

MSCWB

Previous Year Paper

Sub Overseer

14 May, 2023 Shift 1





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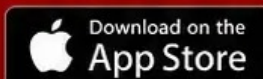


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Date of Exam : 14.05.2023, Session 11.00 AM – 01.00 PM

ANSWER KEY

SOK3

1. River Luni originates near Pushkar and drains into which one of the following?

Correct Option:

Rann of Kutch

2. The hottest planet in the solar system is

Correct Option:

Venus

3. The Men's T-20 World Cup Final 2022, was played between

Correct Option:

England and Pakistan

4. Exposure to sunlight helps a person improve his health because

Correct Option:

the ultraviolet rays convert skin oil into Vitamin D.

5. Garampani Sanctuary is located at

Correct Option:

Diphu, Assam

6. Each year World Red Cross and Red Crescent Day is celebrated on

Correct Option:

May 8

7. Who was the first Mayor of Kolkata Municipal Corporation?

Correct Option:

Chittaranjan Das

8. Dr. V. Kurien is famous in the field of

Correct Option:

dairy development

9. Who created the famous Rock Garden of Chandigarh?

Correct Option:

Nek Chand

10. On which river the Uri dam is constructed?

Correct Option:

Jhelum

Please Turn Over

SOK3

ANSWER KEY

11. LED stands for what?

Correct Option:

Light Emitting Diode

12. 'Sonzal-2022' is an annual youth festival, held in which State/UT?

Correct Option:

Jammu and Kashmir

13. Major Dhyan Chand Sports University is being established in which place?

Correct Option:

Meerut

14. When is the 'World Braille Day' observed every year?

Correct Option:

January 4

15. Nandur Madhmeshwar Bird Sanctuary is situated in which State?

Correct Option:

Maharashtra

16. 'Integrated Approach in S & T for Sustainable Future' has been declared as the theme of which special day?

Correct Option:

National Science Day

17. Which institution released the report titled 'Inequality Kills'?

Correct Option:

Oxfam

18. India's first 'Para-Badminton' academy has been set up in which city?

Correct Option:

Lucknow

19. 'Gallantry Awards', 'Jeevan Raksha Padak', 'The President's Police Medals' are usually conferred on which occasion?

Correct Option:

Republic Day

20. Which country was the host of the 2022 Winter Olympics?

Correct Option:

China

ANSWER KEY

SOK3

21. Purusha Sukta is a part of which among the following Vedas?

Correct Option:
Rig Veda

22. Which among the following places has given the earliest evidence of agriculture in Indian subcontinent?

Correct Option:
Mehrgarh

23. The 'Sunset Law' was associated with

Correct Option:
Lord Cornwallis

24. Who introduced the system of Civil Services in India?

Correct Option:
Lord Cornwallis

25. The Sikh Khalsa was founded by

Correct Option:
Guru Govind Singh

26. The moderates decided to break with the extremists in congress in the year

Correct Option:
1907 A.D.

27. The All India Muslim League was formed in 1906 at

Correct Option:
Dacca

28. Siachen Glacier is situated to the

Correct Option:
north of Nubra Valley

29. The 'Nine Digree Channel' is associated with which of the following?

Correct Option:
Lakshadweep

30. Which one of the following peaks of Himalayas is not in India?

Correct Option:
Annapurna

Please Turn Over

SOK3

ANSWER KEY

31. Tropic of Cancer does not pass through

Correct Option:

Uttar Pradesh

32. In India, which of the following coasts receives rainfall from North-East monsoon?

Correct Option:

Coromandal Coast

33. A light ray incident on a mirror with an angle 30° to the mirror surface. The angle of reflection—

Correct Option:

60°

34. The working principle of a jet plane is based on—

Correct Option:

conservation of linear momentum.

35. If water is used in barometer in place of mercury, the height of the water column will be

Correct Option:

10.34 m

36. A colloid having solid as a dispersed phase and liquid as a dispersion medium is known as

Correct Option:

sol

37. An animal hormone secreted from the posterior pituitary is

Correct Option:

ADH

38. The two hemispheres of cerebellum are connected by

Correct Option:

vermis

39. The locomotory structure of Euglena is

Correct Option:

flagella

40. This connects a muscle to a bone—

Correct Option:

tendon

ANSWER KEY

SOK3

41. An *Egotist* is a person who is

Correct Option:

boastful

42. A person with a *dishevelled* appearance is

Correct Option:

untidy

43. An *inveterate* liar

Correct Option:

lies as if it is a reflex action

44. *Sororicide* is

Correct Option:

killing of one's sister

45. The idiom 'gift of the gab' means

Correct Option:

oratory

46. To take a 'French leave' means

Correct Option:

leave without permission

47. Murder of a man is called

Correct Option:

homicide

48. The word 'carnage' means

Correct Option:

killing of many people

49. A creature living in both land and water is called

Correct Option:

amphibious

50. Incidents happening at the same time are called

Correct Option:

simultaneous

Please Turn Over

SOK3

ANSWER KEY

51. The idiom 'lion's share' means
Correct Option:
the largest part of something

52. The antonym of 'profound' is
Correct Option:
shallow

53. Stamp-collector is called a
Correct Option:
Philatelist

54. The word 'meandering' means
Correct Option:
Winding

55. Repetition of sounds is called
Correct Option:
alliteration

56. The synonym of 'deluge' is
Correct Option:
flood

57. The antonym of 'queer' is
Correct Option:
usual

58. The antonym of 'abhor' is
Correct Option:
cherish

59. The synonym of 'anomaly' is
Correct Option:
irregularity

60. The idiom 'Pros and Cons' means
Correct Option:
advantages and disadvantages

ANSWER KEY

SOK3

61. To 'do away with' means

Correct Option:

to abolish

62. The word 'cursory' means

Correct Option:

superficial

63. The antonym of 'degenerate' is

Correct Option:

progress

64. The antonym of 'bifurcate' is

Correct Option:

merge

65. 'To run amok' means

Correct Option:

to be in murderous frenzy

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

Perseverance is the key _____ success.

Correct Option:

to

67. The right to vote is called

Correct Option:

franchise

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

Credit the amount _____ my account.

Correct Option:

in

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

Correct Option:

everyone fell

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

Correct Option:

twice a week in summer and once a week in the winter.

Please Turn Over

SOK3

ANSWER KEY

71. The simplest value of $6a - 5b - [-4b - \{-3a - (-2a - b)\}]$ is
Correct Option:
5a

72. If x be real, the least value of x which satisfies $-\frac{1}{5} \leq \frac{3x}{10} + 1 < \frac{2}{5}$ is
Correct Option:
-4

73. The product of two positive integers is 17325. If their H.C.F. be 15, their L.C.M. will be
Correct Option:
1155

74. If $x \sin^3 \alpha + y \cos^3 \alpha = \sin \alpha \cdot \cos \alpha$ and $x \cdot \sin \alpha - y \cdot \cos \alpha = 0$, the value of $x^2 + y^2$ is
Correct Option:
1

75. 10% is reduced on the Marked Price of an article. If it be sold at ₹ 3,600, the Marked Price was
Correct Option:
₹ 4,000

76. A man can row 18 km/hr in down-stream and 12 km/hr in up-stream. The speed of the boat in still water is
Correct Option:
15 km/hr

77. Three sides of a triangle are 12.5 cm, 19.5 cm and 28 cm. The length of perpendicular on the longest side from the vertex opposite to it is
Correct Option:
7.5 cm

78. If $x \cdot \sin 60^\circ \cos^2 30^\circ = 9 \cdot \tan^2 45^\circ \cdot \operatorname{cosec} 60^\circ \cdot \cos 60^\circ$, the value of x is
Correct Option:
8

79. The height of a right circular cylinder is 7 cm and the radius of its base is 2.4 cm. Its volume is
Correct Option:
126.72 cc

80. The product of two consecutive negative odd integers is 1023. The larger number is
Correct Option:
-31

ANSWER KEY

SOK3

81. If $(a^2 - b^2) : (a^2 + b^2) = 4x : (x^2 + 4)$, $(x > 2)$, then $a : b$ is

Correct Option:

$(x + 2) : (x - 2)$

82. A man sells 6 mangoes for what he paid for 8. His profit on selling price is

Correct Option:

25%

83. The price of tea is increased in the ratio 3 : 4. If the original price of tea be ₹ 600 per kg, the new price of tea per kg is

Correct Option:

₹ 800

84. ₹ 5,200 were divided among 150 children. Each girl had ₹ 40 and each boy had ₹ 30. The number of girls was

Correct Option:

70

85. Three pipes A, B and C can fill a tank in 6 hours together. After working together for 2 hours, C is closed and A and B can fill the remaining part in 7 hours. C alone can fill the tank in

Correct Option:

14 hours

86. One-half of a certain number is equal to 65% of the second number. The ratio of first to second number is

Correct Option:

13 : 10

87. If $(x^3 - y^3) : (x^2 + xy + y^2) = 5 : 1$ and $(x^2 - y^2) : (x - y) = 7 : 1$, then the ratio $2x : 3y$ equals to

Correct Option:

4 : 1

88. The sum of one-half, one-third and one-fourth of a number exceeds the number by 12. The number is

Correct Option:

144

89. In an examination 4 marks is awarded for each correct answer and 1 mark is deducted for each wrong answer. A candidate scored 200 marks after attempting 200 questions. Number of correct answer he gives—

Correct Option:

80

90. The angle between the two hands of a clock at 9:45 am is

Correct Option:

$22\frac{1}{2}^\circ$

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By Adda247

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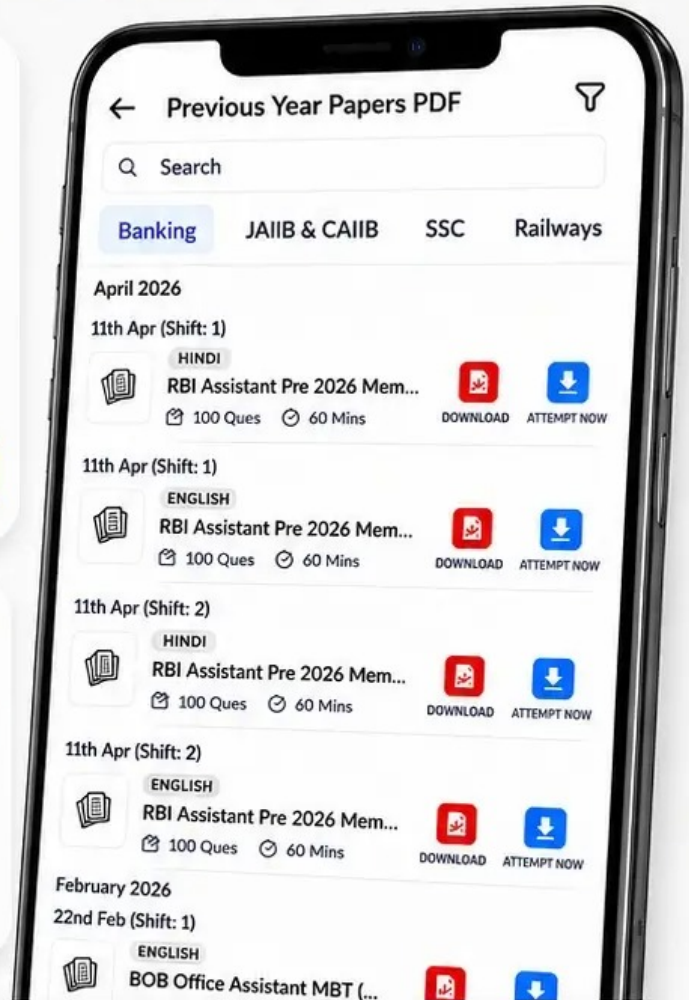
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SOK3

ANSWER KEY

91. In a race of 600 m, A can beat B by 30 m and in a race of 500 m, B can beat C by 25 m. In a race of 400 m, A can beat C by

Correct Option:
39 m

92. The value of

$$\left[\frac{(0.337 + 0.126)^2 - (0.337 - 0.126)^2}{0.337 \times 0.126} \right] \text{ is}$$

Correct Option:
4

93. The product of two numbers is 120 and the sum of their squares is 289. The sum of the two numbers is

Correct Option:
23

94. A tree increases annually by $\frac{1}{8}$ th of its height. By how much will it increase after 2 years, if it stands today 64 cm high?

Correct Option:
81 cm

95. A 220 m long train passes a signal post in 12 sec. The speed of the train is

Correct Option:
66 km/hr

96. The ratio of the areas of the circumcircle and incircle of a square is

Correct Option:
2 : 1

97. The area of circle inscribed in an equilateral triangle is 154 cm^2 . The perimeter of the triangle is

Correct Option:
 $42\sqrt{3} \text{ cm}$

98. The diagonals of three faces of a cuboid are 13, $\sqrt{281}$ and 20 linear units. Then the total surface area of the cuboid is

Correct Option:
664 sq. units

99. If the ratio of the diameters of two spheres is 3 : 5, then the ratio of their surface areas is

Correct Option:
9 : 25

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

Correct Option:
4