



CLASS-VII	AARAMBH	DATE: 04-10-19
Max. Time: 120 min		Max marks: 320

Instructions:

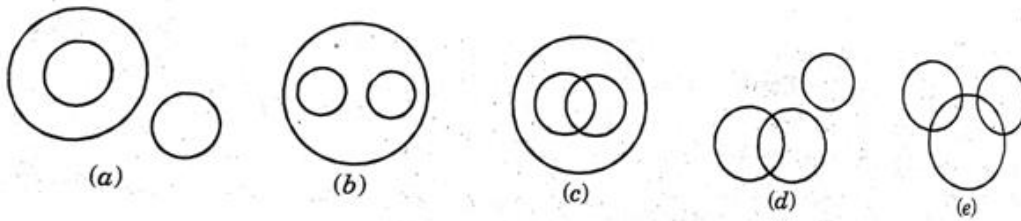
- The test paper consists of **80** multiple choice questions numbered from **1 to 80**, each question followed by four alternatives 1, 2, 3 and 4.
- Mental Ability 1 to 20, Mathematics 21 to 35, Physics 36 to 50 and Chemistry 51 to 65, Biology 66 to 80.
- Each question has only one correct option.
- Each correct answer carries **+4 Marks**.
- No negative marking for wrong answer.

MAT (Q.NO.1 TO 20)

- 0,4,6,3,7,9,6, ?,12**
 1) 8 2) 10 3) 11 4) 14
- 10000, 11000, 9900, 10890, 9801 ?**
 1) 10241 2) 10423 3) 10781 4) 10929
- 0, 6, 24, 60, 120, 210 ?**
 1) 240 2) 290 3) 336 4) 504
- 3, 20, 63, 144, 275 ?**
 1) 354 2) 468 3) 548 4) 554
- Which is the third number to the left of the number which is exactly in the middle of the following sequence of numbers?**
1 2 3 4 5 6 7 8 9 2 4 6 8 9 7 5 3 1 9 8 7 6 5 4 3 2 1
 1) 3 2) 4 3) 5 4) 6
- How many 5s are there in the following number sequence which are immediately preceded by 7 and immediately followed by 6?**
7 5 5 9 4 5 7 6 4 5 9 8 7 5 6 7 6 4 3 2 5 6 7 8
 1) One 2) Two 3) Three 4) Four
- In a class of 60, where girls are twice that of boys, Kamal ranked seventeenth from the top. If there are 9 girls ahead of Kamal, how many boys are after him in rank?**
 1) 3 2) 7 3) 12 4) 13
- If HEALTH is written as GSKZDG, then how will NORTH be written in that code?**
 1) OPSUI 2) GSQNM 3) FRPML 4) IUSPO

9. In a certain code, BROUGHT is written as SGFVAQN. How is SUPREME written in that code?
 1) DLDSTVQ 2) DLDSRTO 3) FNFSRTO 4) RTOSDLD
10. If in a certain code, ALMIRAH is written as BNPMWGO, which word would be written as DNRWLUA?
 1) COSGOLT 2) TOGSOLC 3) TOGCLOS 4) CLOSGOT
11. If in a certain code, BAT=23 and CAT=24, then how will you code BALL?
 1) 27 2) 28 3) 32 4) 120

Directions (Q.No-12 to 13) : Each of the following questions below contains three elements. These three elements may or not have some linkage. Each group of the elements may fit into one of the diagrams at (a), (b), (c), (d) and (e). You have to indicate groups of elements in each questions fit into which of the diagram given below. The letter indicating the diagram is the answer.

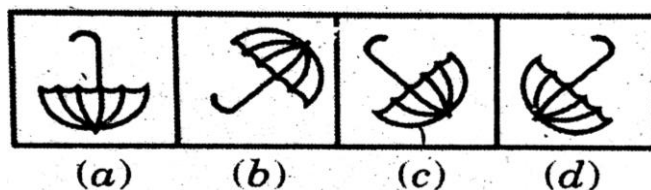


12. Wheat, Grains, Maize
 1) a 2) b 3) c 4) e
13. Protons, Electrons, Atoms
 1) e 2) b 3) c 4) d

Directions (Q.No-14-16): In each of the following questions, four numbers have been given out of which three are alike in some manner, while the fourth one is different. Choose out the odd one.

14. a) 1(-80) 9 b) 6(12) 2 c) 7 (33) 4 d) 11 (112) 3
 1) a 2) b
 3) c 4) d
15. a) 43 : 6 b) 28 : 4 c) 50 : 7 d) 36 : 5
 1) a 2) b
 3) c 4) d
16. a) 140 – 45 b) 110 – 35 c) 100 – 30 d) 80 – 25
 1) a 2) b
 3) c 4) d

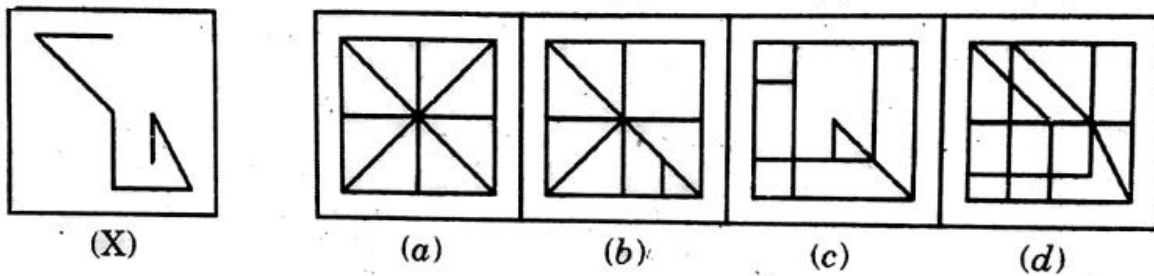
17. Figure Classification



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

Directions (Q. No: 18): Embedded Figure

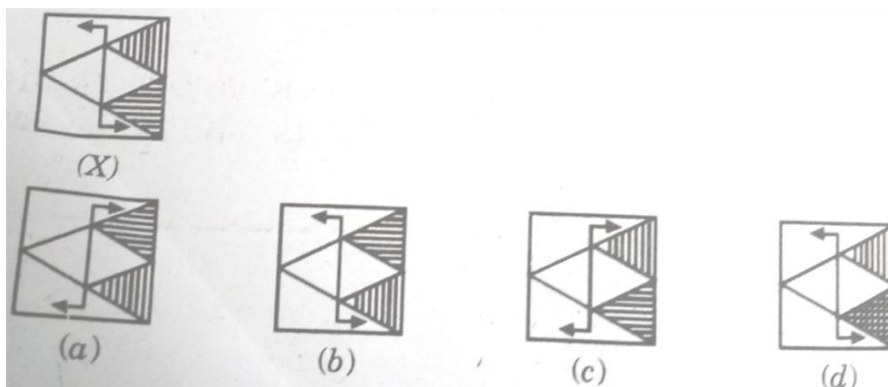
18.



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

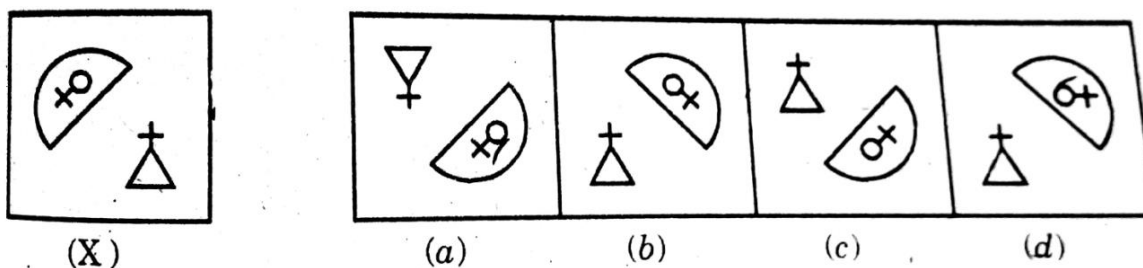
Directions (Q. No: 19): Water Image.

19.



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

20. Directions (Q. No: 19): Mirror Image.



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

MATHEMATICS (Q.NO.21 TO 35)

21. $(-1) + (-1) + (-1) + (-1) + \dots 500 \text{ times} =$

- 1) 500
- 2) 1
- 3) -1
- 4) -500

CHEMISTRY (Q.NO.51 TO 65)

- 51. Composition of air is**
1) 78%Oxygen, 21% Nitrogen and 1% of other gas
2) 21%Oxygen, 78% Nitrogen and 1% of other gas
3) 22%Oxygen, 78% Nitrogen
4) 78%Oxygen, 22% Nitrogen
- 52. Carbon dioxide turns limewater into**
1) White 2) Brown 3) Milky 4) Red
- 53. Which of the following is noble gas**
1) Helium 2) Oxygen
3) Nitrogen 4) Carbon di oxide
- 54. Gaseous State of water is**
1) Dew 2) Ice 3) Snow 4) Fog
- 55. Nitrogen dioxide dissolves in cold water to form**
1) Nitrous acid, Carbon dioxide 2) Nitric acid, Hydrochloric acid
3) Nitrous acid, Nitric acid 4) Hydrogen, Oxygen
- 56. Plants release large amount of water vapour into the atmosphere by the process of**
1) Evaporation 2) Condensation 3) Precipitation 4) Transpiration
- 57. Name the substance, which is secreted by a pupa:**
1) Chandrikas 2) Siricin 3) Reeling 4) Warp
- 58. Which of the following to be kept in the shelves where we keep clothes to make the insects away from the clothes**
1) Naphthalene balls 2) Sugar crystals
3) Salt crystals 4) Gems
- 59. Earlier man used _____ and leaves to cover his body**
1) Animal Skin 2) Clothes 3) Weep 4) Silk
- 60. Acid turn methyl orange solution_____**
1) Yellow 2) Pink 3) Orange 4) Red
- 61. Calcium hydroxide is also called**
1) Slaked lime 2) lime water
3) Both 1 & 2 4) Lime stone
- 62. Anhydrous salts regain their colour on the addition of _____**
1) Oxygen 2) Nitrogen
3) Water 4) Ammonia

63. Rusting of a nail is

- | | |
|-------------------------------|---------------------|
| 1) Physical change | 2) Chemical change |
| 3) Periodic reversible change | 4) Desirable change |

64. When a new substance is formed with different properties than the original substance is called as

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|--------------------|--------------------|
| 1) Physical change | 2) Chemical change |
| 3) Freezing | 4) Boiling |

65. When Magnesium ribbon is burnt then it is what change?

- | | |
|--------------------|----------------------|
| 1) Physical change | 2) Reversible change |
| 3) Chemical change | 4) Periodic change |

BIOLOGY (Q.NO.66 TO 80)

66. A cat can see and catch a rat even in darkness because it has a perfect

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|------------------|--------------|-------------------|------------------------|
| 1) hearing sense | 2) eye sight | 3) smelling sense | 4) sense of audibility |
|------------------|--------------|-------------------|------------------------|

67. A cat licks milk with the help of its

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|-----------|--------------|---------|----------|
| 1) tongue | 2) fore legs | 3) nose | 4) claws |
|-----------|--------------|---------|----------|

68. Animals that depend on other animals for food are called

- | | | | |
|---------------|---------------|--------------|---------------|
| 1) Herbivores | 2) Carnivores | 3) Omnivores | 4) Autotrophs |
|---------------|---------------|--------------|---------------|

69. _____ move very quickly from one side to another side of pond to catch a insect.

- | | | | |
|-----------|------------|-----------------|----------------|
| 1) Cranes | 2) lizards | 3) pond skaters | 4) wood pecker |
|-----------|------------|-----------------|----------------|

70. Animals which cannot produce their own food are called

- | | | | |
|----------------|------------------|----------------|-----------------|
| 1) Autotrophes | 2) Heterotrophes | 3) Monotrophes | 4) All of these |
|----------------|------------------|----------------|-----------------|

71. A plant which usually grows on tree barks is

- | | | | |
|-------------|---------------|---------|---------|
| 1) hyacinth | 2) china rose | 3) moss | 4) fern |
|-------------|---------------|---------|---------|

72. This bird is usually kept as a pet in our houses :

- | | | | |
|---------|----------|-----------|--------|
| 1) crow | 2) eagle | 3) parrot | 4) owl |
|---------|----------|-----------|--------|

73. An example of a farm animal :

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|-----------|----------|-------|---------|
| 1) donkey | 2) camel | 3) ox | 4) goat |
|-----------|----------|-------|---------|

74. All habitats on land are collectively called as :

- | | |
|------------------------|--------------------|
| 1) terrestrial habitat | 2) soil habitat |
| 3) pond habitat | 4) aquatic habitat |

75. The long vein present in the middle of the leaf lamina is called

- | | |
|------------|---------------------|
| 1) stalk | 2) vertebral column |
| 3) mid rib | 4) floating rib |

- 76. The part of the plant in which seeds grow is :**
1) fruit 2) root 3) stem 4) tuber
- 77. Meteorologists measure _____ using rain gauge.**
1) Temperature 2) Coldness 3) Rainfall 4) Earthquake
- 78. The quantity of moisture in the air is more. then humidity is**
1) More 2) Less 3) Remains same 4) None of the above
- 79. Cuscuta is an example of :**
1) autotroph 2) parasite 3) saprophyte 4) symbiont
- 80. Which of the following is a saprophyte_____**
1) accasia 2) mushroom 3) cascuta 4) drosera