SSC MTS 8th July 2022 Shift-2

English Language

1. Select the most appropriate option to fill in the blank. The Mid-Day Meal Programme has been running _____ 21 years.

- **A** for
- B Off
- **C** since
- **D** of

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Answer: A
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2. Select the option that can be used as a one-word substitute for the given group of words. Not fit to eat

	Not fit to eat
A	Sullen
В	Potable
С	Inedible
D	Fragile
	nswer: C
	. Select the option that can be used as a one-word substitute for the given group of words.
	A lar <mark>ge gr</mark> oup of people, especially the nomadic
A	Cavalry
В	Urban

С

D Hamlet

Horde

Answer: C

- 4. Select the correctly spelt word.
- A Innoculete
- **B** Inoculate
- C Inocculate
- **D** Innoculate

Answer: B

- 5. Select the most appropriate meaning of the given idiom. Water under the bridge
- A Something which happens all the time
- **B** Something that does not affect the past
- C Anything from the past that is not significant or important anymore
- **D** A problem which has been existing and will continue to exist in the future

Answer: C

- 6. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Rivers / has being of primary / importance throughout / human history.
- A Rivers
- **B** human history
- **C** has being of primary
- **D** importance throughout

Answer: C

- Select the most appropriate meaning of the underlined idiom.
 Ron added a <u>feather in his cap</u> by winning that international tournament.
- **A** To feel well and healthy
- **B** An achievement to be proud of
- **C** To take advantage of one's position
- D An expression of extreme annoyance

Answer: B

- 8. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. In spite of hardly work / she was not able / to pass the exam.
- A In spite of hardly work
- B No error
- C to pass the exam
- D she was not able

Answer: A

9. Select the most appropriate option to fill in the blank.He came back from the game, took a _____ shower and was ready for the evening.

A fast

- B clean
- **c** heavy
- **D** quick

- 10. Select the option that can be used as a one-word substitute for the given group of words. An action of making amends for a wrong or injury
- A Atonement
- **B** Redemption
- **C** Rite
- **D** Perjury

Answer: A

- 11. Select the most appropriate synonym of the given word. Intervene
- A Embody
- **B** Combine
- C Coalesce
- **D** Arbitrate
- Answer: D
- 12. Select the most appropriate synonym of the given word. Sinister
- A Pertinent
- **B** Saintly
- **C** Pleasant
- D Evil

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Answer: D
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- 13. Select the option that rectifies the incorrectly spelt words in the given sentence. They have legitimete grounds to engagge users.
- A They have legetimate grounds to engag users.
- **B** They have legitimete grounds to engaege users.
- **C** They have legitimate grounds to engage users.
- **D** They have legitamate grounds to engage users.

- Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.
 Despite not getting approval from the leader, we decided to <u>carry out</u> the plan.
- A carry over
- B carry away
- C carry off
- D No improvement required

15. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

In my experience, the press gallery are more concern to public affairs than private ones.

- A is more concerned with
- **B** No improvement required
- **C** is much more concerned of
- **D** are much concern for

Answer: A

16. Select the most appropriate ANTONYM of the given word. Abate

- A Moderate
- **B** Observe
- C Aggravate
- **D** Decrease
 - Answer: C
- 17. Select the most appropriate ANTONYM of the given word. Obvious
- A Hidden
- **B** Plain
- C Vapid
- **D** Active

Answer: A

- 18. Select the option that can be used as a one-word substitute for the given group of words. Animals that live in water
- A Nocturnal
- **B** Aerial
- **C** Terrestrial
- **D** Aquatic

- 19. Select the most appropriate ANTONYM of the underlined word in the given sentence. Many died in captivity and many suffered appalling <u>brutality</u>.
- A ferocity
- B cruelty
 C sensuality
 D gentleness
 Answer: D
 - 20. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. The use of calculators is prohibited in the examination.
- A is prohibited in
- B No error
- C The use of calculators
- **D** the examination

Answer: B

Instructions [21 - 25]

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

Comprehension:

Endurance was the three-masted ship in (1) _____ Sir Ernest Shackleton and a (2) _____ of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) _____ in 1912 from Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4) _____ bought by Shackleton in January 1914 for the expedition, which would be her first (5) _____.

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

- A which
- B who

- c that
- **D** where **Answer:** A
 - 22. Select the most appropriate option to fill in blank number 2.
- A watch
- **B** team
- **C** crew
- D group
 - Answer: C
 - 23. Select the most appropriate option to fill in blank number 3.

Α	released
В	launched
С	started
D	recovered
ŀ	Answer: B
24	4. Sel <mark>ect th</mark> e most appropriate option to fill in blank number 4.
A	were
В	was
С	is
D	are
ŀ	Answer: B
2	5. Select the most appropriate option to fill in blank number 5.
A	voyage
В	route
С	drive
D	hike
ŀ	Answer: A

General Intelligence and Reasoning

- 26. Select the number that can replace the question mark (?) in the following series. 42, 38, 80, 118, 198, 316, ?
- **A** 486
- **B** 506
- **C** 514
- **D** 494

Answer: C

- 27. Eight boys A, B, C, D, E, F, G and H are sitting around a square table, facing towards the centre(but not necessarily in the same order). Two boys are sitting on each side. G and C are sitting on the same side. E is sitting opposite to G and E is to the immediate right of B. F and H are sitting on the adjacent side of G and C. F and H are sitting on the same side. H is fourth to the left of B. D is not the immediate neighbour of G. Which of the following pairs of boys represent the boys sitting on the same side of the square table?
- A AC
 B HD
 C BD
 D BA
 Answer: D
 28. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. TRO : QMN :: BLA : ?
- A YHZ
- B XGZ
- C XHG
- D YGZ

- 29. The weight of seven boys B1, B2, B3, B4, B5, B6 and B7 are compared. The weight of no two boys is the same. The weight of B4 is less than only three boys. The weight of B1 is more than B7. The weight of B2 is the most. B5 and B6 both weigh more than B1. The weight of B3 is less than that of B7. How many boys weigh less than B1?
- **A** 4
- **B** 3
- **C** 1
- -
- **D** 2

Answer: D

Answer: D

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



Answer: A

- 31. In a certain code language, 'nu vu du' is written as 'Time and Money', 'hu du ru' is written as 'Manage Money Judiciously', and 'tu vu lu' is written as 'Save More Time'. What is the code for 'Save More Money' in that code language?
- A du nu lu
- B nu tu du
- C tu lu du
- D tu vu du

Answer: C

32. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. KING : HFKD :: FRKM : ?

- A CLHJ
- B CLHK
- С СОНК
- D COHJ
 - Answer: D
 - 33. Select the option in which the given figure is embedded. (Rotation is not allowed)





34. In a certain code language, 'TORQ' is coded as '210', and 'HARN' is coded as '123'. How will 'PADM' be coded in that code language?

- **A** 94
- **B** 112
- **C** 102
- **D** 86

Answer: C

35. The sequence of folding a piece of paper and the mam1er in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?







36. 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:

No car is a bench.
All tables are cars.
Conclusions:
Some cars are tables.

II. No bench is a table.

- **B** All the conclusions follow
- C Only conclusions I and III follow
- D Only conclusions I and II follow

Answer: C

37. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. XJ, AG, DD, GA, ?

ļ
2

- 38. Select the option in which the numbers are related in the same way as are the numbers in the given set. (18, 400, 484)
- **A** (20, 400, 576)
- **B** (14, 256, 400)
- C (22, 400, 324)
- **D** (24, 676, 784)

Answer: D

- 39. Five people, J, N, P, R and S are sitting in a straight row, facing the North, but not necessarily in the same order. Only N sits between J and S. S sits to the immediate left of P. J sits to the immediate right of R. Who sits at the second position from the left end?
- A S
- **B** J
- C P

D R

Answer: B

- 40. 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 the fourth term is related to the third term. U144 : S121 :: N100 : L81 :: G64 : ?
- **A** E49
- **B** G49
- **C** F36
- **D** D30

Answer: A

41. Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation is not allowed).



42. In a certain code language, 'MISTER' is coded as '925301','UNCLE' is coded as '84670', and 'SEN' is coded as '504'. How will 'MISTIC' be coded in that language?

- **A** 936571
- **B** 925326
- **C** 876523
- **D** 367829

Answer: B

- 43. 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:
 - I. All Crax are Chips. II. All Drinks are Chips. Conclusions: I. Some Drinks are not Crax. II. All Chips are Crax.
- A Only conclusion I follows
- **B** Neither conclusion I nor II follows
- C Both conclusions I and II follow
- D Only conclusion II follows

Answer: B

- 44. Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set. (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 /deleting /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) (46, 138, 414)
- **A** (38, 114, 342)
- **B** (42, 126, 504)
- **C** (52, 156, 624)
- **D** (56, 224, 896)
 - Answer: A

45. In a certain code language, 'HAIR' is written as 'SJBI', 'POLE' is written as 'FMPQ'. How will 'MANY' be written in that language?

- A ZOBM
- B ZPBN
- C ZOCN
- D ZOBN
 - Answer: D

- 46. Which two numbers (not digits) and two signs need to be interchanged to make the given equation correct? $28 \times 4 + 15 \div 8 34 = 388$
- A \times and \div ; 28 and 8
- **B** + and ÷; 4 and 34
- ${f C}~-$ and $\times;$ 15 and 28
- \mathbf{D} + and \times ; 15 and 8

Answer: A

47. Select the figure from the options that can replace the question mark (?) and complete the pattern.



48. After interchanging the given two signs + and - and two numbers 6 and 25, what will be the value of the given expression? $4-6 \div 5 \times 25 + 14$

Α	5
В	10

- **C** 20
- **D** 15

- 49. Select the option that will replace the question mark (?) in the given series. 11, 16, 26, 41, 61, ?
- A 76
 B 91
 C 86
 D 81
 Answer: C
 - 50. Select the figure from among the given options that can replace the question mark (?) in the following series.





Numerical Aptitude

51. The length of the conuuon chord of two circles of radii 18 cm and 16 cm is 19.2 cm. What is the distance between the centres of the two circles? [Give your answer correct to the nearest integer value.]



52. Study the given table and answer the question that follows. The table below shows the number of cricket bats made by five workers on six days of a particular week.

Day →	Monday	Tuesday	Wednesday	Thursday	Fuiday	Caturday	
<mark>Worke</mark> r↓	Monday		wednesday	Inurstay	r riday -	Saturday	
А	90	70	110	85	75	60	
В	40	65	70	82	90	95	
С	100	95	74	80	63	60	
D	40	40	50	45	60	30	
Е	54	65	32	48	85	96	

In how many days is the number of bats made by C more than the average number of bats made by A per day?

A 3

- **B** 4
- **C** 2
- **D** 1

Answer: C

53. The length and the breadth of a rectangular cardboard are 40 cm and 35 cm, respectively. If the biggest possible square is cut out from this cardboard, what is the area of the remaining pan of the cardboard?

A 175 cm²

- **B** 275 cm²
- **C** 425 cm²
- **D** 325 cm²
 - Answer: A
 - 54. If the HCF of two numbers (each greater than 17) be 17 and the LCM be 561, then fmd the sum of the numbers.
- **A** 387
- **B** 238
- **C** 268
- **D** 340
 - Answer: B
- 55. Shubham bought a book from Meesho at ₹500. Meesho also charged an additional ₹25 for packaging and ₹50 for delivering the book. For what amount should Shubham sell his book to make a profit of 16%?
- A ₹667
 B ₹612
 C ₹783
 D ₹458
 Answer: A
- 56. The average weight of 17 smdents of a class is 56 kg. 3 new smdents whose weights are 57, 62 and 68 kg, respectively, join the class. Find the new average weight of the smdents of the class.
- **A** 56.45 kg
- **B** 56.95 kg
- **C** 58.05 kg
- **D** 57.65 kg

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Answer: B
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- 57. J can complete a work in 21 days, K can complete it in 42 days and L can complete it in 63 days. If J, Kand L work together, in how many days can they complete the work?
- **A** 1111
- **B** 1111
- **c** 1111
- 1111
- **D** 1111
 - Answer: D

5	i8. If $A=rac{3 imes4+2}{6\div3+2}$ and $B=rac{12\div6 imes2}{8\div4-3}$, then what is the value of A^2+B^2-2AB ?
Α	72.25
B	52.25
С	42.25
D	56.25
1	Answer: D
5	i9. If m : n = 5 : 4 then what is the value of $(m^2+n^2):(m^2-n^2)$?
Α	16:9
В	25:9
С	32 : 5
D	41:9
	Answer: D
6	0. A sum of money is distributed among A, B and C in the ratio 8 : 4 -: 3. If A divides his pait between D and E in the ratio 9 : 7, then what is the ratio of the share of C to that of D?
A	
B	3:4
С	2:3
D	6 : 7
	Answer: C
6	1. The average age of 3 girls is 24 years and their ages are in the proponion of 7 : 8 : 9. What is the age of the eldest girl?
Α	24 years
B	25 years
С	21 years
D	27 years
	Answer: D
6	2 . Find the sum of managements in which must be invested at simple interact for 0 menths at 6% new approximits order to some Ξ 250 as

62. Find the sum of money which must be invested at simple interest for 8 months at 6% per annum in order to earn ₹250 as interest.

A ₹6,550

- **B** ₹6,225
- **C** ₹7,250
- **D** ₹6,250

- 63. The cash difference between the selling prices of an article at a profit of 8% and at a loss of 4% is ₹54. Find the cost price of the article.
- **A** ₹720
- **B** ₹450
- **C** ₹540
- **D** ₹480

Answer: B

64. A celtain number of idemical spheres are formed by melting a large sphere of radius 28 cm. What is the number of small spheres formed if the surface area of each small sphere is 2464 cm²? [Use $\pi = \frac{22}{7}$]

Α	8						
B	9						
С	6		329		N		
D	7						
A	nswe	er: A	and a second sec				

- 65. The marked price of a laptop is ₹65,000. The laptop is sold at a discount of 20%. If a profit of 30% is made through the sale, then what is the cost price of the laptop?
- **A** ₹50,000
- **B** ₹45,000
- **C** ₹48,000
- **D** ₹40,000

Answer: D

66. The following bar chart shows the number of computers sold by a shop in 6 consecutive months.



What is the average number of computers sold per month during this period? [Round off your answer to the nearest integer value.]



- 67. In a city 60% of the population are males and the rest are females. If the ratio of mai-ried males to non-married males is 5 : 7, and the ratio of married females to non-married females is 2: 3, then what percentage of the total population is married?
- **A** 41%
- **B** 59%
- **C** 51%
- **D** 49%

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Answer: A
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- 68. The simple interest on a sum of money invested for a period of IO years is equal to $\frac{4}{5}$ th of the sum invested. What is the rate of sin1ple interest per annum that is being given?
- **A** 9%
- **B** 8.5%
- **C** 10%
- **D** 8%
 - Answer: D

- 69. A_1 alone can complete a piece of work in 14 days, A_2 alone can complete the same work in 21 days, while A_3 alone can complete the same work in 28 days. The three worked together, completed the work, and received a total payment of ₹1,040 for doing the work. What is A_2 's share in the total payment received?
- **A** ₹240
- **B** ₹480
- **C** ₹320
- **D** ₹400
 - Answer: C
- 70. Ravi buys 5 pens at ₹ 150 each, 2 pencils at ₹ 1 00 each, and 3 notebooks at ₹250 each. What is the average expenditure incurred by Ravi per article?

Α	₹180
B	₹160
С	₹170
D	₹165
4	Answer: C
7	1. Points A and B are 200 km apart. A person stans from A at 10 a.m. at a speed of 10 km/h and goes towards B. Another person stans from B at 11 a m at a speed of 20 km/h and goes towards A. At what time will they meet?
	stans nom B at TT a.m. at a speed of 20 km/n and goes towards A. At what time win they meet:
Α	5:10 p.m.
В	4:40 p.m.
С	5:40 p.m.
D	5:20 p.m.
4	Answer: D
7:	2. A boat can travel in still water at 7 km/h and the speed of the stream is 3 km/h. Find the total tin1e (in hours) taken by the boat to travel 60 km upstream and remrn to the starting point.
Α	20
В	15
С	21
D	16

- 73. The length of a rectangle is increased by $16\frac{2}{3}\%$. By what approximate percentage should its breadth be decreased so that the area of the rectangle remains unchanged?
- **A** 17.5%
- **B** 14.29%
- **C** 10%
- **D** 12.5%

Answer: B

74. Study the given pie-cha11 and answer the question that follows.

The pie-chart shows the percentage-wise distribution of teachers in a district who teach six different subjects as percentages of the total number of teachers of all the subjects taken together.



Total number of teachers = 2500

What is the ratio of the number of teachers who teach English to the number of teachers who teach Chemistry?

- **A** 3:2
- **B** 23:18
- **C** 24 : 23
- **D** 13:20

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Answer: C
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- 75. Select the number that will come in place of the question mark (?) in the mathematical statement. $(0.064)^{123} \div 0.16^{47} \times 0.4^{34} \times 0.4^{29} = (0.4)^?$
- **A** 350
- **B** 320
- **C** 338
- **D** 341

General Awareness

- 76. Which schedule of the Indian Constitution has provisions related to the Union list?
- A Fourth schedule
- B Ninth schedule
- C Seventh schedule
- **D** Tenth schedule

- 77. Sarai Nurmahal is a centrally protected monument of India. It is situated in which state of India?
- A Uttar Pradesh

В	West Bengal					
С	Punjab					
D	Himachal Pradesh					
7	Answer: C					
Α	two					
В	three Carlos Contractions of the Contraction of the					
С	five					
D	four					
F	Inswer: A					
79	9. Which of the following diseas <mark>es is caused by the prolonged deficiency</mark> of vitamin D?					
Α	Rickets					
В	Chickenpox					
С	Scurvy					
D	Marasmus					
L	Inswer: A					

- 80. The Deccan plateau lies to the south of which of the following rivers?
- A Narmada

- B Krishna
- **C** Kaveri
- D Penna

Answer: A

- 81. Ravikirti was a court poet of which Chalukya ruler?
- A Bhima II
- B Pulakeshin II
- C Vikramaditya II
- D Kirtivarman II

Answer: B

- 82. Which article of the Indian Constitution states that 'No person shall be prosecuted and punished for the same offence more than once'?
- A Article 18
- B Article 28
- **C** Article 20
- D Article 21A Answer: C



- A Hunger strike to settle disputes between the mill owners and the workers
- **B** Individual princes could sign a separate agreement with the British
- **C** Hunter Commission was appointed by the British Government
- Popularisation of Charkha and Khadi and Jail Bharo by Congress volunteers
 Answer: C
- 84. Pandit Kishan Maharaj was associated with which instrument?
- A Santoor
- B Dholak
- C Tabla
- D Sitar

Answer: C

85. What is the approximate atomic mass (u) of hydrogen?

Α	12
В	4
С	1
D	14
ŀ	Answer: C

86. What is the atomic number of chromium?

Α	24
В	18
С	21
D	19
A	Answer: A
8	7. In which city, Prime Minister Narendra Modi launched the Ayushman Bharat Health Infrastructure Mission?
Α	Kanpur
В	Lucknow
С	Noida
D	Varanasi
P	Answer: D
88	8. In which year did the Mughal emperor Aurangzeb die?

- **A** 1707
- **B** 1701
- **C** 1705
- **D** 1703
 - Answer: A

89. _____ is the deepest landlocked and well-protected port in India.

- A Kandla port
- B Vishakhapatnam port
- **C** Tuticorin port
- Mumbai port
 - Answer: B

- 90. Radha Sridhar received the Sangeet Natak Akademi Award for the year 2018 for her contribution to which classical dance of India?
- A Kathak dance
- **B** Kuchipudi
- C Sattriya
- D Bharatanatyam

- 91. Who was appointed as the Chief Economic Advisor to the Government of India in January 2022?
- A S Ramakrishnan
- B Krishnamurthy Subramanian
- C Raghuram Rajan
- **D** V Anantha Nageswaran

Answer: D

- 92. Which of the following statements is correct? I. Most of Ashoka's inscriptions were written in Brahmi script. II. Many of Chanakya's ideas were written down in a book called the Arthashastra.
- A Only II
- B Only I
- C Neither I nor II
- D Both I and II
 - Answer: D
 - 93. Which of the following states does the dance form 'Kalbelia' belong to?
- A Uttarakhand
- B Punjab
- **C** Rajasthan
- D Odisha

Answer: C

94. In which state of India is the Yaoshang festival celebrated?

- A Uttar Pradesh
- **B** Manipur
- **C** Rajasthan
- D Tamil Nadu

Answer: B

95. As per census 2011, which of the following is the most spoken language of India?

- A Hindi
- **B** Marathi
- C English



- 97. Which of the following bases is found in window cleaner?
- A Magnesium hydroxide
- **B** Ammonium hydroxide
- **C** Sodium hydroxide
- D Calcium hydroxide
 - Answer: B
- 98. David Warner played for which team in IPL 2022?
- A Sunrisers Hyderabad
- B Royal Challengers Bangalore
- C Delhi Capitals

Punjab Kings

Answer: C

- 99. According to the 2011 Census, which of the following has the second highest sex ratio in India?
- A Tamil Nadu
- B Kerala
- **C** Puducherry
- **D** Maharashtra

- 100. Who is the author of the book 'Roads to Mussoorie'?
- A Kiran Desai

