SSC MTS 2024 Official Paper (Held On: 28 Oct, 2024 Shift 1) (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. Find the average of all odd numbers between 10 and 30.

(a) 10
(b) 20
(c) 30
(d) 40

Q2. The HCF of 1.75, 5.6 and 7 is :

(a) 0.35
(b) 3.5
(c) 0.07
(d) 0.7

Q3. Find the curved surface area of a cone (in cm^2) whose base diameter is 30 cm, and the height is 20 cm. (π =3.14)

(a) 942.1
(b) 1200.5
(c) 1000.3
(d) 1177.5

Q4. The area of a rhombus with diagonals of lengths 4 cm and 5 cm, respectively, is:

(a) 10 cm^2
(b) 4.5 cm^2
(c) 20 cm^2
(d) 40 cm^2

Q5. The number of marbles in three bags is in the ratio of 2 : 3 : 4. If 12 marbles are added to each bag, then the ratio changed to 8 : 11 : 14. The total number of marbles in the beginning was:

(a) 216
(b) 162
(c) 200
(d) 126

Q6. Tannish travels from A to B at a speed of 20 km/h, from B to C at 15 km/h and from C to D at 30 km/h. If AB = BC = CD, then find Tannish's average speed for the whole journey.

(a) 22 km/h
(b) 20 km/h
(c) 21 km/h
(d) 19 km/h

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Q7. The diameter of a solid sphere is 3 cm. It is melted and drawn into a wire of diameter 8 mm. The length of the wire is:

(a) 251/4 cm
(b) 263/8 cm
(c) 281/8 cm
(d) 321/4 cm

Q8. A trader sells an item at 25% profit. Had he bought it at 15% more and sold it forRs. 147 more, he would have earned a profit of 30%. Find the cost price of the item.

(a) Rs. 650
(b) Rs. 600
(c) Rs. 450
(d) Rs. 525

Q9. By selling a TV set for Rs. 26,000, a seller earns 30% profit. If the production cost is increased by 10%, what should be the new selling price of a set so as to gain 15% profit?

(a) Rs. 28,300
(b) Rs. 25,300
(c) Rs. 30,300
(d) Rs. 26,300

Q10. A family of seven minors and some adults has an average wheat consumption of 11.10 kg. The average consumption for minors is 5.5 kg per person, and for adults, it is 16 kg per person. Find the number of adults in the family.

(a) 5
(b) 6
(c) 10
(d) 8

Q11. The average of five numbers is 38. If one number is excluded, their average is 36. Find the excluded number.

(a) 38
(b) 49
(c) 41
(d) 46

Q12. Find the simple interest (in Rs.) on Rs. 2500 as a sum borrowed at 6% per year rate of interest for 4 years.

(a) 640
(b) 600
(c) 560
(d) 540

Q13. A shopkeeper first increased the price of an article by 8% and then by 5%. What is the total per cent increase ?

(a) 12.4%
(b) 10.4%
(c) 11.4%
(d) 13.4%

Q14. The simple interest on a sum is 7/13 of the principal for 21 years. What is the rate (in percentage) of interest per annum? (Rounded to two decimal places)

(a) 3.97
(b) 3.21
(c) 4.26
(d) 2.56

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Q15. The sale of readymade garments (in million) from four branches of a garment company during 2010 and 2011 is shown in the table below.

Branch/Year	2010	2011
A1	97	123
A2	105	77
A3	122	148
A4	114	132

The sale of which branch of the garment company (in 2010 and 2011 combined) was the minimum?

(a) A2
(b) A3
(c) A4
(d) A1

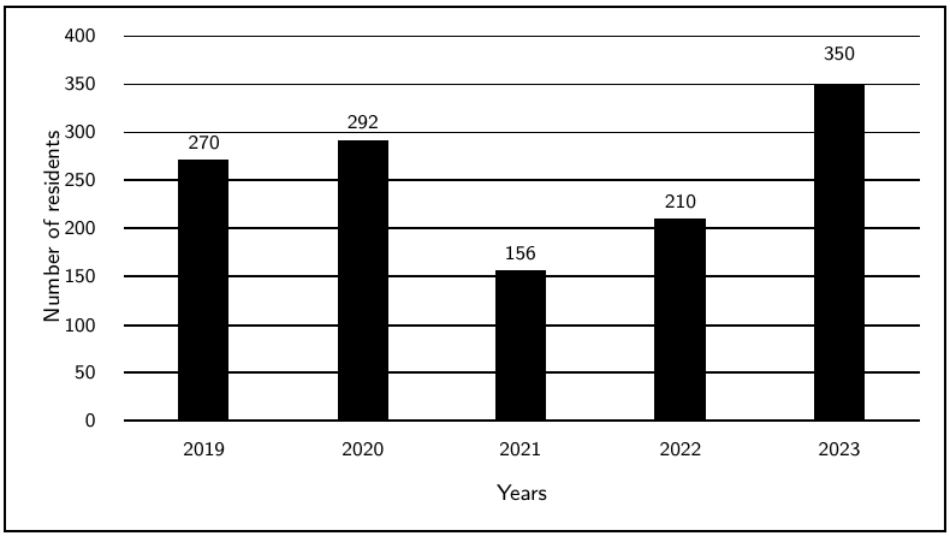
Q16. Find the simple interest (in Rs.) on Rs. 2000 as a sum borrowed at 6% per year rate of interest for 6 years.

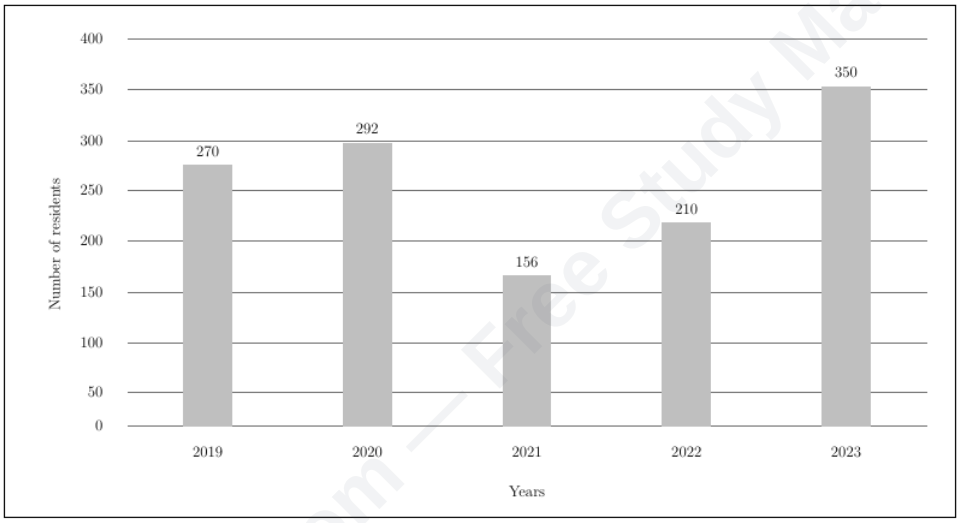
(a) 760
(b) 660
(c) 680
(d) 720

Q17. The average weight of 40 athletes and 5 trainers is 72 kg. When six more athletes of average weight 65 kg are included in the group, what is the average weight (in kg) of the group? (Rounded off to 2 decimal places)

(a) 65.21
(b) 69.37
(c) 72.25
(d) 71.18

Q18. The given bar graph represents the number of residents living in a society during the past five years. Study the graph carefully and answer the question that follows.





What is the per cent decrement in the number of residents in 2021 as compared to the previous year? (correct up to two decimal places)

(a) 50.24%
(b) 46.58%
(c) 44.58%
(d) 53.42%

Q19. A shopkeeper marks his good 12% above the cost price and allows a discount of 8.5% on the marked price. Find his profit or loss percentage.

(a) Profit 2.48%
(b) Profit 4.65%
(c) Loss 4.65%
(d) Loss 2.48%

Q20. A man riding his bike covers 960 m in 64 sec. What is his speed in km/hr?

(a) 50
(b) 54
(c) 64
(d) 15

Q21. 11 is related to 45 following a certain logic. Following the same logic, 3 is related to 13. To which of the following is 6 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) 28
(b) 25
(c) 23
(d) 26

Q22. 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). Only two people are sitting between S and G when counted from the right of S. Only two people are sitting between E and T when counted from the left of E. R is sitting second to the right of G. T is not an immediate neighbour of R. D is not an immediate neighbour of G. Who is sitting to the immediate left and to the immediate right of F, respectively?

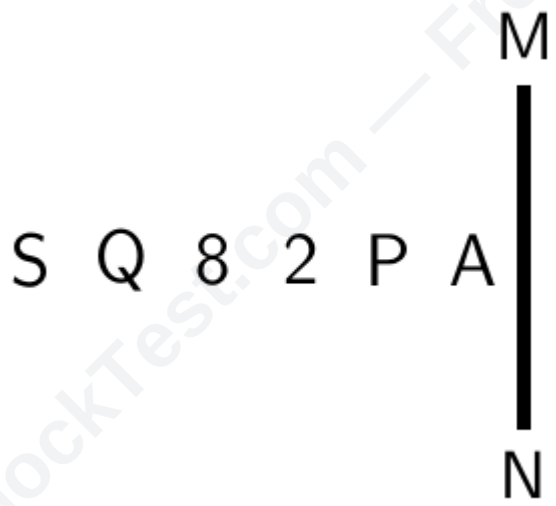
(a) T and G
(b) G and T
(c) G and S
(d) T and S

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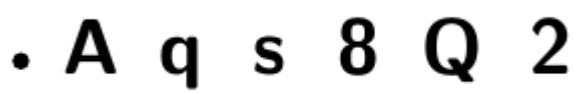
Q23. In a certain code language, 'paint the wall' is written as 'jh dw qp' and 'wall of honour' is written as 'fh ut dw'. How is 'wall' written in the given language?

(a) qp
(b) ut
(c) dw
(d) jh

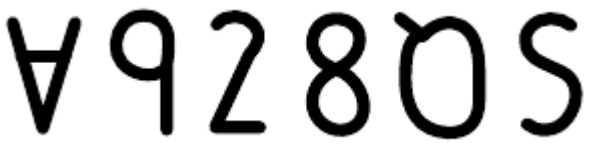
Q24. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



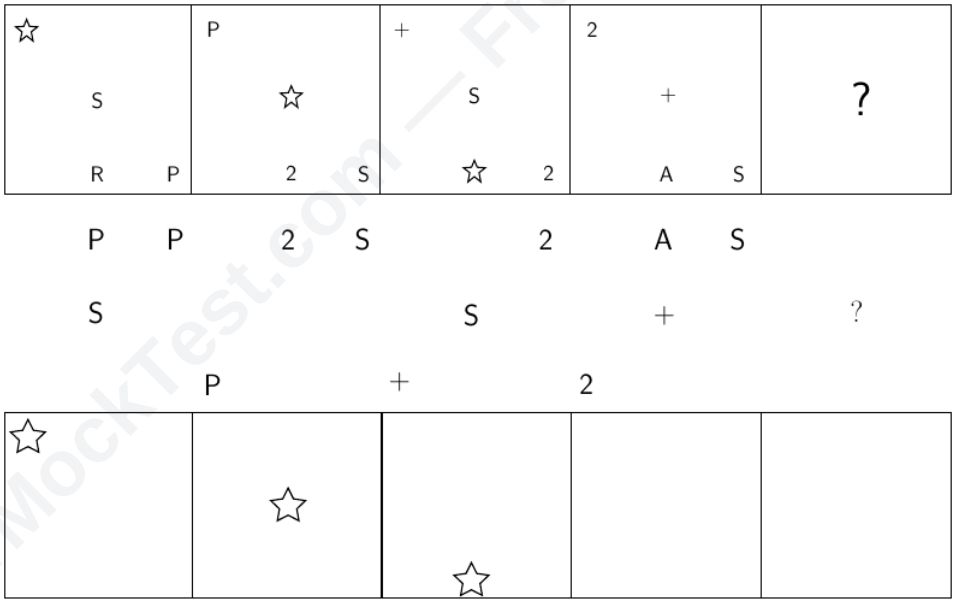
(d)



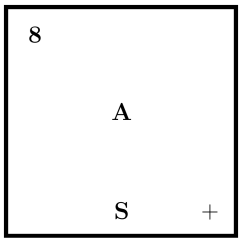
Q25. LRPN is related to SYWU in a certain way based on the English alphabetical order. In the same way, IOMK is related to PVTR. To which of the following is GMKI related, following the same logic?

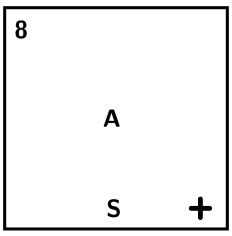
(a) TNPR
(b) NTRP
(c) NTPR
(d) TNRP

Q26. Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.

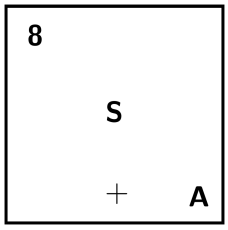


(a)

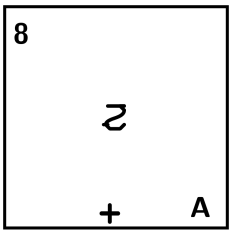




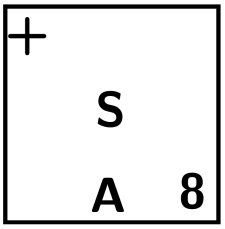
(b)



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(c)

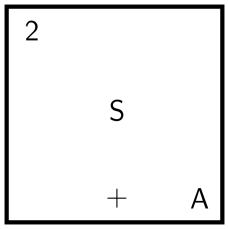


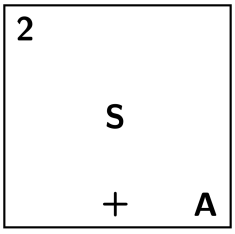
A 8

$



(d)





Q27. TCKS is related to WFNV in a certain way based on the English alphabetical order. In the same way, YHPX is related to BKSA. To which of the following is HPXG related, following the same logic?

(a) KSJL
(b) KSAJ
(c) SKKA
(d) KSJA

Q28. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cups are plates.

Some plates are glasses.

Conclusions:

(i) Some cups are not glasses.

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(ii) Some glasses are not plates.

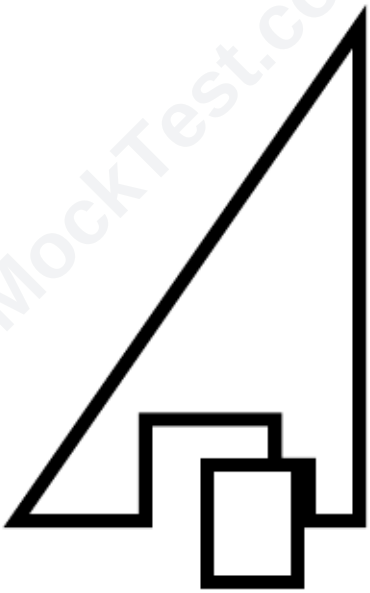
(a) Only conclusion I follows.
(b) Both conclusions I and II follow.
(c) Neither conclusion I nor II follows.
(d) Only conclusion II follows.

Q29. What will come in the place of '?' in the following equation, if '+' and '–' are interchanged and '×' and '÷' are interchanged?

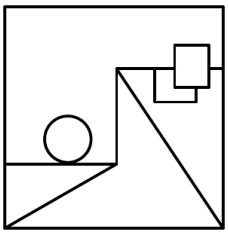
30 – 10 ÷ 63 × 9 + 15 = ?

(a) 80
(b) 85
(c) 90
(d) 87

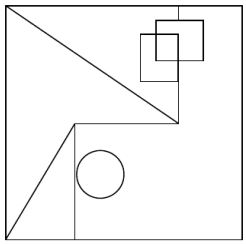
Q30. Select the option in which the given figure is embedded (rotation is NOT allowed).



(a)

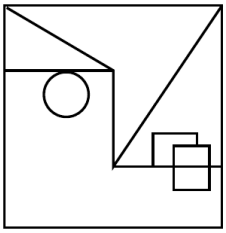


(b)

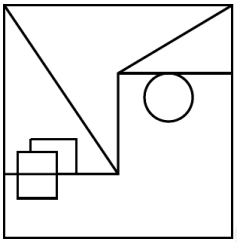


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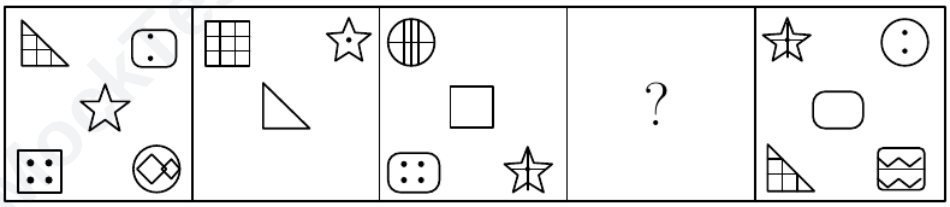
(c)



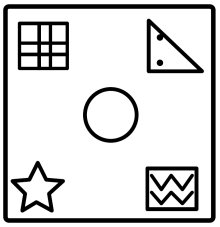
(d)



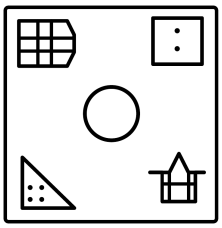
Q31. Select the figure from among the given options that can replace the question mark (?) in the following series.



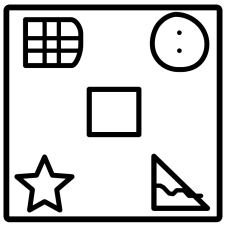
(a)



(b)

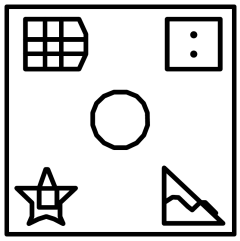


(c)



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(d)



Q32. In a certain code language, 'ONLY' is coded as '2648' and 'NICE' is coded as '7534'. What is the code for 'N' in the given code language?

(a) 4
(b) 7
(c) 2
(d) 6

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

WSF, BUK, GWP, LYU, ?

(a) RZY
(b) RBZ
(c) QAZ
(d) PAY

Q34. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(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.)

(11, 19, 8)

(14, 29, 15)

(a) (7, 35, 23)
(b) (16, 28, 12)
(c) (18, 21, 7)
(d) (22, 25, 9)

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

Statements:

• Some glasses are cups.

• All cups are plates.

Conclusions:

(I) At least some plates are glasses.

(II) All cups are glasses.

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

Q36. In a certain code language, 'I know you' is written as 'mo rc tp' and 'do they know' is written as 'hk mo be'. How is 'know' written in the given code language?

(a) mo
(b) tp
(c) rc
(d) be

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Q37. A, B, C, D, E, F and G are sitting around a circular table facing away from the centre (but not necessarily in the same order).

Only 3 people are sitting between A and D when counted from the right of A. B is sitting 2nd to the left of D. F is sitting immediate to the right of C. E is not an immediate neighbour of D. What is the position of F with respect to G?

(a) 3^(rd) to the left
(b) 2^(nd) to the right
(c) 2^(nd) to the left
(d) 3^(rd) to the right

Q38. What should come in place of the question mark (?) in the given series?

226 231 236 241 246 ?

(a) 254
(b) 252
(c) 253
(d) 251

Q39. Which of the following interchanges of signs would make the given equation correct?

57 − 19 × 18 + 9 ÷ 45 = 18

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

Q40. In a certain code language, 'GOLF' is coded as '6428' and 'OPEN' is coded as '7653'.

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

(a) 7
(b) 4
(c) 5
(d) 6

SESSION 2

Q41. Which red and buff sandstone is the tallest tower in India built in the thirteenth century?

(a) Shaheed Minar
(b) Chand Minar
(c) Jhulta Minar
(d) Qutub Minar

Q42. The people of Himachal Pradesh make channels to bring water from a glacier or rainwater to villages for the function of mainly irrigation. These channels are locally known as:

(a) Khadins
(b) Guls or Kuls
(c) Johads
(d) Baori

Q43. In which year was the microfinance movement formally launched in India on a pilot basis?

(a) 1992
(b) 2010
(c) 2000
(d) 1980

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Q44. Who among the following founded a suburban township near Vijayanagara, called Nagalapuram, after his mother?

(a) Sadasiva Raya
(b) Achyuta Deva Raya
(c) Krishna Deva Raya
(d) Rama Raya

Q45. In which sport is the term 'Dolphin Kick' commonly used?

(a) Swimming
(b) Javelin Throw
(c) Long Jump
(d) High Jump

Q46. Which of the following novels is based on Malgudi, a fictional town in south India?

(a) The Guide
(b) My Days
(c) A Suitable Boy
(d) Sacred Games

Q47. In which of the following years did India NOT win an Olympic gold medal in hockey?

(a) 1956
(b) 1960
(c) 1952
(d) 1948

Q48. Which of the following states is characterised by salt marshes known as 'Rann'?

(a) Jharkhand
(b) Maharashtra
(c) Punjab
(d) Gujarat

Q49. Who among the following wrote a book called 'Indica' based on his travels and experiences in Mauryan India?

(a) Strabo
(b) Pliny
(c) Megasthenes
(d) Diodorus

Q50. In which of the following states is the Jawara dance performed on the occasion of a successful harvest?

(a) Punjab
(b) Madhya Pradesh
(c) Haryana
(d) Gujarat

Q51. Who among the following was a leader of Garam Dal, a group of radical nationalists?

(a) Dadabhai Naoroji
(b) Gopal Krishna Gokhale
(c) Bipin Chandra Pal
(d) Surendranath Banerjee

Q52. Who among the following presides over the meeting of the Council of Ministers in a state?

(a) Chairman of the Legislative Council
(b) Chief Minister of the state
(c) Chief Secretary of the state
(d) Speaker of the Legislative Assembly

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Q53. Which of the following is NOT a function of mesosomes?

(a) Increase the surface area of the plasma membrane and enzymatic content
(b) Locomotion
(c) Respiration
(d) DNA replication and distribution to daughter cells

Q54. Who was sworn in as the Governor of Chhattisgarh in February 2023?

(a) Ramesh Bais
(b) Satyadev Narayan Arya
(c) Biswabhusan Harichandan
(d) Anusuiya Uikey

Q55. Which of the following Khayal artists is the founding father of Lalit Kala Kendra of the University of Pune?

(a) Bhimsen Joshi
(b) Ravi Shankar
(c) Shiv Kumar Sharma
(d) Kishan Maharaj

Q56. Which of the following is NOT a hydroelectric power plant?

(a) Bhakra Nangal Hydel Project
(b) Damodar Valley Hydel Project
(c) Sambhar Lake Hydel Project
(d) Kopili Hydel Project

Q57. Which of the following is an alarming effect of thermal pollution in water bodies?

(a) The amount of dissolved oxygen decreased significantly
(b) Changes in turbidity
(c) The random changes in pH values
(d) Increasing amount of carbon dioxide

Q58. According to National Multidimensional Poverty Index 2023 (A Progress Review), what was the proportion of population in multidimensional poverty (Headcount Ratio) in rural India in 2019-2021?

(a) 19.28%
(b) 24.12%
(c) 12.32%
(d) 14.96%

Q59. According to Census 2011 of India, which metropolitan city has the highest population?

(a) Mumbai
(b) Kolkata
(c) Chennai
(d) Delhi

Q60. An Ummathat folk dancer from Karnataka _____ had been honoured with Padma Shri in 2023.

(a) Rani Karnaa Nayak
(b) Rani Machiah
(c) Devika Rani
(d) Sharan Rani Backliwal

Q61. Who among the following was the founder of 'Bhoodan Yajna' in India?

(a) Subhas Chandra Bose
(b) Vinoba Bhave
(c) Vallabhbhai Patel
(d) Mahatma Gandhi

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Q62. Which part of a flower develops into a seed?

(a) Stamen
(b) Petal
(c) Ovule
(d) Pistil

Q63. In December 2023, which eminent agricultural economist from Kerala was conferred the distinguished title of ISAE Fellow 2023 by the Indian Society of Agricultural Economics (ISAE)?

(a) Chanda Nimbkar
(b) Suman Sahai
(c) Dr. P Indira Devi
(d) Sulochana Gadgil

Q64. Which Article of the Indian Constitution states the following?

'Directive Principles of State Policy are fundamental in the governance of the country and it shall be the duty of the state to apply these principles in making laws.'

(a) Article 40
(b) Article 30
(c) Article 35
(d) Article 37

Q65. Madhavpur Fair in Gujarat is a _____ day long event to celebrate Lord Krishna's marriage with Rukmani.

(a) four
(b) two
(c) five
(d) three

Q66. In the following sentence the underlined part contains as error. Alternatives to the underlined part are given as options. Select the correct alternative.

Ahuja is a cleverest lawyer.

(a) clever
(b) most clever
(c) cleverer
(d) more clever

Q67. Select the most appropriate ANTONYM of the given word.

Curse

(a) Criticise
(b) Abuse
(c) Praise
(d) Comment

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

She always wears dresses of _____ fashion.

(a) late
(b) the latter
(c) latest
(d) the latest

Q69. Select the most appropriate option to fill in the blank.

The discussion led by the scientist was very _____.

(a) informative
(b) more informative
(c) information

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(d) most informative

Q70. Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution required'.

Manisha had a great feeling for those who were junior than her.

(a) junior to
(b) junior of
(c) junior from
(d) No substitution required

Q71. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Wolves' teeth are larger and strong than dog's teeth.

(a) stronger
(b) more strong
(c) the stronger
(d) strongest

Q72. Select the most appropriate synonym of the word 'Native' from the given sentence.

Mr. Smith believes that various tribes are the indigenous habitants of various corners of the world; unlike his contemporaries who have a viewpoint regarding an alien or foreign invasion.

(a) Foreign
(b) Indigenous
(c) Alien
(d) Invasion

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

Anticipate

(a) Predict
(b) Accuse
(c) doubt
(d) Conceal

Q74. Select the most appropriate ANTONYM of the underlined word in the given sentence.

A few students have condemned the latest project of preparing teaching aids as a waste of money.

(a) Contradicted
(b) Doomed
(c) Applauded
(d) Consolidated

Q75. Select the most appropriate meaning of the given idiom.

Crocodile tears

(a) An irrevocable step
(b) To not behave in a fair way
(c) To please everyone
(d) An insincere display of grief

Q76. Select the correct spelling of the underlined word in the given sentence.

The magician performed a magnificant trick.

(a) magnifecent
(b) magnificante
(c) magnificfent
(d) magnificent

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Q77. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in the blanks.

Michael Jackson is known as the King of Pop. He _____ his own genre of music, Pop. His music is spreading its influence and popularity _____ the world.

(a) dominates; around
(b) command; besides
(c) controls; beside
(d) presides; round

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

A blue-eyed boy

(a) an unperceived observer
(b) a miser
(c) an unwelcome intruder
(d) one who is favourite

Q79. Select the most appropriate synonym of the word 'Ceased' to fill in the blank.

He was _____ from his job because of his misconduct.

(a) terminated
(b) continued
(c) commenced
(d) progressed

Q80. Select the most appropriate option to complete the given sentence in the present perfect continuous tense.

The company _____ working towards achievements in curbing slackness and fostering development.

(a) have been
(b) are being
(c) is being
(d) has been

Q81. Select the most appropriate option to fill in the blank.

The sharpshooter _____ dead a man-eating tiger after it allegedly killed nine people in the last few days.

(a) fixed
(b) threw
(c) shot
(d) killed

Q82. Select the option that correctly rectifies the underlined spelling error in the given sentence.

The reorganisation of daily life wrought by industrialisation had effects that weakened the material basis for the instituetions of the family and the community.

(a) instituteion
(b) insteutions
(c) insteletuons
(d) institutions

Q83. The following sentence has been split into segments. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

He missed the college bus / because he woke up / unpardonably lately in the morning.

(a) because he woke up
(b) he missed the college bus
(c) no error
(d) unpardonably lately in the morning

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Q84. Select the most appropriate option that can substitute the highlighted word(s) in the given sentence.

The sceneries in Darjeeling are breathtaking.

(a) scenery in Darjeeling were
(b) sceneries in Darjeeling is
(c) sceneries in Darjeeling had been
(d) scenery in Darjeeling is

Q85. One of the four words in bold in the given sentence is incorrectly spelt. Select the INCORRECTLY spelt word.

The detectives uncovered a conspirasy to overthrow the government.

(a) conspirasy
(b) overthrow
(c) uncovered
(d) detectives

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.

Worldwide illiteracy rates have (1)_____ declined in the last few decades. One of the major reasons for this decline is the sharp increase in literacy rates (2)_____ young women, which is a result of specific (3)_____ designed to increase educational opportunities for girls. (4)_____, there are still an estimated 771 million illiterate adults in the world, about two-thirds of whom are (5)_____.

Q86. Select the most appropriate option to fill in blank no. 1.

(a) thirdly
(b) wearily
(c) consequently
(d) consistently

Q87. Select the most appropriate option to fill in blank no. 2.

(a) between
(b) over
(c) among
(d) against

Q88. Select the most appropriate option to fill in blank no. 3.

(a) campaigns
(b) companions
(c) camisole
(d) champions

Q89. Select the most appropriate option to fill in blank no. 4.

(a) Whenever
(b) Otherwise
(c) Thus
(d) However

Q90. Select the most appropriate option to fill in blank no. 5

(a) man
(b) woman
(c) child
(d) women

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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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