## SSC MTS 12th July 2022 Shift-1

## English Language

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

Have a whale of a time

A Be extremely busy with work
B A good thing that seems bad at first
C Have an exceptionally fun or exciting experience
D Immediate involvement of everyone present
Answer: C
2. 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.

Public agencies and nonprofit conservation groups is already working to promote conservation.

A groups is already working
B Public agencies and nonprofit conservation
C to promote conservation
D No error
Answer: A
3. 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 thing about anger is that it can either been a helpful emotion or a discouraging one.

A a helpful emotion or a discouraging one
B The thing about anger
C No error

D is that it can either been
Answer: D
4. Select the option that can be used as a one-word substitute for the given group of words.

A person exhibiting excessive worry about one's health

A Intellectual

B Hypochondriac
C Megalomaniac
D Expert
Answer: B
5. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.
I work hardly too earn bread and butter for my family.

A work hardest too

B work hard to

C No improvement required

D works hardly to

## Answer: B

6. 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.
I was at a party / with some off my / friends in Mumbai.

A friends in Mumbai

B with some off my
C No error

D I was at a party

## Answer: B

7. Select the most appropriate meaning of the given idiom. Crocodile tears

A Hopeless situation
B Totally different
C False tears
D Of less worth
Answer: C
8. Select the option that corrects the misspelt words in the given sentence.

A baloon may liave the earth with a charg.

A A balloon may leave the earth with a charge.

B A ballon may leave the earth with a chargge.

C A balloon may live the earth with a charrge.
D A ballun may leave the earth with a charge.
Answer: A
9. Select the most appropriate ANTONYM of the given word. Moil

A Cultivate

B Grow

C Discourage
D Work
Answer: C
10. Select the correctly spelt word.

A Innability

B Inabilty

C Inability
D Inablity
Answer: C
11. Select the most appropriate ANTONYM of the given word. Obedient

A Compliant
B Submissive

C Cheery

D Resistant

## Answer: D

12. Select the most appropriate synonym of the given word. Intricate

A Basic

B Complicated

C Painted

D Developed

## Answer: B

13. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
A better plan is to going and has a lavish dinner at a fine restaurant.

A is to go and have

B No substitution required
C is to gone and have

D was to going and have
Answer: A
14. Select the option that can be used as a one-word substitute for the given group of words.

One who feeds on human flesh

A Cannibal

B Hedonist

C Stoic

D Samaritan

## Answer: A

15. Select the most appropriate synonym of the underlined word. All branded shoes are priced extravagantly.

A Modestly
B Economically
C Expensively
D Meagerly
Answer: C
16. Select the most appropriate option to fill in the blank. It's $\qquad$ too late to start your own business.

A never

B no

C neither

D nor
Answer: A
17. Select the most appropriate option to fill in the blank. It was impossible $\qquad$ guess what he was doing.

A to

B at
C on

D of
Answer: A

## 18. Select the most appropriate ANTONYM of the given word. Evident

A Obvious

B Indistinct

C Stubborn

D Irritable

## Answer: B

19. Select the option that can be used as a one-word substitute for the given group of words. A person who believes in or tries to bring about a state of lawlessness

A Ephemeral

B Deluge

C Gazette

D Anarchist

## Answer: D

20. Select the most appropriate option to fill in the blank. The sudden death of our uncle was $\qquad$ for all of us.

A tragic


B fragile

C gentle

D dissuasive
Answer: A

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.

Nitrogen is essential to life (1) $\qquad$ Earth. It is a component of all proteins, and it can be (2) $\qquad$ in all living systems. Nitrogen compounds are (3) $\qquad$ in organic materials, foods, fertilisers, explosives and poisons. Nitrogen is crucial to life, (4) $\qquad$ in excess it can also be (5) $\qquad$ to the environment.
21. Select the most appropriate option to fill in blank no. 1.

A at

B into

C on

D in
Answer: C

A founder

B find
C founded
D found
Answer: D
23. Select the most appropriate option to fill in blank no. 3.

A function
B instant
C immediate

D present
Answer: D
24. Select the most appropriate option to fill in blank no. 4.

A such
B because

C but
D if
Answer: C
25. Select the most appropriate option to fill in blank no. 5 .

A harmful
B pliable
C optimistic
D rational
Answer: A

## General Intelligence and Reasoning

26. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
(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)
$2: 6:: 4: 60:: 7:$ ?

A 600

B 105

C 201

D 336
Answer: D
27. Six girls, Pooja, Qimat, Reeti, Shweta, Tejaswini and Vineeta, are sitting around a circular table. All of them are facing towards the centre of the table (but not necessarily in the same order). Tejaswini is the immediate neighbour of Vineeta and Reeti. Pooja is to the immediate left of Vineeta. Qimat is fourth to the right of Pooja. Shweta is to the immediate left of Pooja. Who is sitting to the immediate left of Shweta?

A Tejaswini

B Pooja
C Qimat
D Reeti
Answer: C
28. $P, Q, R, S$ and $T$ are five students who scored different marks in an examination. Only two people scored more $P$ than but less than S. Q scored the highest marks. T scored more marks than R. Who got the 4th highest marks

A P

B Q

C R

D S

## Answer: B

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



B


Answer: C
30. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

A

| 0 | 0 |
| :--- | :--- |
| 0 | 0 |

B


C


00
D


## Answer: D

31. Six persons are sitting in two straight rows, facing north. Their names are Farhan, Utkarsh, Yugal, Krishna, Chaman and Manish. Farhan and Manish are sitting at diagonally opposite ends. Utkarsh is in the top row and to the immediate right of Farhan. Krishna is second to the left of Manish while Yugal and Krishna are not in the same row. Who is sitting at the diagonally opposite end to Yugal?

A Manish

B Krishna

C Utkarsh

D Chaman
Answer: B
32. After interchanging which two signs will the value of the given expression be ' 356 '?
$133+49-16 \div 2 \times 34$

A + and -

B - and :

C $\times$ and +

D $\div$ and $\times$
Answer: A
33. 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.
PAN : SCP :: HOP : ?

A KQR

B KRQ
C KSQ

D KQS
Answer: A
34. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. ROM, URJ, XUG, AXD, ?

A DAA

B DAD

C DAB

D DBA
Answer: A
35. 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.
TREE : RTEE :: KEEP : EKPE :: SOLO :?

A OOSL

B OLSO
c OSOL
D LOSO
Answer: C

36. 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 /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.)
$(3,6,18)(5,7,35)$

A $(8,13,94)$
B $(7,12,74)$
C $(8,12,86)$
D $(6,14,84)$

## Answer: D

37. In a certain code language, 'Here we go west' is written as '8 649 ', 'West and east best' is written as '4 @ \# pr' and 'East direction sun' is written as ' $\# \mathrm{jt} \mathrm{qm}$ '. Which one of the following is the possible code for 'direction east' in that code language?

A @ jt

B qm it

C 4 qm
D \# qm
Answer: D
38. 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 pets are birds.
All birds are mats.
Conclusions:
I. All mats are birds.
II. Some mats are pets.

A Only conclusion II follows.
B Neither conclusion I nor II follows.

C Both conclusions I and II follow.

D Only conclusion I follows.
Answer: A
39. Select the option in which the given figure is embedded as its part (rotation is NOT allowed).


A


B



D


Answer: B
40. Select the figure from among the given options that can replace the question mark(?) in the following series.


A


B


C


D


Answer: D


A


B


C


D


Answer: A
42. In a certain code language, 'IFSP' is written as 'JHTR' and 'MPWF' is written as 'NRXH'. How will 'TOAD' be written in that language?

A UQCE

B UQBF

C UQCF

D UPBF
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:

No plate is a spoon.
Some plates are forks.
All forks are knives.
Conclusions:
I. Some plates are knives is a possibility.
II. No spoon is a fork.

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: A

44. D 2 is related to H 6 in a certain way. In the same way, L 11 is related to $P 15$. To which of the following is $T 18$ related following the same logic?

A Z 22

B $\times 22$

C Y 22

D W 22
Answer: B
45. Which two signs need to be interchanged to make the following equation correct?

$$
9+3-4 \div 5 \times 2=9
$$

A - and $\times$

B + and $\times$

C + and :

D - and +
Answer: C
46. Select the number from among the given options that can replace the question mark (?) in the following series. 728, 717, 695, 662, 618, ?

A 564

B 561

C 563

## Answer: C

47. In a certain code language, 'ANAEMIA' is written as 'AOAENIA', 'AQUEOUS' is written as 'ARUEOUT', and 'LIVELY' is written as 'MIWEMZ'. How will 'EUGENIA' be written in that language?

A EUHEOJA
B FVGFNJB

C EUHEOIA

D FUGFNJB
Answer: C
48. In a certain code language, 'POR' is coded as ' 52 ' and 'AND' is coded as ' 22 '. How will 'VXB' be coded in that language?

A 51

B 49

C 48

D 52
Answer: A
49. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
(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) 12 : 20 :: 8 : 12 :: 34 :?

A 52

B 64

C 48

D 56
Answer: B
50. Select the figure from among the given options that can replace the question mark (?) in the following series.


A


B


C


D


Answer: A

## Numerical Aptitude

51. Vishal sells a bag at a profit of $40 \%$. If Vishal's profit is $₹ 880$, then what is the cost price of the bag?

A ₹ 2,000

B ₹ 2,450
C ₹ 1,900
D ₹ 2,200
Answer: D
52. A 900 metre long train crosses a 1200 metres long platform completely in 70 seconds. What is the speed of the train?

A $117 \mathrm{~km} / \mathrm{h}$

B $108 \mathrm{~km} / \mathrm{h}$

C $99 \mathrm{~km} / \mathrm{h}$
D $\quad 90 \mathrm{~km} / \mathrm{h}$
Answer: B
53. $₹ 12,000$ is lent for one year at the rate of $15 \%$ per annum, the interest being compounded annually. If the compounding of the interest is done half- yearly, then how much more interest will be obtained at the end of the one-year period on the same initial sum?

A ₹72.5

B ₹82.8

C ₹ 60.5
D ₹67.5
Answer: D
54. A 480 m long train takes 16 seconds to pass a pole. How long will it take to pass a platform that is $\mathbf{9 0 0} \mathrm{m}$ long?

A 47 seconds
B 45 seconds
C 46 seconds

D 48 seconds
Answer: C
55. If $₹ 1,000$ is divided into three parts in the ratio $2: 3: 5$, find the value of the smallest part.

A ₹100

B ₹300

C ₹200

D ₹400

## Answer: C

56. Ishita can read a newspaper in ' n ' minutes. What part of the newspaper can she read in 7 minutes? ( $n>7$ )

A $\quad \begin{array}{r}n \\ \hline\end{array}$

B $7 n^{2}$

C $7 n$
D $\quad{ }_{n}^{7}$
Answer: D
57. There are two numbers such that the first number is four times of the second number. If their average is 65 , then what is the second number?

A 26

B 14
C 24

D 28
Answer: A
58. Find the value of $p$, when $p=(5 \div 6)$ of $54-40 \div 10-41-22$

A -11

B -22

C -18
D - 23

## Answer: B

59. The base of a triangle is 16 cm and its area is $144 \mathrm{~cm}^{2}$. Find its corresponding height, with respect to the given base.

A 18 cm

B 9 cm

C 24 cm

D $\quad 12 \mathrm{~cm}$
Answer: A
60. A train moves at a speed of $35 \mathrm{~km} / \mathrm{h}$ for the first 2 hours and at a speed of $50 \mathrm{~km} / \mathrm{h}$ for the next 4 hours. Find the average speed of the train during the entire journey.

A $47 \mathrm{~km} / \mathrm{h}$
B $50 \mathrm{~km} / \mathrm{h}$
C $45 \mathrm{~km} / \mathrm{h}$

D $35 \mathrm{~km} / \mathrm{h}$
Answer: C
61. The bar chart given below shows the exports (in ₹ 000 ) and imports (in $₹ 000$ ) of a country for 5 consecutive years.


What is the positive difference in the total export figures of all the five years taken together and the total import figures of all the five years taken together?

A ₹ $6,20,000$

B ₹ $5,40,000$

C ₹ $5,80,000$

D ₹6,60,000

## Answer: D

62. The following pie chart shows the sectors representing the shares of the number of electric buses manufactured in each of 7 different colours in a given year in terms of the central angles (in degrees) with respect to the total number of buses manufactured during that year of all the 7 colours taken together.


What is the difference in the percentage shares of buses of C4 and C6? [Give your answer correct to 2 decimal places.]

A 11.11\%

B 8.33\%

C 9.09\%

D $12.5 \%$

## Answer: B

63. The selling prices of two articles are equal. If the first article is sold at a profit of $20 \%$ and the second article is sold at a loss of $20 \%$, what will be the overall loss percentage?

A $4 \%$

B 3.5\%

C $2.5 \%$
D $2 \%$
Answer: A
64. The table below gives the ranks secured by five different students in three different subjects in a qualifying examination:

| Subject $\rightarrow$ |  | Maths | Physics |
| :---: | :---: | :---: | :---: |
| Students $\downarrow$ | Chemistry |  |  |
| A | 12 | 22 | 14 |
| B | 15 | 21 | 15 |
| C | 3 | 15 | 22 |
| D | 14 | 24 | 1 |
| E | 18 | 13 | 2 |

Find the positive difference between the ranks secured by A in Physics and in Maths.

A 25

B 10
C 15

D 20
Answer: B
65. Rachit invests ₹ 12,000 for a 2 -year period at a certain rate of simple interest per annum. Prasad invests ₹ 12,000 for a 2-year period at the same rate of interest per annum as Rachit, but in Prasad's case the interest is compounded annually. Find the rate of interest per annum if Prasad receives ₹ 172.80 more as interest than Rachit at the end of the 2-year period.

A $10 \%$

B $8 \%$

C $12 \%$
D $5 \%$
Answer: C
66. What is the value of $\stackrel{5}{12} \times{ }_{12}^{7} \div\left(\begin{array}{c}1 \\ 75\end{array}+{ }_{12}\right.$ of $\left.f_{25}^{36}\right)+\stackrel{4}{5} \times{ }_{16}^{75}$

A ${ }_{1105}$

B $\quad 4675$
1104
C $\quad \begin{array}{r}2565 \\ \end{array}$

D $\quad$| 9255 |
| :--- |

Answer: D
67. If the population of a town is 12,000 and the population increases at the rate of $10 \%$ per annum, then find the population after 3 years.

A 15,972

B $\mathbf{1 2 , 2 0 0}$

C 11,200

D 10,200

## Answer: A

68. If $16: X:: X 196$, find the positive value of $x$ ?

A 60
B 62

C 56

D 64
Answer: C
69. 80 liters of a mixture of alcohol and water contains $60 \%$ alcohol. If ' X ' liters of water is added to this mixture, then the percentage of alcohol in the new mixture becomes $40 \%$. What is the value of $X$ ?

A 20

B 80
C 40

D 60
Answer: C
70. The length, the breadth, and the height of a cuboid are $40 \mathrm{~cm}, 20 \mathrm{~cm}$ and 10 cm , respectively. What is the volume of this cuboid?

A $16000 \mathrm{~cm}^{3}$
B $8000 \mathrm{~cm}^{3}$
C $2000 \mathrm{~cm}^{3}$
D $4000 \mathrm{~cm}^{3}$

## Answer: B

71. Akshay has 30 articles, each having the same cost price. He marked the price of each article at $30 \%$ above its cost price. He sold 15 of the articles at a discount of $20 \%$ each, and the remaining 15 articles at a discount of $10 \%$ each, thereby gaining a total profit of $₹ 630$. What was the cost price of each article?

A ₹240
B ₹180

C ₹280
D ₹200

## Answer: D

72. Bobby and Billy can complete a job in 28 days and $\mathbf{2 0}$ days, respectively. They work together for $\mathbf{5}$ days, after which Billy leaves the job. In how many days did Bobby alone complete the rest of the job?

A 15 days
B 20 days
C 12 days
D 16 days
Answer: D
73. What is the value of $[7+14 \times 8+(5 \div 15 \times 6-4 \times 3)]$ ?

A -4
B -2
C -6
D -5
Answer: C
74. The volume of a cone is $27720 \mathrm{~cm}^{3}$. If the height of the cone is 20 cm , then what will be the area of the base?

A $4158 \mathrm{~cm}^{2}$

B $4272 \mathrm{~cm}^{2}$

C $4626 \mathrm{~cm}^{2}$
D $4836 \mathrm{~cm}^{2}$
Answer: A
75. In an office of 900 employees, on a particular day, except for $10 \%$ of the female employees, all employees were present. On the next day, except for $8 \%$ of the male employees, all employees were present. The number of employees present on each of these two days was the same. Find the total number of male employees on the payrolls of this office.

A 550
B 450
C 800

D 500
Answer: D

## General Awareness

76. Tanjore Balasaraswati was known for which classical dance form?

A Bihu
B Bharatanatyam
C Manipuri
D Odissi
Answer: B
77. Which of the following persons won the 'Best Female Debut' Award at the 2021 Paralympic Sports Awards 2021?

A Deepa Malik
B Bhavinaben Patel
C Avani Lekhara
D Mirabai Chanu
Answer: C
78. Which of the following rivers forms the largest river system of Rajasthan?

A Krishna
B Narmada
C Tapi
D Luni
Answer: D
79. In human beings, the small intestine is coiled and is about $\qquad$ metres long.

A 1 to 1.5
B 3 to 3.5

C 2 to 2.5
D 7 to 7.5
Answer: D
80. Who among the following was the first athlete to represent India in fencing at the Tokyo Olympics 2020?

A Aditi Ashok

B PT Usha

C Bhavani Devi

D PV Sindhu
Answer: C
81. A form of financial service which provides small loans and other financial services to poor and low-income households is called $\qquad$ _.

A microfinance

B commercial mortgage

C invoice financing

D personal finance
Answer: A
82. Which of the following are also called the amphibians of the plant kingdom?

A Pteridophytes
B Thallophytes

C Angiosperms

D Bryophytes

## Answer: D

83. Buddha attained enlightenment at $\qquad$ -

A Varanasi

B Bodh Gaya

C Kusinara

D Pataliputra
Answer: B
84. 'Unfinished: A Memoir' is the autobiography of $\qquad$ -.

A Priyanka Chopra Jonas
B Deepika Padukone

C Kareena Kapoor
D Alia Bhatt

## Answer: A

85. Which of the following festivals is celebrated when the annual harvest takes place in Assam?

A Lohri

B Pongal
C Magh Bihu
D Makaravilakku

## Answer: C

86. Which of the following is considered to be the fifth state of matter?

A Bose-Einstein condensate

B Plasma
C Solid

D Gas
Answer: A
87. Which of the following peninsular rivers has the largest drainage basin?

A Godavari

B Mahanadi
C Narmada
D Krishna
Answer: A
88. A type of unemployment in rural areas when people are not able to find jobs during some months of the year is called $\qquad$ —.

A educated unemployment
B disguised unemployment
C frictional unemployment
D seasonal unemployment
Answer: D
$\qquad$ .

A 1496

B 1498

C 1495

D 1497
Answer: B
90. Who among the following addressed the Indian National congress as its President in 1887 ?

A Balgangadhar Tilak
B Badruddin Tyabji
C WC Bannerji
D Dadabhai Naoroji
Answer: B
91. Which team lost to Dabang Delhi KC in the finals of the Pro Kabbadi League season 8 ?

A Puneri Paltan


D UP Yoddha
Answer: B
92. Soilless agriculture is called $\qquad$ -

A hydroponics
B shifting agriculture
C dry farming
D pastoral farming
Answer: A
93. Which Article of the Indian Constitution enshrines the Right against Exploitation?

A Article 23

B Article 21
C Article 25

D Article 22
Answer: A
94. What does 'Chaitya' in Buddhist architecture refer to?

A Buddha relic

B Prayer hall
C Residence

D Monastery
Answer: B
95. As per Census 2011, what is the Total Fertility Rate (an approximate range) in India?

A $3.1-3.9$

B 2.1-2.9

C 5.1-5.9
D 4.1-4.9
Answer: B
96. Who among the following is a famous Sitar player?

A Ustad Rehman Khan
B Kishan Maharaj
C Ali Ahmad Hussain
D Anoushka Shankar
Answer: D
97. As per the Constitution of India, the President of India shall hold office for a term of $\qquad$ from the date on which he enters upon his office.

A four years
B six years
C three years
D five years
Answer: D
98. Mohiniyattam is a classical dance form of which Indian state?

A Andhra Pradesh
B Kerala
C Tamil Nadu

D Assam

## Answer: B

99. Which Chola ruler built the Brihadeshwara Temple at Tanjore?

A Rajaraja I
B Rajendra I
C Vijayalaya
D Rajendra III
Answer: A
100. Which state of India has set up District Investment Promotion Agencies (DIPA)?

A Karnataka


D West Bengal
Answer: C

