



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Subrat Sar  
6/8/19

## Second Term Test - 2019

Sub: \_\_\_\_\_ Life Science \_\_\_\_\_ Class: \_\_\_\_\_ 7 \_\_\_\_\_ F. M. \_\_\_\_\_ 80 \_\_\_\_\_

Duration: \_\_\_\_\_ 2.30 hr \_\_\_\_\_

Date: \_\_\_\_\_ 05.08.2019 \_\_\_\_\_

### Group A

1. Choose the correct answer:

1x5=5

a. Frogs belong to class -

- (i) Aves                      (ii) **Amphibia**                      (iii) Pisces                      (iv) Mammalia

b. Rodule is present in -

- (i) Reptilia                      (ii) Aves                      (iii) **Molluscs**                      (iv) Amphibia

c. Mycelia are found in-

- (i) Ferns                      (ii) Mosses                      (iii) **Moulds**                      (iv) Bacteria

d. Chlorophyll is essential to trap -

- (i) Water                      (ii) Carbon dioxide                      (iii) **Solar energy**                      (iv) Oxygen

e. Alcohol is produced in plants during -

- (i) **Anaerobic respiration**                      (ii) Aerobic respiration                      (iii) Transportation  
(iv) Photosynthesis

2. Fill in the blanks:

1x10=10

a. **ANAEROBIC** respiration do not require oxygen.

b. **KINGDOM** is the largest unit of classification.

c. Vertebrates belong to the phylum **CHORDATA**

d. **SPECIES** is the smallest unit of classification.

e. A chloroplast consists of 2 parts **GRANA** and **STOMA**

f. **GLUCOSE** and **OXYGEN** are the end products of photosynthesis.

g. **ALLERGENS** are the substances that cause allergies.

h. To avoid **ALLERGENS** are the best way to prevent allergy.

3. State true or false:

1x5=5

a. Cockroaches do not cause allergies. **FALSE**

b. Dust mites feed on dead skin. **TRUE**

c. Penicillin can cause an allergic reaction. **TRUE**

d. Chloroplasts are used for respiration. **FALSE**

e. Stomata are mostly present in root. **FALSE**

4. Match the following:

1x5=5

a. Site of respiration	<b>c</b>	i. Anaerobic respiration
b. Site of photosynthesis	<b>e</b>	ii. Asthma
c. Occurs without oxygen	<b>d</b>	iii. Spores
d. Airborne allergen	<b>b</b>	iv. Chloroplast
e. Tightening of the airways	<b>a</b>	v. Mitochondria

Group B

5. Answer the following:

2x4=8

- Name the different types of allergen **PERENNIAL AND SEASONAL**
- What type of allergen is present in body spray? **AIRBORNE & CONTACT**
- What is stomata? **PORE IN THE LEAVES**
- What are guard cells? **CELLS WHICH HELPS TO OPEN AND CLOSE STOMATA**

6. Answer any four:

3x4=12

- What is haemolymph? **BODY FLUIDS OF ARTHOPODS**
- How do fungi differs from plants? **CHITIN IS PRESENT IN CELL WALL OF FUNGI CELLULOSE IN PLANTS; FUNGIS ARE SAPROPHYTIC PLANTS ARE AUTOTROPIC; FUNGI STORES FOOD AS GLYCOGEN PLANTS AS STARCH**
- What are the factors that affect photosynthesis? **LIGHT, CHLOROPHYLL, CARBON DIOXIDE, WATER AFFECTS PHOTOSYNTHESIS**
- Name two contact allergens and describe their symptoms caused. **ANY TWO**
- What is anaphylaxis? **SEVERE ALLERGY PRODUCED BY TOXINS OF PLANTS INSECTS AND SOME MEDICINE WHICH MAY LEAD TO DEATH IS CALLED ANAPHYLAXIS**
- How do dust mites trigger air borne allergy? **THE SALIVA PARTICLES OF DUST MITES AND FAECES TRIGGER AIRBORNE ALLERGY**

Group C

7. Answer any seven:

5x7=35

- Describe the structural features of Amoeba. **THE CELL OF AMOEBA IS SORROUNDED BY A FLEXIBLE CELL MEMBRANE. THE CYTOPLASM IS DIVIDED INTO ECTOPLASM THE OUTER PART AND THE INNER PART IN GRANULAR ENDOPLASM. NUCLEUS AND OTHER ORGANELLES ARE MEMBRANE BOUND AND ARE SUSPENDED IN THE ENDOPLASM DUE TO PSUDOPODIA IT CAN MOVE TO ANY DIRECTION.**
- What are the characteristics features of birds? **BIRDS OR AVES ARE WARM BLOODED ANIMAL BODY IS COVERED WITH FEATHERS. FORE LIMBS ARE REPLACES BY WINGS THEIR BONES ARE HOLLOW MAKING THEIR BODY LIGHT AND HELPS THEM FLY. THEY ARE OVIPEROUS AND CARE THEIR YOUNG ONES TILL THEY ARE ABLE TO FEND FOR THEMSELVES.**

- c. Name useful effects of fungi. **FUNGUS ARE USED IN BAKERIES. IT IS ALSO USED TO PREPARE FERMENTED DOUGHS FOR IDLI DHOKLA NUN ETC. YEAST IS ALSO USED FOR MAKING ALCOHOL. WE GET ANTIBIOTIC ALSO WE EAT E.G. MUSHROOM. IT ALSO INCREASES THE FERTILITY OF SOIL ALSO USED TO MAKE CHEESE.**
- d. Why should we add more plants to our surroundings? **PLANTS GIVE OXYGEN AND TAKES AWAY CARBON DIOXIDE BY PHOTOSYNTHESIS. IT CREATES OXYGEN-CARBON DIOXIDE BALANCE IN AIR. PLANTS ABSORB TOXIC SUBSTANCES FROM AIR- PLANTS HELP IN MAINTAINING RAINFALL- PLANTS ALSO HELP TO PREVENT SOIL EROSION.**
- e. What are the significances of photosynthesis? **IT IS THE PROCESS WHICH MAKES FOOD ONLY NATURAL PROCESS WHICH TRAPS SOLAR ENERGY IN EARTH. IT GIVES OXYGEN AND MAINTAINS CARBON DIOXIDE-OXYGEN BALANCE. IT HELPS IN CONTROLLING GREEN HOUSE EFFECT HENCE GLOBAL WARMING.**
- f. What is skin prick test? Describe it. **SKIN PRICK IS A TEST IN WHICH A DROP OF LIQUID CONTAINING ALLERGEN IS PLACED ON SKIN AND THE SKIN IS PRICKED BY A NEEDLE THUS THE ALLERGEN ENTERS THE SKIN AND REACTS IF THERE IS REACTION THEN THE SUBSTANCE IS ALLERGIC TO THE PERSON.**
- g. Name two medicine, two food item and two cosmetics which may cause allergy. **PENICILLIN ASPIRIN BRINJAL PRAWN PERFUME CREAM & ANYTHING ELSE**
- h. Give the flow chart of Animal Kingdom. **PAGE - 32**
- i. Draw a diagram of cell and label nucleus nucleolus plastid and cell wall.

