

# INTO 6<sup>TH</sup> CBSE/ICSE

## **INSTRUCTIONS**

**NUMBER OF QUESTIONS : 100**

**TIME : 2 Hrs**

1. ATTEMPT ALL QUESTIONS WITHIN THE TIME.
2. EACH QUESTION CARRIES 1 MARK
3. NO NEGATIVE MARKS.
4. DON'T DO ROUGH WORK ON QUESTION PAPER AND OMR.
5. USE BLACK (OR) BLUE PEN FOR BUBBLING ON OMR.

CORRECT METHOD OF BUBBLING



WRONG METHOD OF BUBBLING



## **MATHEMATICS**

1. What is the successor of the sum of smallest and greatest numbers possible with the digits 3, 6, 0, 7, 1 used only once  
1. 86676                      2. 86677                      3. 86678                      4. 77678
2. The place value and face value of a number is always equal at  
1. One's place              2. Tens' place              3. Hundred's place      4. Thousand's place
3. Write next two numbers in the given pattern: 1, 8, 27, 64, 125, \_\_\_\_, \_\_\_\_  
1. 140, 178              2. 216, 347              3. 215, 343              4. 216, 343
4. If  $429 \div 3 = x$ , then  $1716 \div x =$   
1. 10                      2. 5                      3. 8                      4. 12
5. The cost of 5 mangoes is ₹ 27.50, what is the cost of 2 mangoes  
1. ₹ 5.50                      2. ₹ 10.50                      3. ₹ 11                      4. ₹ 15
6. Which of the following statement is not true  
1. LCM of two co-primes is their product                      2. a number 70 has 8 factors  
3. multiples of a number are countable                      4. 1 is a factor of every number
7. Add:  $2\frac{1}{3}$  and  $3\frac{1}{2}$   
1.  $5\frac{2}{5}$                       2.  $5\frac{5}{6}$                       3.  $5\frac{1}{5}$                       4.  $5\frac{2}{6}$
8. Which of the following is meaningless  
1. CIX                      2. XIV                      3. CXC                      4. IXIV

9. Subtract  $\frac{5}{9}$  from 5

1.  $\frac{35}{9}$

2.  $\frac{40}{9}$

3.  $-\frac{35}{9}$

4.  $\frac{25}{9}$

10.  $60.06 + 666.6 + 6.006$

1. 732.666

2. 186.78

3. 732.018

4. 186.078

11. The value of proper fraction is always

1. Equal to 1

2. Less than 1

3. Greater than 1

4. Zero

12. HCF of two consecutive even numbers is

1. 0

2. 1

3. 2

4. Not defined

13. How many digits are needed to write the numbers from 1 to 150

1. 337

2. 342

3. 347

4. 343

14. Simplify:  $25 - 16 \div 4 \times 2$

1. 23

2. 13

3. 17

4. 1.125

15. The equivalent fraction of  $\frac{5}{6}$  is

1.  $\frac{5}{12}$

2.  $\frac{10}{14}$

3.  $\frac{15}{18}$

4.  $\frac{20}{6}$

16. What should be added to 0.329 to get 4 is

1. 4.329

2. 0.325

3. 4.671

4. 3.671

17. The HCF of 333 and 407 is

1. 1

2. 34

3. 37

4. 333

18. How many numbers between 100 and 300 are divisible by 8

1. 23

2. 24

3. 25

4. 22

19. Simplify:  $2\frac{1}{2} \div 1\frac{1}{2} + 1$

1.  $\frac{8}{3}$

2.  $\frac{13}{3}$

3.  $\frac{19}{4}$

4.  $\frac{17}{5}$

20. What is the remainder in the expression  $25\frac{11}{14}$ ?

1. 25

2. 11

3. 14

4. 361

21.  $\frac{0.0025}{0.05} =$
1. 0.5                      2. 0.05                      3. 0.005                      4. 0.0005
- 
22. What is the average of 15, 8, 0, 9, 11 is
1. 8                      2. 8.2                      3. 8.4                      4. 8.6
- 
23. Which of the following metric unit is the smallest
1. Kilo                      2. Centi                      3. Deci                      4. Milli
- 
24. If HCF of two numbers is 9, which of the following can never be their LCM?
1. 54                      2. 60                      3. 72                      4. 45
- 
25. Express  $\frac{5}{8}$  into decimals
1. 1.6                      2. 0.625                      3. 0.725                      4. 1.06
- 
26. In a class there are 52 boys and 28 girls. What fraction of the pupils are girls?
1.  $\frac{7}{10}$                       2.  $\frac{7}{20}$                       3.  $\frac{13}{20}$                       4.  $\frac{28}{20}$
- 
27. Simplify:  $\frac{4}{9} \times 1\frac{2}{7} \times 7$
1. 1                      2. 2                      3. 3                      4. 4
- 
28. Half of a number is 7.5, what is  $\frac{4}{10}$  th of the same number?
1. 3                      2. 4                      3. 6                      4. 6.5
- 
29. The sum of two numbers is 25,619. One of them is 19,989. The other number is
1. 45,608                      2. 26,030                      3. 5630                      4. 5360
- 
30. A train leaves the station at 9.25 PM and reaches destination at 5.10 AM. The duration of the journey is
1. 7 hours 15 minutes                      2. 5 hours 35 minutes  
3. 7 hours 45 minutes                      4. 8 hours 15 minutes
- 
31. Express 256 l into deca litres
1. 2.56 dal                      2. 25.6 dal                      3. 0.256 dal                      4. 2560 dal
- 
32. Which of the following has not a definite length?
1.  $\overline{AB}$                       2.  $\overline{PQ}$                       3.  $\overline{OP}$                       4. Both 2 and 3

33. An angle which is more than  $180^\circ$  and less than  $360^\circ$  is  
1. Acute angle      2. Right angle      3. Obtuse angle      4. Reflex angle

34. Find the circumference of a circle whose radius is  $\frac{7}{22}$  cm is

1. 1 cm      2. 2 cm      3. 14 cm      4. 4 cm

35. The temperature of a cup of hot milk was  $149^\circ\text{F}$ . Express it in Celsius scale

1.  $85^\circ\text{C}$       2.  $95^\circ\text{C}$       3.  $80^\circ\text{C}$       4.  $65^\circ\text{C}$

36. How many degrees does the minute hand turn through in a quarter of an hour?

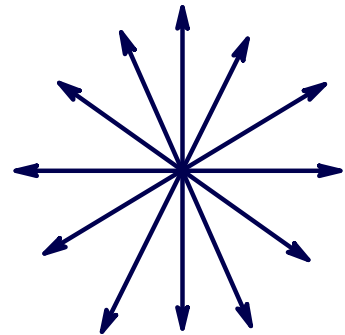
1.  $30^\circ$       2.  $60^\circ$       3.  $90^\circ$       4.  $180^\circ$

37. A quadrilateral in which all sides are equal and all angles are equal

1. Rhombus      2. Rectangle      3. Square      4. Kite

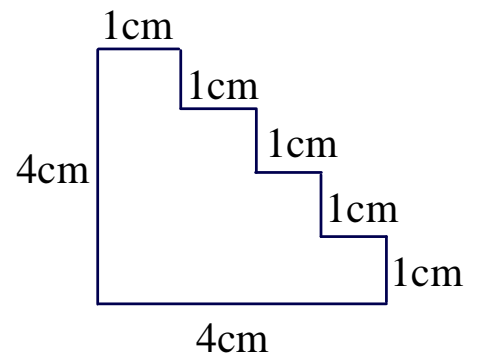
38. The adjacent figure represents

1. parallel lines      2. Transversal lines  
3. concurrent lines      4. Perpendicular lines



39. What is the perimeter of adjacent figure

1. 10 cm      2. 12 cm  
3. 14 cm      4. 16 cm



40. The length of a rectangle is 1.5m and the breadth is 30cm. Find its area

1. 4500 sq. cm      2. 0.450 sq m      3. Both 1 and 2      4. 45sq.cm

41. Earth surface consists of 75% water. Express it in fraction in lowest terms.

1.  $\frac{5}{6}$       2.  $\frac{3}{4}$       3.  $\frac{15}{20}$       4.  $\frac{3}{5}$

42. Simple interest on ₹ 400 for 2 years at 10% per annum is

1. ₹ 50      2. ₹ 70      3. ₹ 80      4. ₹ 100

43. A solid shape covered by 6 square faces is  
1. Sphere                      2. Cube                      3. Cuboid                      4. Cylinder
44. A line segment whose end points lie on a circle is  
1. Radius                      2. Sector                      3. Segment                      4. Chord
45. If diameter of a circle is 3.026 cm, then its radius is  
1. 3.026 cm                      2. 6.052 cm                      3. 1.513 cm                      4. 1.008 cm
46. Express 22 : 45 in 12 hours clock is  
1. 10.45 AM                      2. 12.45 PM                      3. 10.45 PM                      4. 11.45 PM
47. Which of the following number has more factors  
1. 24                      2. 36                      3. 72                      4. 91
48. A square sheet of paper whose perimeter is 48 cm, then find its area  
1.  $48 \text{ cm}^2$                       2. 144 cm                      3.  $192 \text{ cm}^2$                       4.  $144 \text{ cm}^2$
49. Find the least value of \*, so that  $464*28$  is exactly divisible by both 8 and 9.  
1. 1                      2. 3                      3. 5                      4. 9
50. A hall measures 16m by 12m. How many square tiles of side 4m will be required to pave its floor  
1. 10                      2. 12                      3. 48                      4. 8

**SCIENCE**

51. A \_\_\_\_\_ of a star planet is an object that goes around the star  
1. Satellite                      2. Eclipse                      3. Solar                      4. moon
52. Stratosphere contains a layer of a gas  
1. Argon                      2. Ozone                      3. Oxygen                      4. All of these
53. Dust and smoke are leads to type of pollution  
1. Water                      2. Air                      3. Gas                      4. Vapour
54. Lever depends on \_\_\_\_\_. Load and fulcrum  
1. Inside the effort                      2. Position of the effort  
3. Body of the effort                      4. Both 1 and 2
55. Winding edge is actually an \_\_\_\_\_  
1. Rough plane                      2. Inclined plane                      3. Smooth plane                      4. 1 and 2 only
56. Stone is fixed does not move called \_\_\_\_\_  
1. Motion                      2. Lever                      3. Fulcrum                      4. Effort

57. Levers are grouped into \_\_\_\_\_ types  
 1. 3                      2. 2                      3. 4                      4. 5
58. The wheels used in all these machines have a rod in the centre known as  
 1. Wheel                      2. Screwdriver                      3. Screw                      4. Axle
59. Volume of substance increases, its weight  
 1. Decreases                      2. Remains same                      3. None of these                      4. Increases
60. Density =  
 1. Weight + length                      2. Weight – volume                      3. Weight ÷ volume                      4. Weight × volume
61. Iron is denser than  
 1. Water                      2. Wood                      3. Glass                      4. Lead
62. The examples of second class levers  
 1. Wheel barrow                      2. Nut cracker                      3. Bottle opener                      4. All of the above
63. Satellites are sent up in rockets revolves around the earth known as  
 1. Eclipse                      2. Artificial satellite                      3. Communication satellite                      4. Weather satellite
64. The side of the moon facing us gets no sunlight at all, we can't moon called  
 1. Gibbous moon                      2. Full moon                      3. New moon                      4. Crescent moon
65. Earth pulls everything down with the force of \_\_\_\_\_  
 1. Electric                      2. Nuclear                      3. Gravity                      4. Magnet
66. The first manned space craft to reach the moon was  
 1. Apollo 9                      2. Apollo 11                      3. Apollo 8                      4. Apollo 12
67. Upthrust is  
 1. Real weight    2. Weight of displaced by an object  
 3. Real weight – weight in water                      4. Both 1 and 2
68. The winding edge of a screw is  
 1. Rod                      2. Pulley                      3. Lever                      4. Thread
69. \_\_\_\_\_ founded upthrust is equal to the weight of water displaced object  
 1. Pascal                      2. Torricelli                      3. Newton                      4. Archimedes
70. Shadow of the earth can fall on the moon called  
 1. Lunar eclipse                      2. Solar eclipse                      3. Partial solar eclipse                      4. All of the above
71. Which of the following disease is caused by the lack of iron?  
 1. Scurvy                      2. Rickets                      3. Anaemia                      4. Scurvy

72. DPT is a vaccine for
1. Diphtheria, Polio,tuberculosis
  2. Dengue, pertusis,tetanus
  3. Diphtheria,pertusis,tetanus
  - 4.Dengue ,polio,tetanus
73. The rock which is used as a body scrubber?
1. Sand stone
  2. Marble
  - 3.Pumice
  4. Basalt
74. What is the smallest structural unit of a living thing?
1. Tissue
  2. Cell
  - 3.Organ
  4. Organism
75. Identify the stems given below
1. Garlic
  2. Sweet potato
  - 3.Turnip
  4. Carrot
76. Which of the following seeds are dispersed by wind?
1. Touch-me-not
  2. Geranium
  - 3.Balsam
  4. Drum stick
77. The part of an eye, on which the image forms
1. Retina
  2. Pupil
  - 3.Iris
  4. Lens
78. Wheel barrow is an example for
1. First- class lever
  2. Second-class lever
  3. Third-class lever
  4. Wheel-axle
79. Which of the following is an inert gas?
1. Hydrogen
  2. Neon
  - 3.Ammonia
  4. Oxygen
80. Objects float on water if
1. Weigh < upthrust
  2. Weigh > upthrust
  3. Weigh = upthrust
  4. Weigh  $\leq$  upthrust
81. Volume=
1. Density  $\times$  weight
  2. Density  $\div$  volume
  3. Weight  $\div$  Density
  4. Density + weight
82. The process which is used to separate soluble impurities from water
1. Filtration
  2. Distillation
  3. Winnowing
  4. Crystallization
83. PSLV- C<sub>37</sub> was successfully launched 104 satellites in a single flight on
1. February-20<sup>th</sup>
  2. Feb-18<sup>th</sup>
  - 3.Feb-15<sup>th</sup>
  4. Feb-3<sup>rd</sup>
84. In which month we observe pink moon
1. November
  2. April
  - 3.September
  4. December
85. Our back bone is made up of
1. 22 bones
  2. 33 bones
  3. 14 bones
  4. 12 bones
86. Strong stretchy band which joins two bones together
1. Tendons
  2. Ligaments
  - 3.Muscles
  4. All

87. Acid rains are caused by  
 1. Carbon dioxide    2. Sulphur dioxide    3. Nitrogen dioxide    4. All the above
88. Which of the following is a viviparous animal?  
 1. Hen                      2. Dog                      3. Crocodile              4. Lizard
89. Which of the following are belong to protein group?  
 1. Chapati                  2. Peas                      3. Tomato                  4. Potato
90. Full form of "WWF" is  
 1. World wide fund    2. World wildlife fund  
 3. World wild life foundation    4. World wealth foundation

**ENGLISH**

91. The opposite of "idle" \_\_\_\_\_.  
 1. busy                      2. nadir                      3. free                      4. careful
92. A friend to a friend: you must post this letter for me.  
 1. request                  2. order                      3. enquiry                  4. suggestion
93. This is Ram's book  
 1. pronoun                  2. proper noun              3. adjective                  4. noun
94. She usually writes \_\_\_\_\_ ink.  
 1. with                      2. in                              3. by                              4. none
95. It \_\_\_\_\_ (bleed) since she cut her finger.  
 1. has been bleeding    2. is bleeding              3. was bleeding              4. will bleed
96. \_\_\_\_\_ bread you are eating is not fresh.  
 1. an                              2. the                              3. an                              4. none
97. Many a man \_\_\_\_\_ injured yesterday.  
 1. is                              2. was                              3. were                              4. are
98. He is watering the plants.  
 1. The plants is watered  
 2. The plants were being watered by him  
 3. The plants are being watered by him  
 4. He is being watered the plants
99. He goes to school \_\_\_\_\_ my car.  
 1. in                              2. by                              3. on                              4. for
100. The noun form of "see"  
 1. saw                              2. sight                              3. looking                      4. sighted

**THE END**