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PRINCE SAINIK SCHOOL

ADMISSION TEST - 2021

Date : 21 March, 2021 (Sunday)

Time : 10:00 AM to 12:00 Noon

1. Which is greater, $\frac{5}{6}$ or $\frac{3}{4}$?

(a) $\frac{5}{6}$ (b) $\frac{3}{4}$

(c) Both are equal   (d) None of these

2. What is the place value of 5 in 419.895?

(a) $\frac{5}{10}$ (b) $\frac{5}{1000}$

(c) $\frac{5}{100}$ (d) None of these

3. Write the HCF of 5, 10 , 15 , 20 ?

(a) 5   (b) 1

(c) 10   (d) None of these

4. Which is multiplicative identity, 0 or 1?

(a) 0   (b) 6

(c) 1   (d) None of these

5. What is the value of x, if 0.75 : x : : 5 : 6 .

(a) 0.9   (b) 10

(c) 0.1   (d) None of these

6. Express the ratio 25 cm to 1 m in the simplest form.

(a) 25:1   (b) 6:9

(c) 1:4   (d) None of these

7. How many points are required to draw a ray and a line segment?

(a) 1,2   (b) 1,0

(c) 1,1   (d) None of these

8. Find the side of a square whose area is 36m^2?

(a) 6m   (b) 64m

(c) 24m   (d) None of these

9. 1 cm^2 = _____ mm^2?

(a) 10   (b) 1000

(c) 100   (d) None of these

10. How many lines of symmetry does the letter Y have?

(a) 1   (b) 9

(c) 2   (d) None of these

11. What number does the symbol 𝍫 represent?

(a) 5   (b) 3

(c) 4   (d) None of these

12. What is the perimeter of a square with side 8 cm?

(a) 32cm   (b) 64cm

(c) 24cm   (d) None of these

13. How many lines of symmetry does a regular polygon have?

(a) Infinite

(b) None of these

(c) 2

(d) Equal to number of sides

14. What is the angle between two adjacent sides of a cube and cuboid?

(a) 90º   (b) 360º

(c) 180º   (d) None of these

15. Whose all faces are squares?

(a) Cube   (b) Pyramid

(c) Cuboid   (d) None of these

16. The angles of a triangle are 62º, 95º , 23º what type of triangle is it?

(a) Acute angled   (b) Right angled

(c) Obtuse angled   (d) None of these

17. What is the value of diameter if radius of a circle is 3cm.

(a) 6 cm   (b) 1.5 cm

(c) 9 cm   (d) None of these

18. How many diagonals does a quadrilateral have?

(a) 2   (b) 3

(c) 4   (d) None of these

19. One fourth part of a circle is known as-

(a) Chord   (b) Quadrant

(c) Circumference   (d) None of these

20. The sum of 3 times a number plus -7 is 14. What is the number?

(a) 7   (b) 6

(c) 3   (d) None of these

21. What is the solution of the equation –6 + a = -12?

(a) –6   (b) 12

(c) 6   (d) None of these

22. One – half of one – third of a number x equals 6. What is the number?

(a) 36   (b) 6

(c) $\frac{1}{36}$ (d) None of these

23. Whose area is greater? A square of side 4 cm or of rectangle, 5 cm × 3 cm.

(a) Square
(b) Both have equal areas
(c) Rectangle
(d) None of these

24. The perimeter of a regular hexagon is 54 cm. Find each of its sides

(a) 9cm   (b) 5cm
(c) 6cm   (d) None of these

25. Which figure has zero edge?

(a) Cube   (b) Square
(c) Cuboid   (d) None of these

26. Which figure has all the sides and angles equal?

(a) Rectangle   (b) Circle
(c) Square   (d) None of these

27. How many medians does a triangle contain?

(a) 4   (b) 2
(c) 3   (d) None of these

28. 5 pens cost Rs. 12. How much will 20 pens cost?

(a) 48   (b) 24
(c) 36   (d) None of these

29. Find the sum of all prime numbers between 1 to 10.

(a) 17   (b) 10
(c) 15   (d) None of these

30. Is 171 a multiple of 9?

(a) Yes   (b) No
(c) Can't be determined (d) None of these

31. Read the following passage carefully and answer the questions given below

Robert Bruce, who was the king of Scotland, was greatly loved by his people. Scotland was captured by the British. Being brave, Robert Bruce, tried his best to free his country from the British but could not succeed. Robert Bruce than escaped into a jungle and hid himself in a cave. One day he saw a spider who was trying to climb the wall to reach the cobweb. The spider rose in inch by inch, on the thread of its web but fell down, when it was just a few inches away from its destination. The spider was losing heart. The spider was succeeded in its tenth attempt. Robert Bruce was astonished at the courage and determination of the spider.

Who was Robert Bruce?

(a) King of Russia   (b) King of India
(c) King of Scotland   (d) None of these

32. Where did Robert Bruce escape?

(a) Into a jungle   (b) In the market
(c) In his home   (d) None of these

33. Where was spider trying to climb?

(a) The table   (b) The wall
(c) The cupboard   (d) None of these

34. The spider was succeeded in its _____.

(a) Second attempt   (b) Sixth attempt
(c) Tenth attempt   (d) None of these

35. Write opposite word of Worst. _____.

(a) Bad   (b) Best
(c) Good   (d) None of these

36. Choose the correct article.

I met _____ boy at _____ grocery store.

(a) The, a   (b) A, the
(c) A, an   (d) None of these

37. _____ Nile is one of _____ longest rivers in the world.

(a) the, the   (b) a, the
(c) the, a   (d) None of these

38. My mother is _____ teacher and my father is _____ architect.

(a) a, a   (b) a, an
(c) an, the   (d) None of these

39. Choose the correct option.
abstract noun

(a) Friend   (b) Friendship
(c) Daisy   (d) None of these

40. Common noun

(a) Crowd   (b) Man
(c) Wisdom   (d) None of these

41. Collective noun

(a) Ravi   (b) Sheep
(c) Herd   (d) None of these

42. Change the singular sentence to plural and the plural ones to singular.
A   rose   smells   nice.
_____

(a) roses smell nice   (b) roses smells nice
(c) a rose smell nice   (d) None of these

43. The   tree   sways   in   the   wind.
_____

(a) The trees sways in the wind
(b) The trees sway in the wind
(c) The tree sways in the wind
(d) None of these

44. The   stars   twinkle   at   night.
_____

(a) The stars twinkle at night
(b) The stars twinkles at night
(c) The star twinkles at night
(d) None of these

45. Fill in the blanks using the present perfect form of the words given below. (drink, put, tell)
I _____ not _____ any sugar in my coffee.

(a) Has put   (b) Have put
(c) Had put   (d) None of these

46. My grandmother _____ me a funny story.

(a) has tell   (b) has told
(c) have told   (d) None of these

47. The little boy _____ all the milk.

(a) had drunk   (b) have drunk
(c) has drunk   (d) None of these

48. Fill in the blanks with correct preposition. (at, on, under, upon)
We are going to the zoo _____ Saturday.

(a) at   (b) On
(c) under   (d) None of these

49. Mum reads stories to us _____ bedtime.

(a) at   (b) under
(c) on   (d) None of these

50. He sat _____ a bench _____ a tree.

(a) on, upon   (b) on, under
(c) at, on   (d) None of these

51. Granite is example of _____ rock.

   (a) Igneous   (b) Metamorphic

   (c) Sedimentary   (d) None of these

52. Plants have _____ in their leaves that helps them to make their own food.

   (a) Minerals   (b) Soil sunlight

   (c) Chlorophyll   (d) None of these

53. _____ have hair on their bodies.

   (a) Reptiles   (b) Birds

   (c) Mammals   (d) Fish

54. Insects take in air through _____ .

   (a) Gills   (b) Skin

   (c) Lungs   (d) Spiracles

55. Non – living things are studied under _____.

   (a) Physical science   (b) Ecological science

   (c) Political science   (d) Zoological science

56. The rearing of silkworm for the production of silk is called _____ .

   (a) Sericulture   (b) Shearing

   (c) Agriculture   (d) Rotting

57. Which one of the following is the natural source of light: .

   (a) Electric bulb   (b) Sun

   (c) Tube Light   (d) Moon

58. Disease caused by deficiency of vitamin A _____

   (a) beri - beri   (b) Rickets

   (c) Night blindness   (d) None of these

59. The layer of the air where jet airplanes fly is called_____

   (a) Troposphere   (b) Exosphere

   (c) Mesosphere   (d) Stratosphere

60. Name the joint between the shoulder blade and bone of the upper arm _____

   (a) Hinge joint   (b) Gliding joint

   (c) Pivot joint   (d) Ball-and socket joint

61. Breathing organs of fish.

   (a) Lungs   (b) Spiracles

   (c) Skin   (d) Gills

62. Thinking part of the brain

   (a) Cerebrum   (b) Brain stem

   (c) Cerebellum   (d) Spinal cord

63. Which of these is a second class lever?

   (a) Scissor   (b) Tweezers

   (c) Pliers   (d) Bottle opener

64. During which process is energy released?

   (a) Feeding   (b) Growth

   (c) Respiration   (d) Reproduction

65. Which scientist laid the foundation of atomic energy research in India?

   (a) CV Raman   (b) APJ Abdul Kalam

   (c) Homi bhaba   (d) Vikram sarabhai

66. Shopkeepers in a weekly market are ____

   (a) Wholesalers   (b) Small traders

   (c) Large traders   (d) None of these

67. _____ is salty.

   (a) Pond water   (b) Sea water

   (c) Rain water   (d) None of these

68. Sahara desert is located in _____ part of Africa.

   (a) Eastern   (b) Western

   (c) Northern   (d) None of these

69. The world's highest rainfall occurs in ____

   (a) Mumbai   (b) Asansol

   (c) Mawsynram   (d) None of these

70. The periodic rise and fall of water is called_____

   (a) wave   (b) tide

   (c) current   (d) None of these

71. Where is one horned rhinoceros found?

   (a) Assam   (b) Bihar

   (c) Rajasthan   (d) None of these

72. _____ is the head of Panchayat.

   (a) Patwari   (b) Sarpanch

   (c) Mayor   (d) None of these

73. The movement of earth on its own axis is called _____

   (a) rotation   (b) revolution

   (c) orbit   (d) None of these

74. _____ is a human – made disaster.

(a) drought   (b) epidemics

(c) floods   (d) None of these

75. Religious biographies are called _____

(a) biography   (b) autobiography

(c) hagiography   (d) None of these

76. Mohan Jodaro is related to

(a) Sumerian Civilization

(b) Nile valley Civilization

(c) Indus valley Civilization

(d) Chinese Civilization

77. The oldest veda is:

(a) Athrava Veda   (b) Yajur Veda

(c) Rig Veda   (d) Sama Veda

78. _____ are the fastest means of transport.

(a) Railways   (b) Airways

(c) Road ways   (d) Both A and B

79. Indian standard time is related to:

(a) 95.25° Longitude   (b) 82.30° Latitude

(c) 82.30° Longitude   (d) 37.6° Latitude

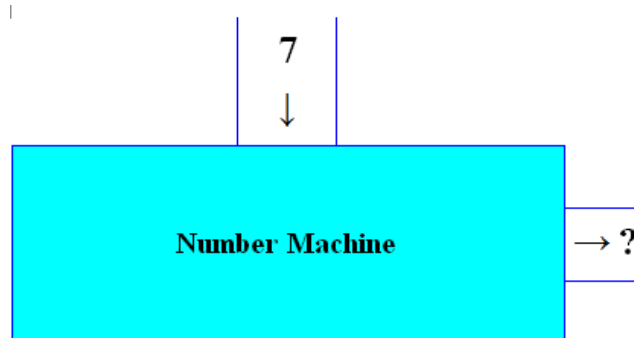**80.** The movement of the Earth on its own axis is called _____.

(a) Rotation   (b) Revolution

(c) Both A and B   (d) None of these

81. Find the missing number:

7	6	5
3	3	4
2	3	?

(a) 12   (b) 3

(c) 4   (d) 5

82. When a number is put into the machine below, a different number comes out. If 2 goes in, 6 comes out. If 4 goes in, 8 comes out. If 5 goes in, 9 comes out.

7
↓

Number Machine → ?

If 7 goes in, what number should come out? _____

(a) 10   (b) 11

(c) 12   (d) 13

83. The table below shows the number of books read by five children in one month

Name	Number of books
Gita	?
Sneha	7
Ram	7
Rohit	24
Sarika	13

If Gita read 4 books more than $\frac{1}{3}$ of the total number of books read by the other four children, then how many books did Gita read in a month?

(a) 19   (b) 20

(c) 21   (d) 22

84. Find the missing term.

   (a) 24　　　　　　　　(b) 25
   (c) 26　　　　　　　　(d) 27

85. Find the missing number:

   (a) 36　　　　　　　　(b) 9
   (c) 25　　　　　　　　(d) 64

86. Find the missing number.

   (a) 14　　　　　　　　(b) 16
   (c) 18　　　　　　　　(d) 20

87. Few passengers are standing in a row. Sarika is at the 7th position from the left, and Neha is standing at the 10th position from the right. If Sarika and Neha interchange their positions, Neha becomes 20th from the right. How many passengers are there in the row?

   (a) 26　　　　　　　　(b) 28
   (c) 30　　　　　　　　(d) 32

88. In a certain code, INSTITUTION is written as NOITUTITSNI. How is PERFECTION written in that code?

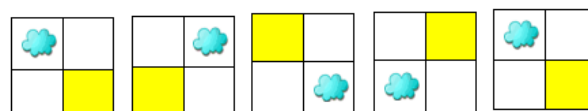   (a) NOICTEFREP　　　(b) NOITCEFERP
   (c) NOITCEFRPE　　　(d) NOITCEFREP

89. In a coded language if HOME=2541, SHOP= 8256. WORK = 9573, then code for SMOKE will be

   (a) 85431　　　　　　(b) 84531
   (c) 83451　　　　　　(d) 84351

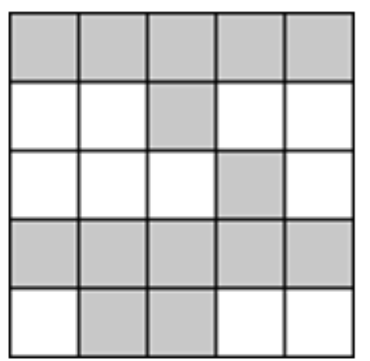**90.** If yesterday was Thursday, when will be Saturday?

   (a) Day after tomorrow
   (b) Today
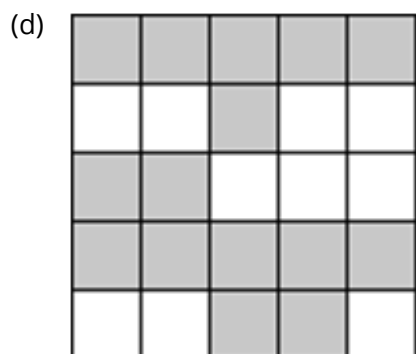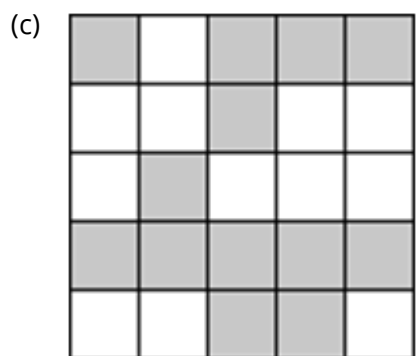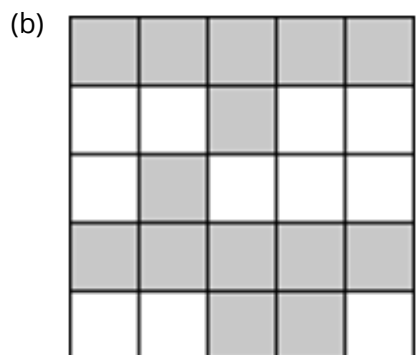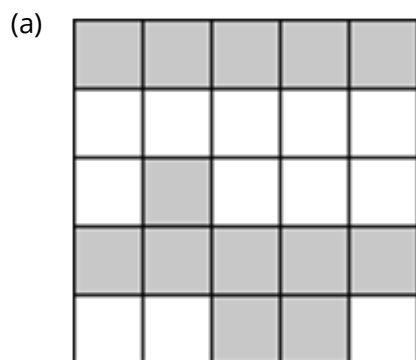   (c) Two days after tomorrow
   (d) Tomorrow

91. Find the next figure

92. Which of the following options show the reflection of the image over the dotted line ?

(a)

(b)

(c)

(d)

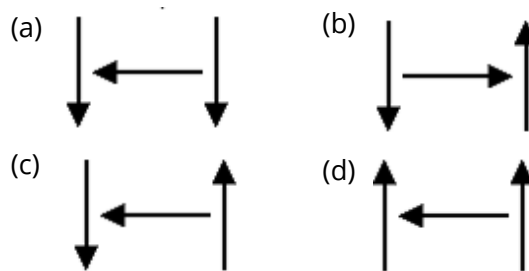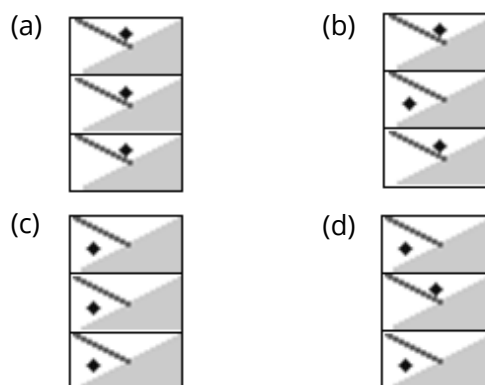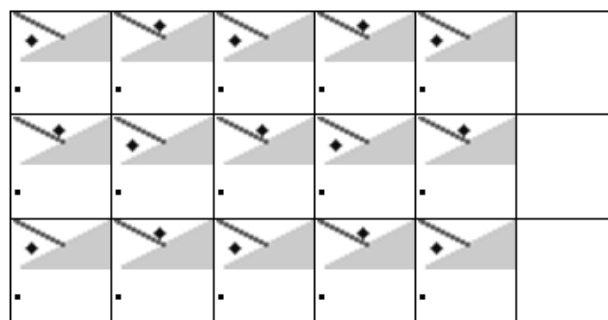**93.** How many lines of symmetry are there in a circle?

(a) countless   (b) 1
(c) 4   (d) 2

94. Complete the pattern

(a)   (b)

(c)   (d)

95. Ramakrishnan arranges tiles on the floor as shown below. Which column of tiles is missing from Ramakrishnan's floor?

(a)   (b)

(c)   (d)

96. In the following question select the one which is different from the other three responses.

(a) DEB   (b) RTP
(c) HIF   (d) NOL

97. Arrange the words given below in a meaningful sequence. 1.Presentation 2.Recommendation 3. Arrival 4.Discussion 5.Introduction

(a) 5, 3, 4, 1, 2   (b) 3, 5, 4, 2, 1
(c) 3, 5, 1, 4, 2   (d) 5, 3, 1, 2, 4

98. Arrange the words given below in a meaningful sequence.
1. Poverty 2. Population 3. Death 4. Unemployment 5. Disease

(a) 2, 3, 4, 5, 1   (b) 3, 4, 2, 5, 1
(c) 2, 4, 1, 5, 3   (d) 1, 2, 3, 4, 5

99. Arrange the words given below in a meaningful sequence.
1.Elephant 2.Cat 3.Mosquito 4.Tiger 5. Whale

(a) 5, 3, 1, 2, 4   (b) 3, 2, 4, 1, 5
(c) 1, 3, 5, 4, 2   (d) 2, 5, 1, 4, 3

100. Arrange the given words in a meaningful sequence.
1. Flat 2. Home 3.Building 4.Society 5. Place

(a) 5,4,3,1,2   (b) 5,4,3,2,1
(c) 4,3,1,2,5   (d) 4,5,3,1,2

Prince Sainik School Admission Test Final Answer Key Class - VII Date : 21-03-2021

Que	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Ans	1	2	1	3	1	3	1	1	3	1	1	1	4	1	1	3	1	1	2	1	1	1	1	1	4

Que	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Ans	3	3	1	1	1	3	1	2	3	2	2	1	2	2	1	2	1	2	3	2	2	3	2	1	2

Que	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans	1	3	3	4	2	1	2	3	4	4	4	1	4	3	3	2	2	2	3	2	1	2	1	2	3

Que	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Ans	3	3	2	3	1	2	2	3	2	2	2	1	4	2	4	3	2	1	3	2	2	3	3	2	1