

MSCWB
Previous Year Paper
Sub Overseer
07 May, 2023 Shift 2





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Date of Exam : 07.05.2023, Session 02.00 PM – 04.00 PM

SOK2

ANSWER KEY

1. The writer of the book, 'Life's Amazing Secrets' is

Correct Option:

Gour Gopal Das

2. Which one is the 'Harvest Festival' of Tamil Nadu?

Correct Option:

Pongal

3. Where is the headquarters of Indian Red Cross Society?

Correct Option:

New Delhi

4. Who won the Best Young Player Award in FIFA World Cup 2022?

Correct Option:

Enzo Fernandez

5. When Bankim Chandra Chattopadhyay's famous novel Durgeshnandini was first published?

Correct Option:

1865

6. Who was the first President of the Paschim Bangla Akademi?

Correct Option:

Annadashankar Roy

7. Which of the following was the former name of Indira Point?

Correct Option:

Pigmalion Point

8. Which of the following is the main reason behind the earthquakes of India?

Correct Option:

Tectonic Movement

9. On June 21, the Sun is vertically overhead the following—

Correct Option:

Tropic of Cancer

10. Heliopause is the theoretical boundary beyond which

Correct Option:

solar winds cannot reach.

11. The autobiography of the 14th Dalai Lama, Tenzin Gyutso is _____.

Correct Option:

Freedom in Exile

12. Which among the following movements started with breaking the Salt Law?

Correct Option:

Civil Disobedience Movement

ANSWER KEY

SOK2

13. The capital of Chola Kingdom was
Correct Option:
Tanjore
14. First Governor-General of Bangal was
Correct Option:
Warren Hastings
15. What is 'Kalyani M4'?
Correct Option:
A Quick Reaction Fighting Vehicle
16. Which of the following has been declared as India's first 24×7 Solar Power Village?
Correct Option:
Modhera
17. The Nobel Prize in Literature for the year 2022 was awarded to
Correct Option:
Annie Ernaux
18. Who among the following has been appointed India's New Attorney General?
Correct Option:
R. Venkataramani
19. The words 'Satyameva Jayate' inscribed below the base plate of the Emblem of India are taken from
Correct Option:
Mundak Upanishad
20. 'Madhubani' is a style of folk paintings, that is popular in which state of India?
Correct Option:
Bihar
21. 'Seema Bhawani' is the name of which team of the Border Security Force (BSF)?
Correct Option:
Creek Crocodile
22. Which institution releases the 'Digital Payment Index'?
Correct Option:
Reserve Bank of India
23. The conversation between Nagasena and Menander-I related to Buddhism is recorded in which book?
Correct Option:
Milindapanho
24. 'Gnathology' is the study of which among the following?
Correct Option:
Masticatory System

Please Turn Over

SOK2

ANSWER KEY

25. Which among the following indicates Vitamin B12?

Correct Option:

Cobalamine

26. In the vedic society, the term used to denote a group of families was

Correct Option:

grama

27. Which of the following led to the introduction of English Education in India?

Correct Option:

Charter Act of 1813

28. Who was the author of Telegu Work 'Amuktamalyada'?

Correct Option:

Krishnadeva Raya

29. Which of the following states is the largest producer of coffee?

Correct Option:

Karnataka

30. Which river basin is called 'Ruhr of India'?

Correct Option:

Damodar

31. Which one of the following Union Territories of India has the highest literacy rate?

Correct Option:

Lakshadweep

32. How much heat is required to raise the temperature of 100 g water from 20°C to the boiling point of water at normal pressure?

Correct Option:

8000 cal

33. The main composition of CNG is

Correct Option:

Methane

34. The mass of positron is equal to which of the following particles?

Correct Option:

Electron

35. Which one of the following metal is used as a safety from the radioactive radiation?

Correct Option:

Lead

36. For which of the following colour, the angle of deviation for a prism is highest?

Correct Option:

Violet

ANSWER KEY

SOK2

37. In case of flowers of pea plant selected by Mendel, find which is true:

Correct Option:

Violet and axial flowers are dominant.

38. A genetic disease that is borne by an autosome is

Correct Option:

Thalassemia

39. A person who cannot identify red colour is supposed to be suffering from

Correct Option:

Protanopia

40. The process by which species adapt over time in response to their changing environment is called

Correct Option:

Evolution

41. The word *vociferous* is applied to describe a crowd which is

Correct Option:

noisy, loud, clamorous

42. A *philologist* is a

Correct Option:

linguistic scientist.

43. The French word for right-hand is *droit* which we have used to build the English word *adroit*. It means

Correct Option:

skilful

44. *Malus* in Latin is bad and *bonus* is good. The adjective of bonus is

Correct Option:

bene

45. Direction: In the following sentence or phrase a word is highlighted. From a given alternatives choose a word which has a meaning nearly similar to the given word.

She is a **spunky** kid.

Correct Option:

bold

46. Direction: In the following sentence or phrase a word is highlighted. From a given alternatives choose a word which has a meaning nearly similar to the given word.

The defeat was not only a deserved punishment, but also a **salutary** shock.

Correct Option:

mortal

47. Direction: In the following sentence or phrase a word is highlighted. From a given alternatives choose a word which has a meaning nearly similar to the given word.

After his wife's death, he had become increasingly **reclusive**.

Correct Option:

morose

Please Turn Over

SOK2

ANSWER KEY

48. Direction: Fill in the blank with given options.

He came _____ a noble family.

Correct Option:
of

49. Direction: Fill in the blank with given options.

We are intimate _____ each other.

Correct Option:
to

50. Direction: Fill in the blank with given options.

You must seek permission _____ the manager.

Correct Option:
of

51. Direction: Select the correct option for the underlined words.

He has been here for years and should know the ins and outs of the job.

Correct Option:
entries and exits

52. Direction: Select the correct option for the underlined words.

The improved tax collections are a shot in the arm for the country's economy.

Correct Option:
a close-range shot

53. A dwelling in which soldiers live

Correct Option:
cottage

54. A person who plays conjuring tricks

Correct Option:
renegade

55. A person who breaks into another's house to commit theft

Correct Option:
burglar

56. A person who has unreasoning partiality to his place or group

Correct Option:
chauvinist

57. Specialist in eye diseases

Correct Option:
Ophthalmologist

58. Direction: Choose the word closest in meaning to the opposite of the bold part of the sentence.

Her conduct in this affair was **inconsistent** with her usual politeness and gentleness.

Correct Option:
incompatible

59. Direction: Choose the word closest in meaning to the opposite of the bold part of the sentence.

The child was **reluctant** to listen to his elders.

Correct Option:
willing

ANSWER KEY

SOK2

60. Direction: Choose the word closest in meaning to the opposite of the bold part of the sentence.

We had a **rich** diet there.

Correct Option:

poor

61. Direction: Choose the word closest in meaning to the opposite of the bold part of the sentence.

Parents should not **belittle** their children.

Correct Option

flatter

62. Direction: Choose the word closest in meaning to the opposite of the bold part of the sentence.

He spoke in a **whisper**.

Correct Option:

roar

63. Direction: Find out which part has an error. If there is no mistake, the answer is no error.

Correct Option:

in bad mood

64. Direction: Find out which part has an error. If there is no mistake, the answer is no error.

Correct Option:

Lalit introduced me

65. Direction: Choose the word or phrase nearest in meaning to the given word.

Sapient

Correct Option:

Strong

66. Direction: Choose the word or phrase nearest in meaning to the given word.

Morbid

Correct Option:

Suspicious

67. Direction: Choose the correct option for the underlined phrase / idiom.

I did not notice in him anything out of the way.

Correct Option:

attractive

68. Direction: Choose the correct option for the underlined phrase / idiom.

He gained success by dint of hard work.

Correct Option:

by means of

69. Direction: Choose the correct option for the underlined phrase / idiom.

The two twin brothers are poles apart.

Correct Option:

very distant

70. Direction: Choose the correct option for the underlined phrase / idiom.

This is nothing but a fly-by-night company.

Correct Option:

operates only at night

Please Turn Over

SOK2

ANSWER KEY

71. If the compound interest on ₹ x at 5% p.a. for 2 years be ₹ 738, then the value of x is

Correct Option:

₹ 7,200

72. For real values of x and y , $x^2 + y^2 = 2(x - y - 1)$. The value of $x^2 - y^2$ is

Correct Option:

0

73. On selling an article at a certain price, a man gains 10%. On selling the same article at double the price, he would gain

Correct Option:

120%

74. A sum of money placed at compound interest doubles itself in 4 years. It will amount to 8 times itself in

Correct Option:

12 years

75. A and B can do a piece of work in 2 days, B and C can do it in 3 days, C and A in 6 days. If they work together, they will finish it in

Correct Option:

2 days

76. The simplest value of

$$\frac{1+p}{(p-q)(p-r)} + \frac{1+q}{(q-r)(q-p)} + \frac{1+r}{(r-p)(r-q)} \text{ is}$$

Correct Option:

0

77. A clock takes 6 seconds to strike the hour at 6 o'clock. To strike the hour at 11 o'clock, it will take

Correct Option:

12 seconds

78. If $x + a + 2$ be a factor of $x^2 - x - (a+2)(a+3)$, then the other factor will be

Correct Option:

$x - a - 3$

79. The least value of $2\sin^2 \theta + 3\cos^2 \theta$ is

Correct Option:

2

80. A machine costs ₹ 1,20,000. If every year it is depreciated by 11%, after 2 years its price will be

Correct Option:

₹ 95,052

81. In an examination 35% students failed in Arithmetic and 45% failed in Algebra. If 21% failed in both, the percentage of students passed in both subjects is

Correct Option:

41

ANSWER KEY

SOK2

82. If $\frac{\sin A}{1 + \cos A} + \frac{1 + \cos A}{\sin A} = k \cdot \operatorname{cosec} A$, the value of k is

Correct Option:
2

83. O is the centre of a circle. AB is a chord and AP is tangent to the circle. If $\angle AOB = p \cdot \angle PAB$, the value of p is

Correct Option:
2

84. The curved surface area of a sphere having radius R , is equal to the area of a circle of radius r . The relation between R and r is

Correct Option:
(C) $2R = r$

85. The value of $\left(999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7} \right)$ is

Correct Option:
5997

86. If $\frac{2x}{1 + \frac{1}{1 + \frac{x}{1-x}}} = 1$ then the value of x will be

Correct Option:
 $\frac{2}{3}$

87. A scored 30% marks and failed by 15 marks. B scored 40% marks and obtained 35 marks more than to pass-marks. The pass percentage is

Correct Option:
33%

88. If the numerator of a fraction be increased by 15% and its denominator be diminished by 8%, the value of the fraction is $\frac{15}{16}$. The original fraction is

Correct Option:
 $\frac{3}{4}$

89. The difference between the cost price and sell price of an article is ₹ 240. If the profit is 20%, then the selling price is

Correct Option:
₹ 1,440

90. The diameters of two circles are the side of a square and the diagonal of the square. The ratio of the areas of the smaller circle and the larger circle is

Correct Option:
1 : 2

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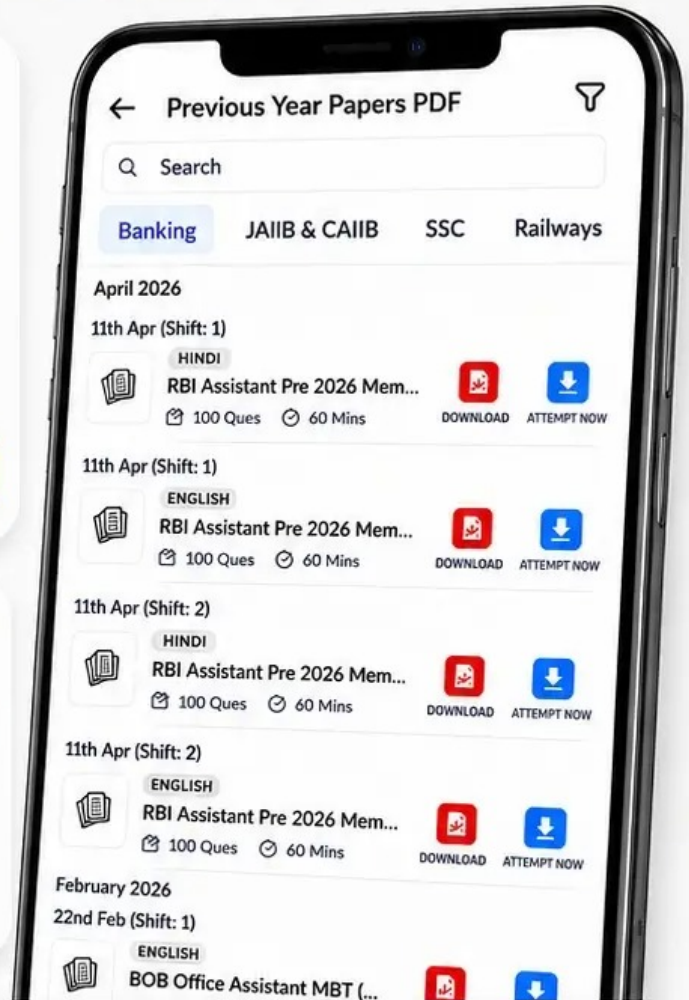
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SOK2

ANSWER KEY

91. A hemispherical basin of 150 cm diameter holds water 120 times as much as a cylindrical tube. If the height of the tube is 15 cm, then the diameter of the tube is

Correct Option:
25 cm

92. The largest possible right circular cone and largest possible sphere be fitted into two cubes of same length. If C and S denote the volume of cone and the volume of sphere respectively, then

Correct Option:
 $S = 2C$

93. In $\triangle ABC$, D and E are points on sides AB and AC , such that $DE \parallel BC$. If $AD = x$, $DB = x - 2$, $AE = x + 2$ and $EC = x - 1$, then the value of x is

Correct Option:
4

94. The sum of the interior angles of a regular polygon is twice the sum of the exterior angles of it. The number of sides of the polygon is

Correct Option:
6

95. The HCF and LCM of two numbers are 11 and 385 respectively, the numbers are

Correct Option:
(55, 77)

96. If $0.139 + 0.75 + 2.105 - 1.001 \times 1.1 = 2 - K$, then the value of K is

Correct Option:
0.1071

97. $(0.2 \times 0.2 + 0.01) (0.1 \times 0.1 + 0.02)^{-1}$ is equal to

Correct Option:
(A) $\frac{5}{3}$

98. If the average of x and $\frac{1}{x}$ ($x \neq 0$) is M , then the average of x^2 and $\frac{1}{x^2}$ is

Correct Option:
 $2M^2 - 1$

99. The time duration of 1 hr. 45 min. is what per cent of a day?

Correct Option:
7.29

100. For what value(s) of k , the equation $x^2 + 2(k - 4)x + 2k = 0$ has equal roots?

Correct Option:
8, 2