

MSCWB

Previous Year Paper

Sub Overseer
07 May, 2023 Shift 1





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Date of Exam : 07.05.2023, Session 11.00 AM – 01.00 PM

SOKI

ANSWER KEY

1. Which of the following disease is not water-borne?

Correct Option:
Influenza

2. Scurvy can be prevented by the intake of

Correct Option:
Vitamin C

3. Which of the following is termed as good cholesterol?

Correct Option:
HDL

4. Which of the following is commonly called a 'polyamide'?

Correct Option:
Nylon

5. Plaster of Paris is made from

Correct Option:
Gypsum

6. Which gas leaked in Bhopal gas tragedy?

Correct Option:
Methyl isocyanate

7. A rocket works on the principle of conservation of

Correct Option:
linear momentum

8. Terrace farming is widely practised in

Correct Option:
Mountain areas

9. India's first atomic power station was set up

Correct Option:
Tarapur

10. Days and nights are equal throughout the globe when the Sun is above

Correct Option:
Equator

11. The Indus Valley Civilization belongs to the

Correct Option:
Neolithic Age

12. 'Dahi-Handi' is an official sport in

Correct Option:
Maharashtra

ANSWER KEY

SOKI

13. A new campaign titled 'Vigil Aunty' associated with

Correct Option:
Banking

14. 'World Sanskrit Day' is celebrated annually on the occasion of

Correct Option:
Shraavana Poornima

15. Silent Valley National Park located in

Correct Option:
Kerala

16. Imoinu Eratpa Festival is celebrated in

Correct Option:
Manipur

17. Which of the following states wins World Habitat Award, 2023?

Correct Option:
Odisha

18. 'Good Governance Day' is devoted to former Prime Minister:

Correct Option:
Atal Bihari Vajpayee

19. 'Param Pravega' is a

Correct Option:
Super Computer

20. What is the theme of India's G-20 Presidency 2023?

Correct Option:
Vasudhaiva Kutumbakam : One Earth, One Family, One Future

21. Which dance form has been nominated by the Government of India to be inscribed as UNESCO's intangible cultural heritage list?

Correct Option:
Garba

22. Who among the following has won the 'Best Actress Award' at the Indian Film Festival of Melbourne (IFFM) 2022?

Correct Option:
Shefali Shah

23. Most of the Chola temples were dedicated to

Correct Option:
Shiva

24. The revolutionary who was associated with the Indian Independence League was

Correct Option:
Rash Behari Bose

SOKI

ANSWER KEY

25. 'Tahqiq-i-Hind' was written by
Correct Option:
Alberuni
26. The Second Battle of Tarain took place in
Correct Option:
1192 A.D.
27. Babar laid the foundation of Mughal empire in 1526 by defeating
Correct Option:
Ibrahim Lodi
28. Sher Shah died in
Correct Option:
1545 A.D.
29. Which state shares its international border with Bangladesh and Myanmar?
Correct Option:
Tripura
30. Which one of the following crops is not cultivated under dryland farming?
Correct Option:
Sugarcane
31. The northern upland of the Karnataka plateau is known as by which of the following names?
Correct Option:
Malnad
32. Which is the largest southernmost single island in India?
Correct Option:
Great Nicobar Island
33. The transport route connecting the Kashmir from Leh crosses the high mountain ranges at the
Correct Option:
Zojila Pass
34. Bagalihar river project is built on which of the following rivers?
Correct Option:
Chenab
35. The substance used as a moderator in nuclear reactor is
Correct Option:
Heavy water
36. Which is produced at cathode during electrolysis of dilute aqueous solution of NaCl?
Correct Option :
H₂

ANSWER KEY

SOKI

37. The stage of mitosis has the longest duration—

Correct Option:
Prophase

38. The sister-chromatids move apart from each other towards the opposite poles during

Correct Option:
Anaphase

39. Which of the following is correctly matched?

Correct Option:
Nagarjuna Sagar — Krishna river

40. The southernmost point of India is

Correct Option:
Indira Point

41. The idiom 'to bury the hatchet' means

Correct Option:
to cease enmity

42. The word 'immaculate' means

Correct Option:
faultless

43. The antonym of 'chastity' is

Correct Option:
lewdness

44. The synonym of the word 'prolific' is

Correct Option:
fertile

45. The idiom 'at stake' means

Correct Option:
in danger

46. A person disreputably renowned is called

Correct Option:
notorious

47. Anything smaller than average is known as

Correct Option:
diminutive

48. The synonym of 'veracity' is

Correct Option:
truthfulness

Please Turn Over

SOKI

ANSWER KEY

49. A plot of ground for building on is known as

Correct Option:
site

50. One who is reserved in speech is called

Correct Option:
reticent

51. The antonym of 'vigilant' is

Correct Option:
neglectful

52. The synonym of 'indolence' is

Correct Option:
laziness

53. The idiom 'to blow one's own trumpet' means to

Correct Option:
boast

54. Maligning a religion is called

Correct Option:
blasphemy

55. The antonym of 'folly' is

Correct Option:
wisdom

56. The idiom 'at sixes and sevens' means

Correct Option:
in complete disorder

57. The synonym of 'pelf' is

Correct Option:
(D) **riches**

58. The antonym of 'mirth' is

Correct Option:
melancholy

59. The antonym of 'pachant' is

Correct Option:
dislike

60. Direction: Fill in the blank with appropriate preposition.

Please make it a point to turn _____ water tap before you go out.

Correct Option:
off

ANSWER KEY

SOKI

61. Direction: Fill in the blank with appropriate preposition.

The carnivorous always lives _____ flesh.

Correct Option:
by

62. Direction: Fill in the blank with appropriate preposition.

The ball rolled on _____ the goal line.

Correct Option:
at

63. Direction: Choose the word nearest in meaning to the given word.

Succulent

Correct Option:
Juicy

64. Direction: Choose the correct meaning of the underlined part of sentence.

She has been sitting on the books taken from the library for month.

Correct Option:
Can freely read

65. Direction: Choose the correct meaning of the underlined part of sentence.

In the new place he had to earn by the sweat of his brow.

Correct Option:
Very hard work

66. What is the meaning of parsimony?

Correct Option:

Extreme reluctance to spend money

67. What is the meaning of opprobrium?

Correct Option:

Expressing scorn or abuse

68. He is tired. Here the verb 'tired' is

Correct Option:

Intransitive Verb

69. Working hard is the key to success. Here 'working' is

Correct Option:

Gerund

70. To steal is a sin. Here 'to steal' is an example of

Correct Option:

Noun Infinitive

Please Turn Over

SOKI

ANSWER KEY

71. If $a=b=c=999$, the value of $a^3+b^3+c^3-3abc$ is

Correct Option:
0

72. If $(2x-y):(3x+2y)=2:5$, then $x:y$ equals to

Correct Option:
9 : 4

73. The surface area of a sphere is 9856 sq. cm. Its radius is

Correct Option:
28 cm

74. A man can row 16 km/hr in downstream and 8 km/hr in upstream. The speed of the boat in still water is

Correct Option:
12 km/hr

75. G is the centroid of $\triangle ABC$. If $AG=BC$, the measure of $\angle BGC$ is

Correct Option:
 90°

76. If $\tan 32^\circ \cdot \tan 58^\circ = \tan (A - 15^\circ)$, the minimum positive value of A is

Correct Option:
 60°

77. The amount on ₹ 1,25,000 for 1 year at 6% p.a. compounded in every 4 months, is

Correct Option:
₹ 1,32,651

78. If $x^4 + x^{-4} = 2$, the value of $x^{16} + x^{-16}$ is

Correct Option:
2

79. A number is increased by 10%, then decreased by 10%. If the difference between the original and the new number be 20, the original number is

Correct Option:
2000

80. If $\frac{x}{y+z} = \frac{y}{z+x} = \frac{z}{x+y}$, then the value of each ratio which is an integer, must be

Correct Option:
-1

ANSWER KEY

SOKI

81. P and Q are two points on AB and AC respectively of $\triangle ABC$ such that $AP = 3$ cm, $PB = 6$ cm, $AQ = 5$ cm and $QC = 10$ cm. If $BC = k.PQ$, then the value of k is

Correct Option:
3

82. If $\frac{\cos^4 \alpha}{\cos^2 \beta} + \frac{\sin^4 \alpha}{\sin^2 \beta} = 1$, the value of $\frac{\cos^4 \beta}{\cos^2 \alpha} + \frac{\sin^4 \beta}{\sin^2 \alpha}$ is

Correct Option:
1

83. If $2x + \frac{1}{3x} = 4$, the value of $27x^3 + \frac{1}{8x^3}$ is

Correct Option:
189

84. The H.C.F. and L.C.M. of two numbers x and y are 7 and 105 respectively. If $x + y = 49$, the value of $\frac{1}{x} + \frac{1}{y}$ will be

Correct Option:
 $\frac{1}{15}$

85. Two numbers are respectively 20% and 50% more than a 3rd number. The percentage of 2nd with respect to 1st is

Correct Option:
125%

86. In a test, A scored 10% more than B and B scored 5% more than C . If C scored 300 marks out of 400, then A 's marks is

Correct Option:
360

87. One type of liquid contains 20% water and the second type of liquid contains 35% water. A glass is filled with 10 parts of the first liquid and 4 parts of second liquid. The percentage of water in the new mixture in the glass is

Correct Option:
 $24\frac{2}{7}\%$

88. A shopkeeper sells a badminton racket at 15% discount and gives a shuttle cork of ₹ 1.50 free with it. If his profit is 20% and the marked price of the racket is ₹ 30 then the cost price of the racket is

Correct Option:
₹ 20

89. Due to the increase of population each year at the rate of 5% for the last 3 years, the present population of a town is 185220. The population of the town 3 years ago was

Correct Option:
160000

Please Turn Over

SOKI

ANSWER KEY

90. The height of a tree increases by $\frac{1}{8}$ part each year. If the present height of a tree is 64 cm., then its height after 2 years will be

Correct Option:

81 cm

91. If the compounded amount of some amount of money is ₹ 12960 in 2 years and ₹ 13176 in 3 years, then the compound interest of annually is

Correct Option:

$1\frac{2}{3}\%$

92. The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 20 km, the charge is ₹ 205 and for 25 km the charge paid is ₹ 255. The amount of fixed charge is

Correct Option:

₹ 5

93. The side of a square is equal to the length of a rectangle, also the side of the square is twice the breadth of the rectangle. If the sum of the areas of the square and rectangle is 48 sq.cm., then the length of the rectangle is

Correct Option:

6 cm

94. If the radius of a sphere is increased by 10%, then the volume will be increased by

Correct Option:

33.1%

95. $\left(1 - \frac{1}{3}\right)\left(1 - \frac{1}{4}\right)\left(1 - \frac{1}{5}\right) \dots \left(1 - \frac{1}{25}\right)$ is equal to

Correct Option:

$\frac{2}{25}$

96. How many $\frac{1}{6}$ together make $41\frac{2}{3}$?

Correct Option:

250

97. If $a = \sqrt{2} + 1$, $b = \sqrt{2} - 1$, then the value of $\frac{1}{a+1} + \frac{1}{b+1}$ is

Correct Option:

$1 - \sqrt{2}$

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By Adda247

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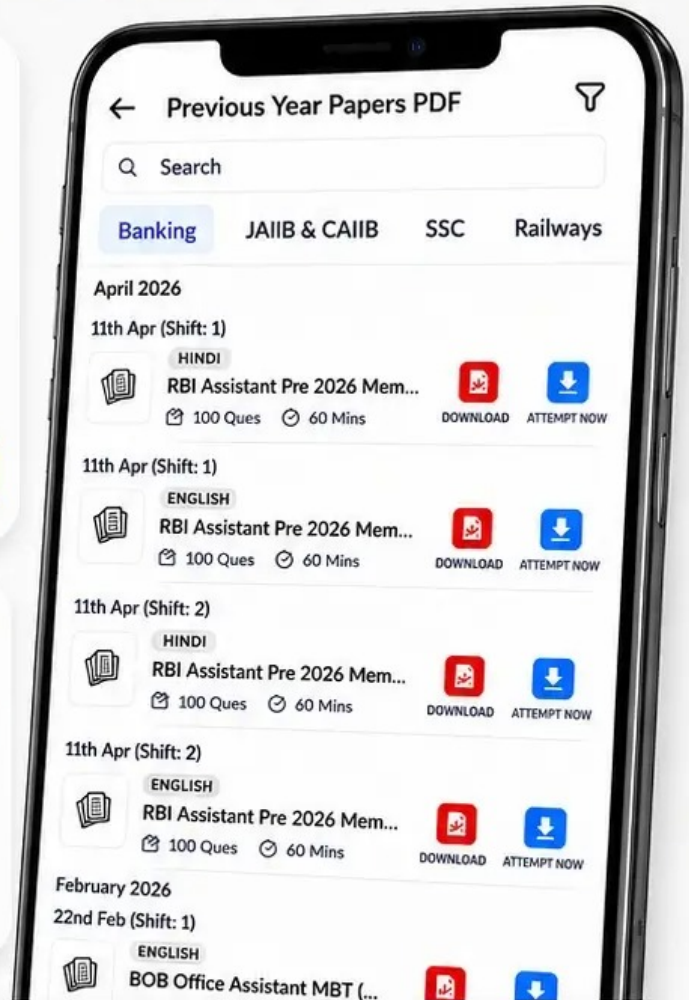
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ANSWER KEY

SOKI

98. The value of $\frac{2\frac{1}{3} - 1\frac{2}{11}}{3 + \frac{1}{3 + \frac{1}{3 + \frac{1}{3}}}}$ is

Correct Option:

(A) $\frac{38}{109}$

99. In a $\triangle ABC$, $\angle A = 90^\circ$, $\overline{BP}$ and $\overline{CQ}$ are two medians. Then the value of $\frac{\overline{BP}^2 + \overline{CQ}^2}{\overline{BC}^2}$ is

Correct Option:

$\frac{5}{4}$

100. In a $\triangle ABC$, $\frac{\overline{AB}}{\overline{AC}} = \frac{\overline{BD}}{\overline{DC}}$, $\angle B = 70^\circ$ and

 $\angle C = 50^\circ$, then $\angle BAD$ is

Correct Option:

30°