



Grade 8

Science

Time : 1 hour

12 – Life cycles of living organisms.

- Underline the most suitable answer.

(1) An organism having complete metamorphosis is,

- i) Cockroach ii) Frog iii) Butterfly iv) Cricket

(2) This is not a stage of fruit fly,

- i) Eggs ii) Pupa iii) Larva iv) Nymph

(3) Tadpole is,

- i) Herbivorous ii) Having lungs to respire
 iii) Having two fins to locomote iv) Omnivorous

(4) a) Eggs of the butterfly stick on the lower surface of plant leaves.

b) Caterpillar is having hair containing venom to protect from predators.

Correct statements out of the above are,

- i) Only a ii) Only b
 iii) a and b iv) All are incorrect

(5) Coconut red weevil is damaged,

- i) Only to fruit ii) Only to stem
 iii) Only to leave iv) to all fruit, stem and leanes

(6) This is not a disease spread through mosquitoes,

- i) Typhoid ii) Filaria iii) Malaria iv) Dengue

(7) Which of the following pest insect that damage the crop by both, larva and adult stages?

- i) Fruit fly ii) Coconut red weevil
 iii) Paddy bug iv) Mealy bug

(8) This is not a pest plant that destroy the crops,

- i) Kudametta ii) Thunessa iii) Bajiri iv) Kuppamenia

- (9) Due to use of chemical pesticides,
- i) Only destroy beneficial organisms. ii) No damage to soil
 iii) Collapse the environmental balance iv) No effect to water
- (10) A traditional method used in the past control pests is,
- i) Use of insecticides
 ii) Light trapping
 iii) Use of chemical pesticides
 iv) Growing new plants which are resistance to pests (10 x 2 = 20 marks)

• Answer all questions.

- (1) Select the correct answer and write in front of the relevant description.
 (Thunessa, Adult, house fly, Guava, Cockroach)
- i) The stage of Mealy bug that destroy the crop –
 ii) A nymph that doesn't possess wings –
 iii) A plant that destroy by the fruit fly –
 iv) A pest plant that destroy the crops –
 (2 x 5 = 10)
- (2) i) What do you mean by a life cycle? (2 marks)
 ii) Define the term metamorphosis. (2 marks)
 iii) What are the two main categories of life cycles? Give an example for each. (2 marks)
 iv) Mention 2 differences between an adult and the nymph of cockroach. (2 marks)
 v) Write two adaptations of tadpole to live in water. (2 marks)
 (10 marks)
- (3) i) Mention the food of butterfly and name the special appendage which is used to obtain that food. (2 marks)
 ii) Write 2 uses of studying about life cycle. (2 marks)
 iii) What do you mean by pests. (2 marks)
 iv) Mention the sensitive stage of following organisms. (2 marks)
 v) Write 2 methods that can be taken to control fruit fly. (2 marks)
 (10 marks)

(Total 50 x 2 = 100)