## SSC MTS 5th July 2022 Shift-3

## English Language

1. 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'.

Gel ingredients work well on waved, curled, relax and texture hair in the long run.

A relaxed and textured

B No substitution required
C relaxed and texturing

D relaxing and textured
Answer: A
2. Select the most appropriate option to fill in the blank.

Tickets for the event are available $\qquad$ the door; there is no advance booking.

A at

B in
C of

D to

## Answer: A

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

The kids have been pestering me to buy them new toys.

A pacifying
B perturbing
C bugging
D tormenting
Answer: A
4. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

I knew very little Spanish when I came here, but I have been learning and can now make myself understood.

A when I come here, however

B upon arriving here, since
C No improvement required
D as soon as I came here, but
Answer: C
5. Select the option that can be used as a one-word substitute for the given group of words.

A book or paper written by hand

A Edition

B Periodical

C Manuscript
D Paperback
Answer: C
6. Select the option that can be used as a one-word substitute for the given group of words.

One who dies for a noble cause

A Martyr

B Heretic

C Butcher

D Narcissist

## Answer: A

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

I am trying to finding an investor from abroad.

A trying too find

B trying to find

C No improvement required

D try to find

## Answer: B

8. Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

Seeds of mustard plants give us oil, and the leave are used as a vegetable.

A Seeds of

B as a vegetable

C leave are used

D give us oil
Answer: C
9. 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.

Aid workers have delivered vast quantities of food on the refugee camps.

A No error

B vast quantities of food

C on the refugee camps

D Aid workers have delivered
Answer: C
10. Select the most appropriate ANTONYM of the given word. Flabby

A Long

B Plump

C Firm

D Stretched
Answer:
11. Select the most appropriate meaning of the given idiom. Tricks of the trade

A A particular profession

B A trick to deceive
C Special skills or knowledge

D An easy task
Answer: C
12. Select the most appropriate synonym of the given word.

Occlude

A facilitate

B promote

C Abstain

D Obstruct
Answer: D
13. Select the correctly spelt word.

A Imigrant
B Chauvinist
C Contemperary
D Cosmopoliton

## Answer: B

14. 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.

Sometimes I act / like a fool, and she has / to step into save me.

A Sometimes I act
B like a fool and she has

C No error

D to step into save me
Answer: D
15. Select the most appropriate synonym of the given word.

## Malign

A Approve

B Benefit
C Besmirch
D Commend
Answer: C
16. Select the most appropriate option to fill in the blank.

One of the children stood at the door to $\qquad$ if he saw the apparitor coming, who was an officer of the spiritual court.

A give notice

B give advice
C give thought
D give a hand

## Answer: A

17. Select the most appropriate meaning of the given idiom. In a nutshell

A Extremely pale

B Very briefly
C Under protection
D Without delay
Answer: B
18. Select the option that can be used as a one-word substitute for the given group of words. A place where government records are kept

A Cloakroom

B Cache

C Hangar

D Archive
Answer: D
19. Select the most appropriate ANTONYM of the given word. Upgrade

A Advance

B Lean

C Demote


D Elevate
Answer: C
0. Select the correctly spelt word.

A Bezarre

B Infatuaition

C Fortiunate

D Perfection

## Answer: D

## 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.

A group of researchers has (1) $\qquad$ that pleasure and positive states of mind are better for our health. This new intellectual approach to health is not only more powerful, but also has no side effects. Central to this claim are recent findings that even getting an education may add as much as 10 years to your (2) $\qquad$ That is why National Geographic featured John de Rosen in its book The Incredible Machine, which discussed old age. De Rosen, an artist, continued to paint until the week he died at age 91. The book notes: "Some scientists believe that retirement to a (3) $\qquad$ lifestyle initiates or aggravates medical problems, thus shortening life. According to a study of retired people, adults over 65 can learn a $\qquad$ skill, like oil painting, as readily as younger students." So retiring from a job
in a sense means retiring from life unless (5) $\qquad$ by some other, preferably new activity.
21. Select the most appropriate option to fill in blank number 1.

A administrated
B orchestrated

C defenestrated

D demonstrated

## Answer: D

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

A insurance

B charisma

C planet
D Life
Answer: D
23. Select the most appropriate option to fill in blank number 3 .

A complimentary

B sanitary

C sedentary


D segmentary
Answer: C
24. Select the most appropriate option to fill in blank number 4.

A native
B creative

C discriminative

D exaggerative

## Answer: B

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

A ornamented

B pigmented
C supplemented
D experimented
Answer: C

## General Intelligence and Reasoning

26. After interchanging which two numbers (not digits) will the value of the given expression be ' 81 '? $798+27-719 \div 6 \times 5$

A 5 and 27

B 27 and 6

C 798 and 719

D 6 and 5
Answer: C
27. Select the figure from the given options that can replace the question mark (?) and complete the pattern.


A


B


C


D


Answer: C
28. 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. No blue is white.
II. No black is blue.

Conclusions:
I. All whites are blacks.
II. No blue is black.
III. Some whites are not blues.

A All the conclusions follow

B Only conclusions I and II follow

C Only conclusions II and III follow

D None of the conclusions follow

## Answer: C

29. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
97 : 2 :: 63 :? :: 74 : 3

A 9

B 7

C 3

D 5
Answer: C
30. In a certain code language, '471' means 'Hair is White', '726' means 'White Her Cow', and '639' means 'Cow gives Milk'. What is the code for 'Her' in that language?

A 7

B 1

C 4

D 2
Answer: D
31. Select the figure from among the given options that can replace the question mark (?) in the following series.


A


B


C


D


Answer: A

32. Seven boys $A, B, C, D, E, F$ and $G$ are sitting in a row, facing towards the north (not necessarily in the same order). $E$ is at one of the ends. $A$ is fifth to the left of $E$. $B$ is not the immediate neighbour of $A$ or $E$. C is third to the left of $B$. Only $D$ is sitting between A and B. Only two boys are sitting between D and F. Which of the following statements is/are correct?
$I$. $G$ is to the immediate left of $D$.
II. $A$ and $B$ are the neighbours of $D$.

A Only II

B Only I
C Both I and II

D Neither I nor II
Answer: A
33. In a certain code language, 'ROBST' is written as 'QPYLO' and 'POLAR' is written as 'OXILM'. How will 'GUJRT' be written in that code language?

A QOGDR

B QOGRD

D QOHGD

## Answer: B

34. What will be the value of the given expression if ' $A$ ' means ' + ', ' $B$ ' means ' - ', ' $C$ ' means ' $\times$ ', and ' $D$ ' means ' $\div$ '? $35 A 25 B 12 C 25 D 5$

A 5

B 0

C 10

D 2
Answer: B
35. In a certain code language, if YELLOW is written as BLUE, BLUE is written as RED, RED is written as GREEN, GREEN is written as WHITE and WHITE is written as ORANGE, then in the same code language, what is the colour of human blood?

A ORANGE

B WHITE

C RED

D GREEN
Answer: D
36. Identify the number that does NOT belong to the following series.
$47,51,57,65,69,76,83$

A 57

B 51

C 83
D 76

## Answer: D

37. In a certain code language, 'GAMBLE' is coded as ' 864321 ', and 'PLAY' is coded as ' 7265 '. How will 'LAMB' be coded in that language?

A 6234
B 6243

C 2634

D 2643
Answer: D
38. Six girls G1, G2, G3, G4, G5 and G6 are sitting in a row, facing towards the east (but not necessarily in the same order). Two girls are sitting between G6 and G4. G6 is sitting at one of the ends. G1 is second to the right of G6. G2 is third to the left of G3. How many girls are sitting between G3 and G2?

A Three

B Four

C Two
D One
Answer: C
39. The sequence of folding a piece of paper and the manner in which the folded paper is cut is shown in the fo llowing figures. How would this paper look when unfolded?


A


B


C


D


Answer: D
40. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. RIN, TFR, VCV, ?, ZWD

A ZZZ
B YZA

C YZZ

D XZZ
Answer: D
41. Select the option in which the two numbers are related in the same way as are the numbers in the given number-pair.

382 : 283 ::?

A 784:847
B 564:465
C 962:629
D 384:843
Answer: B
42. The percentage of marks obtained by seven girls $\mathrm{G} 1, \mathrm{G} 2, \mathrm{G} 3, \mathrm{G4}, \mathrm{G} 5, \mathrm{G} 6$ and G 7 in a class are compared. All the girls have obtained different percentages of marks. $\mathbf{G 4}$ has the lowest percentage. G 3 has a higher percentage than $\mathrm{G5}$, but less than G 1 . The percentage of G 6 is less than G 2 . G 7 has the highest percentage. G 1 has a percentage greater than only three girls.

Who has the third lowest percentage?

A G1
B G4
C G3
D G7
Answer: C
43. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.
WXY72 : ZAB29 :: CDE12 : FGH21 :: IJK30 : ?

A MNO39
B MNO40

C LMN29

D LMN39
Answer: D
44. Select the correct 1 nirror image of the given figure when the mirror is placed at $A B$ as shown.


A


B


C


D


Answer: A
45. 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.
PIG : MNZ :: ROL : ?

A OSF

C OTF

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


A


B


C


D


Answer: A
47. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letterclusters.
CRO : FUR :: ?

A MIP : PLT

B FMG: HPJ
C LAP: ODT
D TCS: WFV
Answer: D
48. Identify the number that does NOT belong to the following series.
$147,293,587,1173,2346,4693$

A 293

B 1173
C 2346
D 4693
Answer: C
49. 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 T are Q.
II. No $M$ is $T$.

Conclusions:
I. No T is M .
II. Some Q are not M .

A Only conclusion I follows
B Neither conclusion I nor II follows
C Only conclusion II follows
D Both conclusions I and II follow

## Answer: D

50. Select the option in which the given figure is embedded. (Rotation is not allowed).


A


B


C


D


Answer: C

## Numerical Aptitude

51. The length and the breadih of a rectangle are 12 cm and 6 cm , respectively. What is the area of the rectangle?

A $144 \mathrm{~cm}^{2}$
B $72 \mathrm{~cm}^{2}$
C $56 \mathrm{~cm}^{2}$
D $96 \mathrm{~cm}^{2}$
Answer: B
52. If $P: Q=4: 5$ and $P: R=2: 3$, then what is $3 P: 4 Q: 5 R$ ?

A $6: 10: 15$
B 4:9:11
C 8:12:17
D 3:5:7
Answer: A
53. The following pie cha.t1 gives the measures of tile central angles of the sectors that reflect tile number of beds in each of 7 different hospitals with respect to the total number of beds in these 7 hospitals taken together.


If the number of beds in H 7 are 39, then what is tile total number of beds in all the 7 hospitals taken together?

A 720
B 540

C 450

D 630
Answer: B
54. What is the value of $\quad 0.6 \times 0.5 \div 0.3 \quad$ ?


A $\quad 10$

B $\quad \begin{gathered}11 \\ 6\end{gathered}$

C $\quad$| 7 |
| :--- |

D $\quad \begin{gathered}13 \\ 6\end{gathered}$
Answer: B
55. The following bar chart shows the exports (in $₹^{\prime} 0000$ ) of an item from a country for 5 consecutive years.


What is the average value of the export of that item from the given country per year?

A ₹5 96,000
B ₹ $6,32,000$

C ₹ $6,24,000$

D ₹ $6,48,000$
Answer: B
56. $S_{1}$ can do a piece of work alone in 9 days, $S_{2}$ can do the same work alone in 18 days, while $S_{3}$ can do it alone in 27 days. They work together and complete the work, and receive a total of ₹ 726 as payment for doing the work. What is the combined share of $s 2$ and $s 3$, taken together from the above amount?

A ₹270
B ₹300
C ₹330
D ₹360
Answer: C
57. An a11icle is sold at a loss of $40 \%$. The nominal amount of loss is approximately what percentage of the selling price of the a11icle?

A $66.67 \%$

B $38.33 \%$

C 41.33\%


D $51.33 \%$
Answer: A
58. A person spends $40 \%$ of his monthly income. The monthly income of the person is increased by $\mathrm{I} 5 \%$ and his expenditure is decreased by $22 \%$. What is the approximate percentage increase in his savings?

A $40 \%$

B $44 \%$
C $32 \%$

D $36 \%$

## Answer: A

59. A container contains a mixture of two liquids, $A$ and $B$, in the proponion $7: 5$. If 9 liters of the m.ixmre is replaced by 9 liters of liquid $B$, then the ratio of the two liquids becomes $7: 9$. How much of liquid $A$ was there in the container initially?

A 21 liters

B 35 liters

D 19 liters

## Answer: A

60. Kil1i invested a sum of money at a ce11ain ra te of simple interest per annum for 3 years in "Bacha! scheme". Had she invested the same sum in "Shiksha scheme" for 3 years which bas a $2 \%$ higher simple interest rate per annum, the investment would have fetched ₹ 540 more. How much did Ki11i invest?

A ₹ 9,500

B ₹9,000

C ₹7,000

D ₹ 8,000

## Answer: B

61. smn of money becomes two times of itself in 8 years at simple interest, and it becomes four times of itself in 2 years at compound interest, when interest is compounded annually. Find the ratio of the rate of simple interest to the rate of compound interest offered per year.

A 2:3

B $3: 5$

C 5:3

D 1:8
Answer: D
62. A smaller circle touches a bigger circle internally and also passes through the center ' 0 ' of the bigger circle. If the area of the smaller circle is $192 \mathrm{~cm}^{2}$, the area of the bigger circle (in $\mathrm{cm}^{2}$ ) is:

A 768

B 384

C 1024

D 720

## Answer: A

63. The HCF and the LCM of two numbers are 5 and 120 , respectively. If the sum of the two m 1 mbers is 55 , then the sum of the reciprocals of these two numbers is equal to:

A $\quad \begin{array}{r}55 \\ 601\end{array}$

B $\begin{array}{r}11 \\ 120\end{array}$

C $\begin{gathered}120 \\ 11\end{gathered}$
601
D 55
Answer: B
64. Ranveer bought a computer paying $25 \%$ less than the list price and sold it to his neighbour at a $40 \%$ profit on his purchase cost. The profit percentage earned by Ranveer on the list price of the computer is:

A 10\%

B 7.5\%

C $6.67 \%$

D 5\%
Answer: D
65. A thief escapes from a police sta tion at 8:00 a.111. on a cycle at a speed of $50 \mathrm{~km} / \mathrm{h}$. A policeman sta11s chasing the thief on a motorbike at $9: 30 \mathrm{a} .111$. at the speed of $65 \mathrm{~km} / \mathrm{h}$. At what distance from the police station will the policeman catch up with the thief?

A 335 km
B 310 km

C 325 km

D 300 km
Answer: C
66. and $B$ leave from point Mat the same time towards point $N$. $B$ reaches $N$ and stru1S towards $M$ instantly. He meets $A$ at point $O$ (between $M$ and $N$ ). The distance between $M$ and $N$ is 245 km . If the speeds of $A$ and $B$ are $26 \mathrm{~km} / \mathrm{h}$ and $65 \mathrm{~km} / \mathrm{h}$, respectively, then what is the distance between O and N ?

A 115 km
B 105 km
C 95 km
D 140 km
Answer: B
67. What .1.s the value of $\left[\left\{\left(\begin{array}{c}3 \\ 7 \\ \text { of } \\ 12 \\ 12\end{array} \mathbf{N}_{2}^{1}\right)+{ }_{2}^{11}-{ }_{2}^{1} \times{ }_{5}^{4}\right\}+{ }_{5}^{6} \times{ }_{18}^{25}\right]$ ?

A $\quad \begin{array}{r}156 \\ 257\end{array}$

B $\quad 391$
210
C $\quad 395$

392

D

## Answer: B

68. Ranbir bought a car at a $50 \%$ discount on the cost price of the car. Had he got a $60 \%$ discount, he would have spent ₹ $1,00,000$ less. Calculate the cost price of the car?

A ₹15 lakhs

B ₹20 lakhs
C ₹18 lakhs
D ₹10 lakhs

## Answer: D

69. $B$ is $10 \%$ more than $A C$ is $20 \%$ less than $A$. $B$ is what percentage more than $C$ ?

A $45 \%$

B $27.5 \%$

C $37.5 \%$
D $25 \%$
Answer: C
70. The average of six consecutive odd numbers is 26 . Find the difference between the largest and the smallest of these numbers.

A 8

B 16

C 10

D 2
Answer: C
71. The following table shows the number of pens and the number of erasers of 6 different colours that were sold from a stationery store during a given week.

| Colours | Pens | Erasers |
| :---: | :---: | :---: |
| C1 | 20 | 15 |
| C2 | 24 | 21 |
| C3 | 40 | 12 |
| C4 | 22 | 18 |
| C5 | 26 | 27 |
| C6 | 36 | 33 |

The total number of erasers having colours C3 or C4 is approximately what percentage of the average number of pens of each colour?

A $119.16 \%$

B $107.14 \%$

C $115.22 \%$
D $101.24 \%$

## Answer: B

72. $A$ and $B$ can together complete a piece of work in 18 days, $B$ and $C$ can together complete the same work in 24 days and $A$ and C can together complete it in 36 days. In how many days can $A, B$ and $C$, working together, complete this piece of work?

A 19
B 16
C 20

D 14
Answer: B
73. Rohit purchased 12 kg of oranges for a total price oH 480 and 18 kg of guavas at BO per kg . What is the per kg average cost of the fru its purchased by Ro hit?

A ₹36.00

B ₹34.00
C $₹ 37.00$
D ₹38.20
Answer: B

74. Find the curved surface area of a solid cylinder whose radius of base is $\mathbf{1 4} \mathbf{~ c m}$ and volume is $7392 \mathrm{~cm}^{3}$. [Use $\pi={ }^{22}$ 7]

A $1840 \mathrm{~cm}^{3}$

B $1056 \mathrm{~cm}^{3}$
C $1081 \mathrm{~cm}^{3}$

D $996 \mathrm{~cm}^{3}$

## Answer: B

75. If $K^{2}: M:: M: 16$, then what is the value of $\left(K^{2}+2 M^{2}\right):\left(K^{2}+M^{2}\right)$ ?

A 1:1

B $33: 17$

C 17:16
D $32: 17$
Answer: B

## General Awareness

76. Debashish Panda was recently appointed as the chief of:

A SEBI
B IL\&FS
C IRDAI

D ICAR
Answer: C
77. Which of the following is an autobiography of Barack Obama?

A Chronicles
B Dreams from my Father: A Story of Race and Inheritance
C Matters of Discretion
D The Test of my life
Answer: B
78. The climatic conditions of thorn forests and scrubs are the most ideal for which of the following plant species?

A Rosewood
B Teak

C Juniper
D Euphorbia
Answer: D
79. Which of the following teams scored the highest runs in an innings in IPL till 2021?

A Chennai Super Kings
B Mumbai Indians
C Kolkata Knight Riders
D Royal Challengers Bangalore
Answer: D
80. Which Indian boxer won a bronze medal in the middleweight division in boxing at the 2008 Beijing Olympics?

A Vijender Singh

B Mary Kom

C Akhil Kumar

D Jitender Kumar
Answer: A
81. What is the approximate amount to be mobilised for the National Highways Network expansion as per the Union Budget 202223?

A ₹15,000 crore

B ₹ 10,000 crore

C ₹25,000 crore
D ₹20,000 crore
Answer: D
82. Rural Employment Generation Programme (REGP) was launched in $\qquad$ .

A 1995

B 1990

C 1999

D 1992
Answer: A
83. Yamini Krishnamurthy is known for which classical dance form?

A Bharatanatyam and Kuchipudi
B Manipuri and Odissi

C Mohiniyattam and Manipuri

D Kuchipudi and Mohiniyattam
Answer: A
84. During the tenure of Cholas, land given to the maintenance of educational institutions is called $\qquad$ -

A Barhmadeya
B Shalabhoga
C Vellanvagai

D Devdan
Answer: B
85. Who among the following is/was NOT a tabla player?

A Kishan Maharaj
B Zakir Hussain

C Allah Rakha

D Sheikh Chinna Moula
Answer: D
86. Consider the following statements about a fort: 1. It was originally known as Mankal. 2. It was built on a hilltop in the year 1143. In above mentioned sentences, forts is being talked about?

A Chitradurg Fort

B Daulatabad Fort

C Fort Aguada

D Golconda Fort
Answer: D
87. Who among the following persuaded Mahatma Gandhi to allow women to join the Salt Satyagraha movement?

A Kamaladevi Chattopadhyay

B Annie Besant

C Ashalata Sen

D Ambabai

## Answer: A

88. Rulers of Mahajanapadas in ancient India collected taxes on crops at the rate of $\qquad$ of what was produced.

A $1 / 3 \mathrm{rd}$

B $1 / 5$ th

C 1/6th

D 1/4th
Answer: C

A Kerala

B Tamil Nadu

C Assam

D Manipur
Answer: B
90. Which of the following does NOT belong to Arthropoda group of animal kingdom?

A Butterfly

B Cockroach

C Octopus
D Spider
Answer: C
91. Which of the following statements about Veda Samaj is correct?
I. It was established in Madras in 1864.
II. It worked to abolish caste distinctions and promote widow remarriage and women's education.

A Neither I nor II

B Only II

C Both I and II
D Only I

## Answer: C

92. The amount of work done in moving a charge of 4 C across two points having a potential difference of 6 V is $\qquad$ -

A 48 J

B 12 J
C 36 J
D 24J

## Answer: D

93. Which of the following enzymes is found in saliva of human body which breaks down starch into simple sugar?

A Amylase

B Trypsin

C Pepsin

D Renin

## Answer: A

94. $X$, aged 10 , is employed at a factory. Which of the following rights of $X$ is being violated?

A Right to Freedom of Religion
B Right against Exploitation
C Right to Equality
D Right to Freedom
Answer: B
95. Which of the following is considered to be the purest form of natural water (distilled water) free from impurities?

A Well water

B Spring water
C River water

D Rain water
Answer: B
96. According to the Indian Constitution, the Prime Minister shall be appointed by the $\qquad$ .

A Speaker of the House of the people
B President of India

C Council of Ministers
D Chief Justice of India
Answer: B
97. In which state of India is Saga Dawa or the Triple Blessed Festival celebrated?

A Karnataka

B Andhra Pradesh

C Uttar Pradesh

D Sikkim
Answer: D
98. As per the Census 2011, what was the literacy rate of Kerala? (Provide an approximate range.)

A $91-95 \%$

80-85\%

C $96-100 \%$

D 86-90\%
Answer: A
99. As notified in March 2022, the Government of India has revised wage rates under the Mahatma Gandhi National Rural Employment Guarantee Scheme in most states including $\qquad$ _.

A Assam
B Mizoram
C Manipur
D Tripura
Answer: A
100. In which of the following countries is Jhumming known as 'Conuco'?

A Vietnam

B The US
C Venezuela


D Madagascar
Answer: C

