



VIDHVATH ACADEMY FOR COMPETITIVE EXAMS

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VIDHVATH NCERT TEST-VPT019 **6, 7, 8, 9, 10TH STD: SCIENCE** **TEST BOOKLET**

Time Allowed: 30 mins

Maximum Marks: 50

1. Which of the following statement/s is/are true regarding Carbohydrates?

1. Carbohydrates are the source of energy.
2. The main types of carbohydrates are amino acid and sugar.

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 only
- (c) 1 and 2 both
- (d) None of these

2. Consider the following statements about the Vitamins:

1. They protect our body from various diseases.
2. Vitamins are Macronutrients.

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 only
- (c) 1 and 2 both
- (d) None of these

3. Cooking of foods makes it tastier but also results in the loss of some of the nutrients. Which of the following nutrient/s is/are lost during the process of cooking?

1. Fat
2. Vitamin c
3. Carbohydrates

Select the correct answer using the code given below:

- (a) 1 and 2 only

(b) 2 only

(c) 1, 2, and 3

(d) 1 and 3 only

4. Consider the following:

1. Thermocol
2. Air
3. Human body
4. Aluminium foil

Which of the above is/are example(s) of conductors of electricity?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 3 and 4 only
- (d) 4 only

5. Consider the following statements.

1. Vermicomposting is a process in which the earthworm contains converts the organic waste into manure rich in High nutritional content
2. Red worms are mainly used in vermicomposting

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

6. Consider the following statements:

1. The genetic material of the cell is only found in DNA
2. The nucleus is surrounded by the cytoplasm.

Which of the above-given statements is/are incorrect?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2 both
- (d) None of these

7. With reference to the Fixation of nitrogen, which of the following is/are true?

- 1. Azotobacter is aerobic nitrifying bacteria.
- 2. Clostridium is anaerobic nitrifying bacteria.
- 3. Nitrosomonas bacteria facilitate the transformation of nitrite to nitrate.
- 4. Symbiotic bacteria like Rhizobium also help in the fixation of Nitrogen.

Select the correct answer using the code given below:

- (a) 1, 2, and 3 only
- (b) 1, 3 and 4 only
- (c) 1, 2 and 4 only
- (d) 1, 2, 3, and 4

8. Consider the following statements:

- 1. The liver is the largest of the Endocrine gland in the Human body.
- 2. The liver is the highest Regenerative capacity among human organs.

Which of the above-given statements is/are incorrect?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2 both
- (d) None of these

9. Which of the following is/are part of the human digestive system?

- 1. Small intestine
- 2. Lungs
- 3. Oesophagus
- 4. Anus
- 5. Buccal cavity
- 6. Kidney.

Select the correct answer using the code given below:

- (a) 1, 3, 4 and 5 only
- (b) 1, 3, 4, 5 and 6 only
- (c) 1, 2, 3, 5 and 6 only

(d) 1, 2, 3, 4, 5 and 6

10. In the context of lenses, consider the following assertions:

- 1. The image formed by a convex lens is real, inverted and large in size than the object.
- 2. The image formed by a concave lens is always virtual, erect, and smaller in size than the object.

Which of the above assertions is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

11. Consider the following sentences given with reference to Conservation of Water:

- 1. 22 March is celebrated as the world water day by the United Nations.
- 2. The amount of water recommended by the United Nations for drinking, washing, cooking and maintaining proper hygiene is a minimum of 80 litres per person per day.
- 3. Recently, Year 2013 was observed as the International Year of Freshwater to make people aware of this dwindling natural resource.

Which of the above statements is/ are correct?

- (a) Only 1
- (b) Only 1 and 2.
- (c) Only 2 and 3
- (d) All of the above

12. Among the following options given, the correct statements with reference to Pasteurisation is:

- (a) Pasteurisation promotes the growth of microbes good for human beings.
- (b) Pasteurised milk can be consumed without boiling as it is free from harmful microbes.
- (c) The milk is heated to about 50°C for about 1 min. and then suddenly chilled and stored.
- (d) None of the above

13. With reference to 'plant cell', consider the following sentences given:

1. Several small coloured bodies in the cytoplasm of the cells of Tradescantia leaf are scattered in the cytoplasm of the leaf cells are called plastids.
2. Green coloured plastids are called chloroplasts.

Which of the above statements is/ are correct?

- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2
- (d) Neither 1 nor 2

14. With reference to 'changes at Puberty', which of the following lists of sentences is/ are correct?

1. At initial stages, girls grow more faster than boys but both attained their maximum height at the age of 18 years.
2. In girls, waist as well as shoulders both are widen whereas in boys only shoulder widen.
3. At the age of puberty, the growing voice box in boys can be seen as a protruding part of the throat called Adam's apple.

Which of the above statements is/ are correct?

- (a) Only 1 and 2
- (b) Only 1 and 3
- (c) Only 2 and 3
- (d) All of the above

15. With reference to 'Friction force', consider the following example given:

1. The force of friction acts on all the moving objects and its direction is always opposite to the direction of motion.
2. When boat stop once as we stop rowing is a example of force of friction which is also called as contact force.

Which of the above statements is/ are incorrect?

- (a) Only 1
- (b) Only 2

- (c) Both 1 and 2
- (d) Neither 1 nor 2

16. Consider the following list of Forces:

1. Magnetic Force
2. Electrostatic Force
3. Gravitational Force
4. Muscular Force

Which of the above is/ are the examples of Noncontact force?

- (a) Only 1, 2 and 3
- (b) Only 2, 3 and 4
- (c) Only 3 and 4
- (d) All of the above

17. Which of the following statements are correct?

1. Statement: Physical state of a substance can be changed by changing its temperature
 2. Statement: Physical state of a substance can be changed by changing pressure
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

18. Which one of the following statements is correct?

1. In solids, molecules are tightly packed.
 2. Force of attraction between molecules in solids is very weak
- (a) 1 only
 - (b) 2 only
 - (c) Both statements are correct
 - (d) Both statements are incorrect

19. Which one of the following is correct about gas?

- (a) A gas does not have a fixed shape.
- (b) A gas does not have fixed volume.
- (c) A gas can be compressed easily.
- (d) All the above

20. Which of the following will show the "Tyndall effect"?

- (a) Salt Solution
- (b) Milk

- (c) Copper sulphate Solution
- (d) Non Starch Solution.

21. Consider the following statements;

1. Bohr discovered the neutrons.
2. Neutrons are present in the nucleus of all the atoms.

Which of the above are incorrect?

- (a) 1 only
- (b) 2 only
- (c) both 1 and 2
- (d) none of the above

22. Consider the following statements;

1. An isotope of uranium is used as a fuel in nuclear reactors.
2. An isotope of cobalt is used in the treatment of cancer.
3. An isotope of iodine is used in the treatment of goitre.

Which of the above are correct?

- (a) 1 and 3 only
- (b) 2 and 3 only
- (c) 3 only
- (d) All of the above

23. Which of the following are classified as micronutrients for plants?

1. Iron
2. Potassium
3. Sulphur
4. Copper

Select the Solution using the codes below.

- (a) 3 only
- (b) 4 only
- (c) 1 and 2 only
- (d) 1 and 4 only

24. The ceilings of cinema halls, conference halls and concert halls are generally curved in order to:

- (a) Reflect sound to all corners of the cinema hall.
- (b) Create a phase difference in sound.
- (c) Create an echo effect in sound.
- (d) Increase volume of air for faster transmission of sound.

25. A man is pushing hard against a rigid brick wall. In this context, which among the following is correct?

- (a) The internal energy used by the man is zero.
- (b) The work done by the man is zero.
- (c) The force applied by the man is zero.
- (d) None of the above