



A.P.J. Abdul Kalam Welfare Society

All India Bright Student Award Test 2016

Class :IV

Time:11 am to 1 p.m.

Mathematics

- 1) $0.7683 + 0.369 + 0.05 + 0.8 =$ _____?
a) 1.8065 b) 1.9873 c) 1.8110 d) None of these
- 2) $14.3 + 16.78 - ? = 9.009$
a) 22.089 b) 22.071 c) 21.810 d) None of these
- 3) The H.C.F. of 0.54, 1.8 and 7.2 is _____?
a) .18 b) 1.8 c) .018 d) 18
- 4) The L.C.M. of 3, 2.7 and .09 is _____?
a) 27 b) 2.7 c) .027 d) .27
- 5) $3.1469 + 6.837 + ? = 15$
a) 24.9839 b) 5.7634 c) 5.0161 d) None
- 6) $1.086 - .3983 - .339 = ?$
a) .6208 b) 1.3948 c) .0048 d) .0187
- 7) $14.3 + 16.78 - ? = 9.009$
a) 40.089 b) 22.071 c) 21.810 d) None
- 8) $852.2109 + 106.78 - 59.157 = ?$
a) 899.8339 b) 889.8339 c) 899.9833 d) 804.5879
- 9) $5463 + 546.3 - 54.63 \div ? = 5999.3$
a) .05463 b) .5463 c) 5.463 d) None
- 10) Which of the following sets of fractions is in descending order?
a) $\frac{3}{5}, \frac{7}{9}, \frac{6}{7}$ b) $\frac{7}{9}, \frac{3}{5}, \frac{6}{7}$ c) $\frac{7}{9}, \frac{6}{7}, \frac{3}{5}$ d) $\frac{6}{7}, \frac{7}{9}, \frac{3}{5}$
- 11) What decimal of an hour is a second?
a) .0025 b) .0256 c) .00027 d) .000126
- 12) If $1.125 \times 10^k = 0.001125$, then the value of k is?
a) -4 b) -3 c) -2 d) -1
- 13) 0.393939... is equivalent to the fraction
a) $\frac{39}{100}$ b) $\frac{39}{99}$ c) $\frac{93}{100}$ d) None
- 14) The fraction for 0.535353...is
a) $\frac{26}{53}$ b) $\frac{27}{53}$ c) $\frac{28}{53}$ d) $\frac{53}{99}$

15) 0.8 expressed as a fraction is

- a) $\frac{8}{10}$ b) $\frac{88}{100}$ c) $\frac{88}{99}$ d) $\frac{8}{9}$

16) 1.6 expressed as a fraction is

- a) $\frac{16}{10}$ b) $\frac{16}{9}$ c) $\frac{5}{3}$ d) None

17) The value of 0.57 is

- a) $\frac{57}{10}$ b) $\frac{57}{99}$ c) $\frac{26}{45}$ d) $\frac{52}{9}$

18) (.08 x .007) is equal to

- a) .056 b) .0056 C) .00056 D) .56

19) The L.C.M of 26, 56,104, and 182 is

- a) 546 b) 1274 c) 728 d) 784

20) The H.C.F of 3556 and 3444 is

- a) 25 b) 26 c) 28 d) 23

21) The perimeter of a rectangular field is 480 meters and the ratio between the length and breadth is 5:3 the area of the field is

- a) 7200 m² b) 15000 m² c) 13500 m² d) 54000 m²

22) If the length and breadth of a rectangular plot are increased by 50% and 20% respectively, then the new area is how many times the original area?

- a) $\frac{5}{9}$ b) 10 c) $\frac{9}{5}$ d) None of these

23) The length of a rectangle is increased by 60%. By what percent would the width have to be decreased to maintain the same area?

- a) 37.5% b) 60% c)75% d) 120%

24) If each side of a square is increased by 50%, the ratio of the area of resulting square to the area of the given square is?

- a) 5:4 b) 9:4 c) 4:5 d) 4:9

25) The length of a blackboard is 8 cm more than its breadth. If the length is increased by 7 cm and breadth is decreased by 4 cm, the area remains the same. The length and breadth of the black board (in cms) will be

- a) 28,20 b) 34,26 c) 40,32 d) 56,48

26) If the diagonal of a square is doubled to make the diagonal of another square, the area of the new square will?

- a) Become two fold b) Become three fold c) Become four fold d) remains the same

27) A hall 20m long and 15m broad is surrounded by a verandah of uniform width of 2.5m. The cost of flooring the verandah at Rs. 3.50 per square metre is

- a) Rs. 500 b) Rs.600 c) Rs. 700 d) Rs. 800

28) The number of marble slabs of size 20cm x 30 cm required to pave the floor of a square room of side 3 meters, is

- a) 100 b) 150 c) 225 d) 25

29) If each side of a square is increased by 25%, its area is increased by

- a) 25% b) 50% c) 40.5% d) 56.25%

30) A man walking at the speed of 4 kmph crosses a square field diagonally in 3 minutes. The area of the field is

- a) 18000 m² b) 20000 m² c) 19000 m² d) 25000 m²

31) If the perimeters of a square and a rectangle are the same, then the areas A and B enclosed by them would satisfy the condition

- a) A<B b) A≤ B c) A>B d) A≥B

32) The ratio of the area of a square to that of the square drawn on its diagonal is

- a) 1:1 b) 1:2 c) 1:3 d) 1:4

33) If the ratio of the areas of two squares is 9:1, the ratio of their perimeter is

- a) 9:1 b) 3:1 c) 1:3 d) 3:4

34) If the diagonal of a rectangle and a square, each is equal to 80cm and the difference of their areas is 100 sq.cm, the sides of the rectangle are

- a) 35cm, 15 cm b) 30cm, 10 cm c) 28cm, 12 cm d) 25cm, 15 cm

35) If the diagonal of a rectangle is 17 cm long and the perimeter of the rectangle is 46 cm, then the area of the rectangle is

- a) 112 cm² b) 120 cm² c) 132 cm² d) 289 cm²

47) Four circular cardboard pieces , each of radius 7 cm are placed in such a way that each piece touches two other pieces. The area of the space enclosed by the four pieces is

- a) 21cm^2 b) 42cm^2 c) 84cm^2 d) 168cm^2

48) Four horses are tethered at four corners of a square plot of side 63 meters so that they just cannot reach one another. The area left ungrazed is

- a) 675.5 m^2 b) 780.6 m^2 c) 785.8m^2 d) 850.5 m^2

49) The difference between the local value and the face value of 7 in the numeral 657903 is

- a) 0 b) 7896 c) 6993 d) 903

50) $\frac{392}{\sqrt{?}} = 28$

- a) 144 b) 196 c) 24 d) 48

Science

51. Frozen water is called _____

- A) Fog B) ice C) steam D) vapor

52. Which animal has wings?

- A) Bird B) frog C) mouse D) rabbit

53. About how long does it take Earth to make one revolution around the Sun?

- A) A day B) a week C) a month D) a year

54. The presence of substance called _____ makes a leaf green

- a) Chlorophyll b) Xanthophyll c) carotene d) carotenoid

55. A plant takes in water from the soil & _____ from the air.

- a) H_2O b) CO_2 c) O_2 d) C_2O_2

56. In the presence of sunlight green leaves change air & water into the food in form of _____

- a) Carbohydrate b) Protein c) Starch d) Sugar

57. The main vein is caused _____

- a) Midrib b) Side vein c) main vein d) None

58. During _____ a leaf takes in carbon dioxide & gives out Oxygen

- a) Respiration b) Translocation c) Photo Periodism d) Photosynthesis

59. The food prepared by plants is in the form simple _____

- a) Carbohydrate b) starch c) sugar d) all the above

60. Plant store food in the form of _____

- a) Starch b) salt c) CO₂ d) H₂O

61. Moulds don't have _____

- a) Xanthophylls b) Chlorophyll c) carotenoid d) carotene

62. Plants that grow on water called _____

- a) Terrestrial b) Aquatic c) Amphibians d) All of the above

63. _____ trees are found in very cold places

- a) Cactus b) Mangrooves c) Spruce d) None

64. Plants that grow in hot and damp areas are _____

- a) Teak b) Coconut c) Tea d) All

65. _____ is one such plant that grows in desert.

- a) Teak b) Cactus c) Duckweed d) None

66. In _____ areas, the soil is sticky & clayey

- a) Desert b) Forest c) Marshy d) both a & c

67. Fixed plant is one of the types of _____

- a) Terrestrial b) Aquatic c) both a & b d) None

68. _____ is floating plants

- a) Duckweed b) water hyacinth c) lettuce d) all

69. Lotus is _____ plant

- a) Fixed b) Floating c) Under water d) None

70. _____ plants clean the water by removing the CO₂ breathed out by aquatic animals like fish and turtles.

a) Fixed b) Under water c) Floating d) a&b

71. Bamboo shoots have a High nutritional value and are rich in _____

a) Vitamins b) Protein c) Both a & b d) None

72. _____ leaves provide a nesting place for some tiny birds.

a) Under water b) Fixed c) Floating d) All

73. Paper walls first made by the people of _____ from grass called papyrus.

a) China b) Bihar c) Egypt d) both a & c

74. _____ is examples of insectivorous plant

a) Pitcher plant b) Cactus c) Sundrew d) both a & c

75. The smallest living mammal is -----

a) Rats b) cats c) Kitti's hog nosed bat d) None of the above

76. within the shell is the egg white called-----

a) Globulin b) Yolk c) Albumin d) both a & c

77. A ----- egg develops into a tadpole

a) Lizards b) Frog's c) Fish d) All the above

78. The baby insect which comes out of the egg is called -----

a) Adult b) Nymph c) both a & b d) young one

79. Houseflies have ----- stages in their life cycle

a) 3 b) 4 c) 6 d) None of the above

80. The young one that hatches from the egg of these insect is called -----

a) Nymph b) Adult c) Baby d) Larva

81. The larva of housefly is called -----

a) Maggot b) Nymph c) Caterpillar d) Larva

82. The larva of butterfly is called -----

a) Maggot b) Nymph c) Caterpillar d) None of the above

83. ----- is the resting stage in which it stops eating.

- a) Caterpillar b) Larva c) Pupa d) Maggot

84. All ----- hatch from the egg.

- a) Reptiles b) Fish c) Frog d) All the above

85. ----- have three stages in their lifecycle

- a) Grasshopper b) cockroaches c) Butterfly d) both a & b

86. ----- means shedding of old skin or shell.

- a) Changing b) Melting c) Moulting d) All the above

87. The chicks comes out after ----- days

- a) 15 b) 31 c) 21 d) 26

88. ----- bodies are covered with hair.

- a) Cats b) Mammals c) Horses d) all the above

89. A -----lays thousand of egg at a time in water.

- a) Turtles b) Snake c) Fish d) both b & c

90. ----- is the period of time for which a living thing lives or is expected to live.

- a) Reproduction b) Lifespan c) Growth d) both a & b

91. Fish and crabs have ----- that helps them to breath in water.

- a) Nose b) Gills c) Wings d) Mouth

92. The leaves of some plants like the croton have chlorophyll, but they appear dark-----

- a) Green b) Red c) Yellow d) Pink

93. Spines prevents the loss of -----

- a) Carbon dioxide b) Oxygen c) Water d) both b & c

94. ----- are cereal plants.

- a) Wheat b) Rice c) Tur d) both a & b

95. Dried grass is used as -----

a) Preparing medicines b) Packing material c) Making paper d) All the above

96. Animals that fly are called ----- animals

a) Arboreal b) Aerial c) both a & b d) None of the above

97. Some animals like Lizards and frogs sleep for several month to protect them from the cold. This is called-----

a) Aestivation b) hibernation c) Moulting d) None of the above

98. Plant eating animals are called -----

a) Herbivores b) Carnivores c) Omnivores d) All the above

99. Some animals live on or inside the bodies of other animals for their food are called -----

a) Parasites b) Host c) both a & b d) None of the above

100. Terrestrial animal's breath through -----

a) Air holes b) Gills c) Lungs d) Scales