



# GYANODAYA GURUKUL

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## Half Yearly Examination – (2019-20)

**Class: - VII**  
**Subject: - Science**

**F.M.: - 80**  
**Duration: - 3 hr**

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### General Instructions:-

- All questions are compulsory.
- Read the questions carefully and write the answers in the answer sheets provided.
- Do not answer the questions randomly. Attempt all the questions of one section before moving on to another section.
- Do not write anything on the question paper.

### 1. Tick the correct options. (5)

1. Which of the following can make its own food?

- a.) Giraffe      b.) Goat      c.) Grass      d.) Gorilla

2. Which of the following are for biting and cutting the food?

- a.) Premolars      b.) Canines      c.) Molars      d.) Incisors

3. The most common variety of silk is:

- a.) Tassar Silk      b.) Mooga Silk      c.) Mulberry Silk      d.) Kosa Silk

4. Which of the following is not an insulator?

- a.) Brick      b.) Bamboo      c.) Brass      d.) Cardboard

5. One of the following is not an organic acid. This is:

- a.) Acetic Acid      b.) Formic Acid      c.) Citric Acid      d.) Carbonic Acid

2. Fill in the blanks. (5)

1. Excessive use of chemical fertilizers make the soil \_\_\_\_\_.
2. Temperature is measured in degree \_\_\_\_\_.
3. Sheep are \_\_\_\_\_ and \_\_\_\_\_ prefer grass and leaf .
4. The finger like projections on the body of Amoeba are called \_\_\_\_\_.
5. In photosynthesis, solar energy is captured by the pigment called \_\_\_\_\_.

3. State whether the following statements are True or False. (5)

1. The product of photosynthesis is not a protein.
2. Iron and rust are same substance.
3. Cutting a log of wood into pieces is a chemical change.
4. Solar energy is converted into chemical energy during photosynthesis.
5. Plants which synthesise their food themselves are called saprotrophs.

4. Match the following. (5)

Column A

1. Chlorophyll
2. Nitrogen
3. Amarbel
4. Animals
5. Insects

Column B

- a. Rhizobium Bacteria
- b. Heterotrophs
- c. Pitcher Plant
- d. Leaf
- e. Parasite

**5. Very short answer type questions. (10)**

- 1. What is photosynthesis?**
- 2. What is the other name of food pipe?**
- 3. Name two fibers obtained from animals.**
- 4. What is the usual temperature range of a laboratory thermometers?**
- 5. Name two gaseous pollutants which caused acid rain.**

**6. Short answer type questions. (30)**

- 1. What is an indicator? Name three indicators.**
- 2. What is a physical change and chemical change? Give two examples of physical change and two examples of chemical change.**
- 3. What happens if an animal dies in the forest?**
- 4. What is sludge? Explain how it is treated.**
- 5. Why do farmers spread fertilizers and manures in the field?**
- 6. What is the role of mucus in stomach?**
- 7. What is meant by the term 'sericulture?'**
- 8. Define conduction. Give one example where heat is transferred by the process of conduction.**
- 9. Why do we get instant energy from glucose?**
- 10. Name four types of silk. State whether silk is an animal fibre or a plant fibre.**

**7. Long answer type question.**

**(20)**

- 1. Describe briefly, how wool is obtained from sheep and processed to make woolen yarn.**
- 2. Give a brief description of the process of photosynthesis of food in green plants. What is chlorophyll? What is the role of chlorophyll in photosynthesis?**
- 3. What is meant by digestion? Name two the various organs of the human digestive system. Also name the associated glands.**
- 4. What is a base? Name any two bases. How can you test the presence of base in a substance?**
- 5. Describe the blowing of sea-breeze and land-breeze in coastal areas with the help of labelled diagrams.**