underlined segment in the given sentence.

The blanket gifted by my granny is softer and cozy.

(a) more soft
(b) soft
(c) softly
(d) softest

Q69. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

They was / celebrating their / Silver wedding anniversary / next month in Dubai.

(a) They was
(b) next month in Dubai
(c) celebrating their
(d) Silver wedding anniversary

Q70. Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.

Almost as wide as he was tall, he had a voracious appetite for food and drink and a rollicking personality to match.

(a) vehement
(b) imminent
(c) insatiable
(d) venerable

Q71. Select the option that rectifies the spelling of the underlined word in the given sentence.

The police informed the statesman that the goons were up to something meschievous.

(a) mischievous
(b) mischevious
(c) mischeivous
(d) mischevous

Q72. Select the most appropriate option that can substitute the underlined segment in the given sentence.

The unexpected guest at the party was a bull in a China shop.

(a) careless and damaging
(b) influential and meticulous
(c) careful and compassionate
(d) leisurely and relaxed

Q73. Select the most appropriate option to fill in the blank.

By next summer, they will be _____ their house.

(a) renovating
(b) renovates
(c) renovate
(d) renovated

Q74. Select the most appropriate option to fill in the blank.

She treats her juniors _____ contempt.

(a) by
(b) with
(c) in

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(d) for

Q75. Select the INCORRECTLY spelt word..

(a) Oppertunity
(b) Appearance
(c) Immigration
(d) Astronaut

Q76. Select the most appropriate ANTONYM of the given word.

Chaotic

(a) Confused
(b) Dressed
(c) Obscure
(d) Systematic

Q77. The given sentence has an error. Select the option that rectifies the error.

The students were asked to turn up their assignments by Friday.

(a) their assignment by Friday
(b) The students asked to
(c) asked turn up their assignments
(d) turn in their assignments

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

Out of spirits

(a) Gloomy
(b) Cheerful
(c) Hurt
(d) Obsolete

Q79. Select the most appropriate synonym of the word 'illuminate' from the given sentence.

The toughest and most typical question in the examination was to elucidate a particular theory related to friction in physics.

(a) Elucidate
(b) Typical
(c) Particular
(d) Theory

Q80. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Everyone in the room was in a jolly and relaxed mood.

(a) No substitution required
(b) most jolly
(c) jollier
(d) more jollier

Q81. Select the most appropriate meaning of the underlined word in the given sentence.

Urban people have a bombastic lifestyle, which is very different from those of rural folks.

(a) Hollow
(b) Pretentious
(c) Delusive
(d) Common

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Q82. Select the INCORRECTLY spelt word.

(a) Efficient
(b) Boundary
(c) Illustration
(d) Occassion

Q83. Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

The new employee is really trying to fit in, but sometimes he feels out of place and uncomfortable.

(a) a diamond in the rough
(b) a bird of a feather
(c) a fish out of water
(d) a needle in a haystack

Q84. Select the word segment from the given options that substitutes the highlighted word segment correctly and completes the sentence meaningfully: -

Each of the participants were given a certificate.

(a) have given
(b) was given
(c) are given
(d) have been given

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

Captivity

(a) Liberty
(b) Ethnicity
(c) Entity
(d) Authenticity

Directions

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

In recent years, the central and state governments in India have been taking special steps to 1 foreign companies to invest in India. Industrial zones, called Special Economic Zones (SEZs), are being 2. SEZs have world-class facilities, including electricity, water, roads, transport, storage, recreational, and educational facilities. Companies that set up production units in the SEZs do not have to pay taxes for an initial period of five years. The government has also 3 flexibility in the labour laws to attract foreign investment. In recent years, the government has allowed companies to 4 many of these provisions. Instead of hiring workers on a regular basis, companies hire workers 'flexibly' for short periods when there is 5 pressure of work. This is done to reduce the cost of labour for the company. However, some foreign companies are not satisfied, and they are demanding more in labour laws, citing the need for greater operational efficiency.

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

(a) fulfil
(b) attract
(c) deplore
(d) abhor

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

(a) dismantled
(b) set up
(c) obeyed
(d) wound up

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

(a) winked
(b) introduced
(c) invited
(d) suffered

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

(a) flounder
(b) ignore
(c) distort
(d) effect

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

(a) intense
(b) inadequate
(c) mechanical
(d) artificial

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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