SSC MTS (2022) Official Paper (Held On: 16 Jun, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 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. The length of a cuboid is 10 cm. If the breath of the cuboid is half of its lengths and height of the cuboid is twice of its length, then what is the lateral surface area of the cuboid?

(a) 600 cm²
(b) 500 cm²
(c) 720 cm²
(d) 560 cm²

Q2. What will be the HCF of 54 and 48?

(a) 4
(b) 7
(c) 6
(d) 8

Q3. Sachin is 12.5 percent less efficient than Rohit. If Sachin alone can finish a work in 24 days, then in how many days will Rohit alone finish the same work?

(a) 16 days
(b) 21 days
(c) 18 days
(d) 20 days

Q4. The angles of a triangle are in the ratio 2 : 3 : 4. What is the largest angle of the triangle?

(a) 80 degree
(b) 100 degree
(c) 90 degree
(d) 120 degree

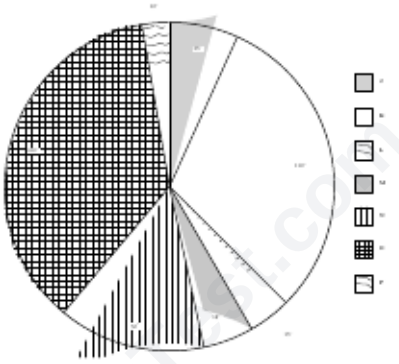
Q5. A person covers first 30 km in 60 minutes and next 40 km in 30 minutes. What is his average speed for the whole journey?

(a) (140/3) km/hr
(b) 30 km/hr
(c) (160/3) km/hr
(d) 60 km/hr

Q6. What is the value of 6/13[29/12+4/18(16/12+18/9)-46/15÷23/45] ?

(a) -312/137
(b) -307/234
(c) -294/117
(d) -207/119

Q7. The pie chart given below shows the expenditure incurred by a person on 7 articles. The total expenditure of all these 7 articles is 1800. Expenditure incurred on a particular article is shown in terms of degree with respect to the total expenditure incurred in all these 7 articles.



Expenditure incurred on article L is what percent of expenditure incurred on article P?

(a) 125 percent
(b) 100 percent
(c) 75 percent
(d) 150 percent

Q8. The ratio of spirit and water in two mixtures of 46 litres and 50 litres is 11 : 12 and 2 : 3 respectively. Both the mixtures are mixed. Find the ratio of the spirit and water in the new mixture.

(a) 8 : 9
(b) 7 : 9
(c) 5 : 6
(d) 3 : 7

Q9. 35 percent of marked price is equal to 40 percent of cost price. If no discount is given, then what will be the profit percentage?

(a) 12.5 percent
(b) 25 percent
(c) 14.28 percent
(d) 16.66 percent

Q10. The simple interest on a sum for 5 years is Rs. 7590. The rate of interest for the first 3 years is 6 percent per annum and for the next 2 years is 14 percent per annum. What is the sum?

(a) Rs. 17000
(b) Rs. 15000
(c) Rs. 14000
(d) Rs. 16500

Q11. The difference between cost price and selling price is Rs. 341. If profit percentage is 22 percent, then what is the selling price?

(a) Rs. 1972
(b) Rs. 1752
(c) Rs. 1891
(d) Rs. 1858

Q12. A man bought 30 mangoes for a rupee. How many mangoes had he sold for a rupee so that there is a loss of 40 percent?

(a) 50
(b) 40
(c) 45
(d) 60

Q13. If A = 8X and B = 6X, then A is how much percentage more than B?

(a) 50 percent
(b) 66.6 percent
(c) 100 percent
(d) 33.33 percent

Q14. What will the curved surface area of cylinder with radius 10 cm and height 20 cm? (use π = 3.14)

(a) 1345 cm^2
(b) 1453 cm^2
(c) 1256 cm^2
(d) 1234 cm^2

Q15. A man takes 20 hours to go to a place and come back by walking both the ways. He could have saved 4 hours by riding both the ways. The distance covered in the whole journey is 36 miles. Find the average speed for the whole journey if he goes by walking and comes back by riding.

(a) 2 miles/hr
(b) 1 miles/hr
(c) 4 miles/hr
(d) 3 miles/hr

Q16. A principal of Rs. 16000 is invested at simple interest for 4 years. If the per annum rate of interest is 20 percent, then what will be the amount after 4 years?

(a) Rs. 23480
(b) Rs. 28800
(c) Rs. 26480
(d) Rs. 30420

Q17. Find the fourth proportion to the numbers 49, 51 and 98.

(a) 96
(b) 102
(c) 112
(d) 90

Q18. The table given below shows the marks obtained by boys and girls in different subjects.

Subjects	Boys	Girls
A	60	120
B	80	100
C	140	40
D	120	60
E	100	40

L1 = The difference between marks obtained by boys and girls in all subjects.

L2 = The value of average of marks obtained by boys in C, D and E.

What is the value of (L1 - L2)?

(a) 40
(b) 20

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(c) 10
(d) 50

Q19. What is the HCF of 513 and 1017?
(a) 15
(b) 8
(c) 9
(d) 13

Q20. Z1 and Z2 together complete a work in 15 days. Z2 alone can complete the same work in 30 days. They took Rs. 2000 to complete the work together. What will be the share of Z1?
(a) Rs. 1500
(b) Rs. 2000
(c) Rs. 1000
(d) Rs. 500

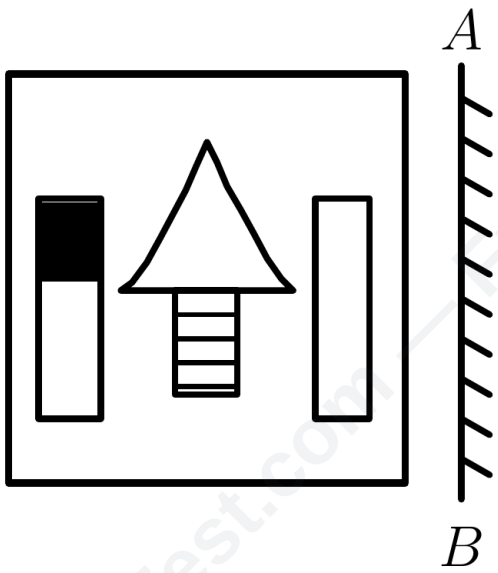
Q21. Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row - 15, 12, 180
Second row - 18, 13, 234
Third row - 7, 32, ?
(a) 215
(b) 179
(c) 308
(d) 224

Q22. Three Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
Some ifs are but's.
All but's are so's.
No so is a then.
Conclusions:
I. All ifs being then is a possibility.
II. All then's being if is a possibility.
(a) Only conclusion II follows
(b) Neither conclusion I nor II follows
(c) Both conclusions I and II follow
(d) Only conclusion I follows

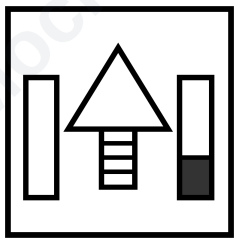
Q23. Two Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the Statements.
Statements:
All rings are round.
No round is a square.
Conclusions:
I. No ring is square.
II. No square is round.
(a) Neither conclusion I nor II follows
(b) Both conclusions I and II follow
(c) Only conclusion II follows
(d) Only conclusion I follows

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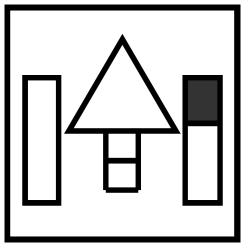
Q24. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



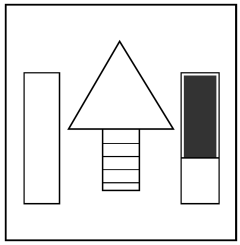
(a)



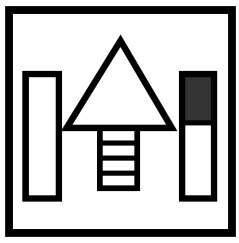
(b)



(c)



(d)



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Q25. After interchanging the given two signs, what will be the value of the given equation?

• and - ; 12 + 8 × 6 ÷ 3 - 11

(a) 7
(b) 5
(c) 9
(d) 8

Q26. Four students M, N, O, and P are standing in a queue in a restaurant to give their orders. M is not behind O but behind P. O does not give the last order. Who is standing in front of the queue?

(a) P
(b) M
(c) N
(d) O

Q27. In the following question, select the missing number of the given series.

283, 295, 281, 297, 279, ?

(a) 294
(b) 298
(c) 299
(d) 291

Q28. Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number.

13 : 168 :: 16 : 255 :: ? : 143

(a) 14
(b) 15
(c) 11
(d) 12

Q29. 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 the third term.

GT16 : KW32 :: MQ29 : QT58 :: VA16 : ?

(a) ZB32
(b) YC32
(c) ZD32
(d) YD32

Q30. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Kohima : Nagaland :: ?

(a) Shillong : Meghalaya
(b) Uttar Pradesh : Lucknow
(c) Sikkim : Gangtok
(d) Bihar : Patna

Q31. Usha is older than Savitri. Suruchi is younger than Nisha but older than Usha. Taniya is older to Ritu, but younger than Savitri. Manisha is the youngest. Who is the eldest among them?

(a) Taniya
(b) Usha
(c) Manisha
(d) Nisha

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Q32. Which two numbers should be interchanged to make the given equation correct?

96 ÷ 3 - 24 + 16 × 8 = 36

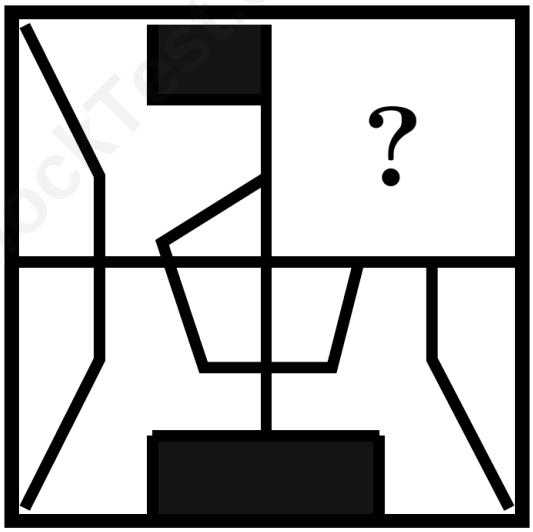
(a) 8 and 3
(b) 24 and 3
(c) 96 and 24
(d) 8 and 16

Q33. Which of the following letter will replace the question mark (?) in the given series?

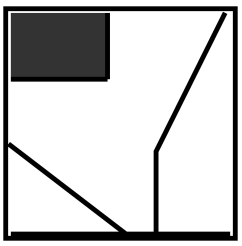
T, Q, N, K, H, ?

(a) R
(b) E
(c) O
(d) P

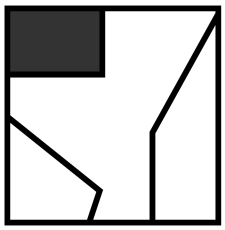
Q34. Which answer figure will complete the pattern in the question figure?



(a)

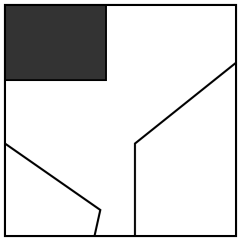


(b)

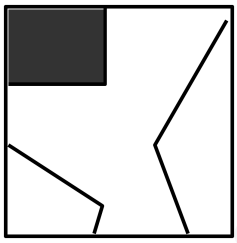


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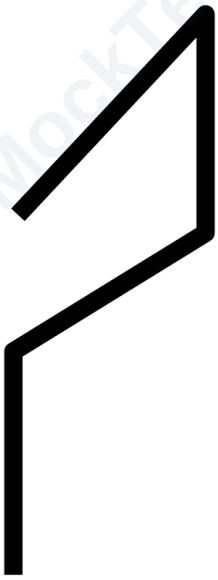
(c)



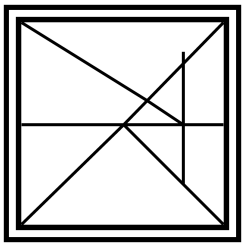
(d)



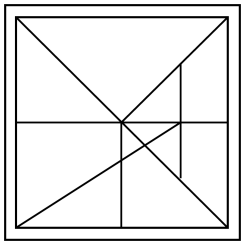
Q35. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



(a)

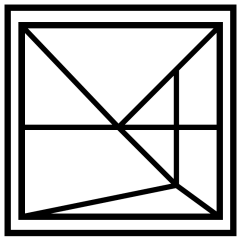


(b)

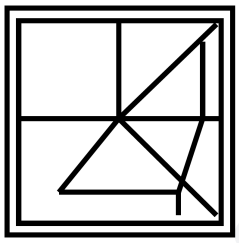


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(c)



(d)



Q36. In a certain code language, 'RUDE' is written as 'EDUR48'. How will 'SOUP' be written in that language?

(a) PUPS81
(b) PUOS71
(c) PUPS71
(d) PUOS81

Q37. Which of the following numbers will replace the question mark (?) in the given series?

14, 9, 4, -1, -6, ?

(a) -8
(b) -14
(c) -23
(d) -11

Q38. In a certain code language, 'DUKE' is coded as 'ZQGA'. What is the code for 'EXIT' in that code language?

(a) ATEQ
(b) ATEP
(c) AUFQ
(d) AUEP

Q39. Eight boys B1, B2, B3, B4, B5, B6, B7 and B8 are sitting around a circular table facing opposite to the centre (not necessarily in the same order). B1 is third to the right of B3. B5 is second to the left of B3. B2 is fourth to the right of B4, B4 is second to the right of B1, B8 is third to the left of B6. B6 is not the immediate neighbour of B1. who is third to right of B7?

(a) B3
(b) B5
(c) B7
(d) B4

Q40. In a certain code language, 'VRH' is written as 'TPJ'. How will 'LYS' be written in that language?

(a) JUW
(b) JUT
(c) JWU
(d) WUJ

SESSION 2

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Q41. Article 40 of the Indian constitution, "Organisation of village panchayats", is a _____.

(a) Directive Principles of State Policy
(b) Fundamental Duty
(c) Legal Right
(d) Fundamental Right

Q42. The day to day condition of the atmosphere at a place with respect to the temperature humidity, rainfall. wind speed etc. is called _____ at the place.

(a) climate
(b) weather
(c) environment
(d) ecology

Q43. The disease-causing microbes are called _____.

(a) toxins
(b) pathogens
(c) decomposers
(d) antibodies

Q44. The substances which reduce friction are called _____.

(a) fluids
(b) magnets
(c) springs
(d) lubricants

Q45. In 1927, B.R Ambedkar started which movement with Dalits?

(a) Self-respect movement
(b) Equal Pay movement
(c) Independence Movement
(d) Temple entry movement

Q46. "Solung" is a festival celebrated by the Adi Tribe of which state?

(a) Himachal Pradesh
(b) Madhya Pradesh
(c) Arunachal Pradesh
(d) Andhra Pradesh

Q47. Which river flows between the Vindhya and Satpura ranges?

(a) Narmada
(b) Godavari
(c) Son
(d) Mahanadi

Q48. The Virupaksha Temple is situated at _____.

(a) Surat
(b) Sanchi
(c) Hampi
(d) Jaipur

Q49. Which country is the second largest producer of crude steel in the world for FY 2020 - 21?

(a) China
(b) India
(c) Australia
(d) Japan

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Q50. Which famous Indian musician is associated with musical instrument Santoor?

(a) Ustad Amjad Ali Khan
(b) Ustad Zakir Hussain
(c) Pandit Shiv Kumar Sharma
(d) Hariprasad Chaurasia

Q51. Under the Delhi Sultanate, a religious tax _____ was imposed on the wealthy and rich Muslims in India.

(a) Firuz
(b) Mamluk
(c) Zakat
(d) Kismat

Q52. How many silver medals won by India in Commonwealth Games 2022?

(a) 20
(b) 16
(c) 18
(d) 14

Q53. The term 'Kammakaras' in ancient times is related to _____.

(a) Landless agricultural labourers
(b) Craftsmen
(c) Tax collecting officer
(d) Goldsmith

Q54. Which among the following parts of the Indian Constitution deals with 'The Panchayats'?

(a) X
(b) IX
(c) III
(d) VI

Q55. The Biological Diversity (Amendment) Bill, 2021 is related to _____ Ministry of India.

(a) Agriculture & Farmers Welfare
(b) Earth Sciences
(c) Corporate Affairs
(d) Environment, Forests & Climate Change

Q56. Which of the following is an Important steel producing centres in India?

I. Bhilai
II. Jamshedpur
III. Rourkela

(a) I and II only
(b) I and III only
(c) II and III only
(d) I, II and III

Q57. Which freedom fighter is known as the mother of the Indian revolution?

(a) Sarojini Naidu
(b) Annie Besant
(c) Madam Bhikaji Cama
(d) Aruna Asaf Ali

Q58. Small Industries Development Bank of India (SIDBI) is regulated by _____.

(a) State Bank of India
(b) Indian Bank
(c) Reserve Bank of India

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(d) ICICI Bank

Q59. Which of the following states does NOT share border with Nepal?

(a) Uttarakhand
(b) Uttar Pradesh
(c) Bihar
(d) Himachal Pradesh

Q60. Provisions related to the Municipalities are mentioned under which part of the Indian constitution?

(a) Part IX A
(b) Part VII
(c) Part V
(d) Part XII

Q61. Which among the following plant kingdoms are divided into dicotyledons and monocotyledons?

(a) Angiosperms
(b) Pteridophytes
(c) Bryophytes
(d) Gymnosperms

Q62. Which among the following type of unemployment is also known as the real wage unemployment?

(a) classical
(b) seasonal
(c) structural
(d) frictional

Q63. Nalanda University, an important centre in ancient period is situated in which state?

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

Q64. Who among the following won the Men's Singles Paris Masters Titles in 2022?

(a) Holger Rune
(b) Carlos Alcaraz
(c) Novak Djokovic
(d) Casper Ruud

Q65. Which former Miss India, also the recipient of the Sangeet Natak Akademi Award, popularised Indian classical dance in the west?

(a) Leela Naidu
(b) Lona Pinto
(c) Indrani Rahman
(d) Peace Kanwal

Q66. Select the appropriate antonym for the underlined word.

Educators play a key role as nation builders.

(a) negligible
(b) principal
(c) primitive
(d) predominant

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Q67. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

He would prefer to speak with you in persona.

(a) you in person
(b) you on person
(c) No improvement
(d) you in personal

Q68. Select the correctly spelt word.

(a) simultenaous
(b) simulteneous
(c) simultaneous
(d) simultanous

Q69. Fill in the blank with the most appropriate option.

Pranav, Shagun and Munshi took a bus to the same _____.

(a) slot
(b) end
(c) destination
(d) target

Q70. Select the most appropriate synonym of the given word.

Small

(a) Rich
(b) Adequate
(c) Liberal
(d) Slight

Q71. Choose the word that can substitute the given group of words.

One who gives shape to stone

(a) Curator
(b) Sculptor
(c) Apostate
(d) Auditor

Q72. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

The differences were/ imperceptible to all but/ the most trained eye.

(a) imperceptible to all but
(b) No error
(c) the most trained eye.
(d) The differences were

Q73. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

We've made extraordinary (flowering as a) society in that regard.

(a) progress as a
(b) advance as a
(c) improvement by a
(d) No correction required

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

She was trying to help that little boy in the grocery _____.

(a) road
(b) asylum

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(c) store
(d) park

Q75. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Even the most wise don't / know what's hidden in / the depths of their being.

(a) No error
(b) know what's hidden in
(c) the depths of their being.
(d) Even the most wise don't

Q76. Select the most appropriate meaning of the bracketed idiom in the given sentence.

She invited (all and sundry) to her party.

(a) To take reckless risks
(b) To remove a misapprehension
(c) To suffer humiliation
(d) Everyone without distinction

Q77. Select the wrongly spelt word.

(a) enormous
(b) mordern
(c) indolent
(d) courteous

Q78. Fill in the blank with the most appropriate option.

Many Americans appear to be _____ those warnings seriously.

(a) understanding
(b) sacking
(c) making
(d) taking

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

Rust bucket

(a) To be absent minded
(b) An old man
(c) A vehicle that is old or almost broken
(d) To be late for everything

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

It is expected that this police power will only apply to air and (sea routes between the Great Britain and the Northern Ireland).

(a) Sea routes across the Great Britain and Northern Ireland
(b) Sea routes across the Great Britain and the Northern Ireland
(c) Sea routes between Great Britain and Northern Ireland
(d) No substitution required

Q81. Choose the word that is opposite in meaning to the given word.

Pardon

(a) Condemn
(b) Spite
(c) Boast
(d) Release

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Q82. Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.

The (departure) of people from the city isn't necessarily good news.

(a) abidance
(b) continuation
(c) exodus
(d) excavation

Q83. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

'He wants something done, / and it has not happen / fast enough,' he said.

(a) No error
(b) He wants something done
(c) fast enough,' he said.
(d) and it has not happen

Q84. Select the most appropriate option to fill in the blank.

The event acts as a trigger or _____, which catapults them into an awareness of this phenomenon.

(a) dogma
(b) catalyst
(c) elegy
(d) harangue

Q85. Select the most appropriate word for the given group of words.

People who belong to the same country.

(a) Natives
(b) Soldiers
(c) Folks
(d) Communists

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

One headteacher asked what she should say to parents who request guidance _____ (1) getting their child "school- ready", because she was concerned that too ____ (2) parents have become convinced that an expert (the teacher) knows more than they do about their own child's ____ (3) Her intention was not to bash parents, ____ (4) she wanted to know how to encourage parents to see "school" as a distinct domain from "home", where their own _____ (5) ought to hold sway.

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

(a) at
(b) to
(c) of
(d) on

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

(a) many
(b) much
(c) most
(d) more

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

(a) development
(b) consistence
(c) submission
(d) maniacs

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

(a) or
(b) rather
(c) so
(d) yet

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

(a) commotion
(b) games
(c) judgement
(d) turbulence

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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