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MAR THOMA RESIDENTIAL SCHOOL THIRUVALLA
SECOND TERMINAL EXAMINATION 2017-18

BIOLOGY

STD: VII

TIME: 1HR 30 MNS

MAX. MARKS: 80

SECTION-1 (40 Marks)

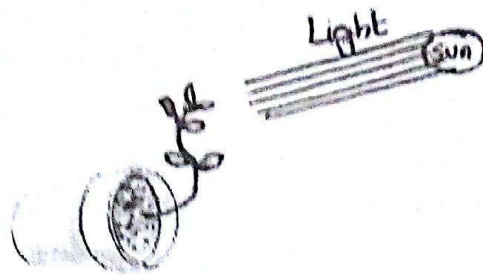
Question 1

- a. Name the following (10)**
1. Finger like projection in small intestine
 2. Type of Movement in Euglena
 3. Kidney shaped cells surrounding Stomata.
 4. Storage form of glucose in plants.
 5. Organ where bile is stored in the body.
 6. Enzyme present in Saliva.
 7. Protein present in Milk.
 8. Disorder due to deficiency of Iodine.
 9. Joint between the skull and the first Vertebrae
 10. Movement of plants in response to stimulus of Moisture.
- b. Define the following terms (5)**
1. Geotropism
 2. Balanced diet.
 3. Food Fad
 4. Digestion
 5. Nutrition
- c. Write down any one function of each of the following (5)**
1. Rib cage
 2. Dorsal fin in fish
 3. Pseudopodia
 4. HCl
 5. Bile
- d. Find out the odd one and give reasons (10)**
1. Calcium, Iron, Iodine, Sodium, Albumin
 2. Caecum, Rectum, Ileum, Colon
 3. Rickets, Goitre, Scurvy, Beriberi
 4. Erepsin, Sucrase, Maltase, Trypsin
 5. Glucose, Fructose, Lactose, Cellulose
- e. Write one point of difference between the following (10)**
1. Assimilation and Absorption
 2. Autotrophic and Heterotrophic nutrition
 3. Homodont and Heterodont Condition
 4. Ingestion and Egestion
 5. Hinge joint and Gliding joint

SECTION -2 (40 marks)

Question 2

a. The diagram below shows a type of movement in plants. Study it and answer the questions. (5)



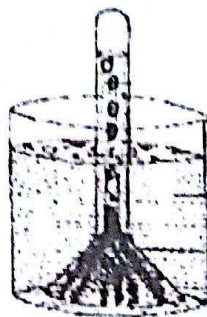
1. Name & Explain the type of movement shown here.
2. What is the type of movement shown by a touch-me-not plant? How it differs from the movement in this diagram?
3. What is the difference between movement and locomotion?

b. Give the exact location of the following (5)

1. Capsule
2. Cranium
3. Acetabulum
4. Duodenum
5. Canine

Question - 3

(a) Study the diagram below and answer the questions that follow



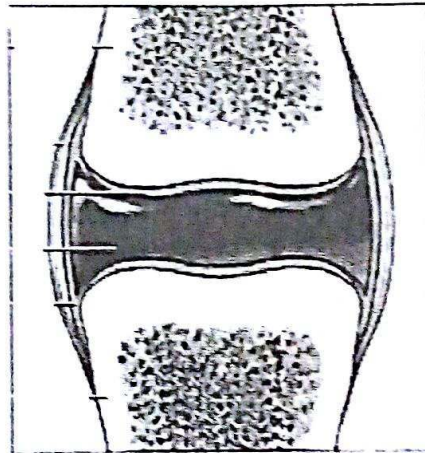
1. Name the process (1)
2. Define and represent it in the form of an equation (2)
3. What are the factors essential for this process? (2)

(b) Explain the biological terms (5)

1. Emulsification
2. Peristaltic movement
3. Mastication
4. Obesity
5. Roughage

Question No.4

- (a) Draw a labelled diagram of stomata (3)
Explain the mechanism of opening and closing of stomata (2)
- (b) Given below is the diagram of a joint. Based on this, answer the following questions (5)



1. Identify the joint
2. Name the fluid present in this joint
3. What is its function?
4. Name connective tissue that binds bones together.

Question No. 5

(10)

1. "Triceps and Biceps work together to bend the arms up and straighten". Explain
2. List out the different types of teeth. Mention their functions too.
3. Prepare a table showing different enzymes present in pancreatic juice and their respective roles in the process of digestion?
4. Which are the nutrients referred to as protective nutrients and why?
5. A sample of food is given to you. With the help of an activity prove that it contains starch.