

LOWER SIXTH SCIENCE

DURATION 1H

BIOLOGY

SCHOOL YEAR 2020/2021

THIRD TERM EXAM**Instruction : Answer all questions on this paper****Section A: MCQ 20 marks**

- 1) The major distinguishing characteristics of Arthropods is
 - A. They are triploblastic
 - B. They are coelomates
 - C. They have jointed appendages
 - D. They are bilaterally symmetrical
- 2) The group of Arthropods with biramous appendages
 - A. Insects
 - B. Malacostraca
 - C. Diplopods
 - D. Chilopods
- 3) The most successful and abundant Arthropods
 - A. Arachnids
 - B. Insects
 - C. Diplopods
 - D. Chilopods
- 4) Ovoviviparity is a condition where eggs develop and hatch inside the body of the female. This is common in:
 - A. Arachnids
 - B. Insects
 - C. Diplopods
 - D. Chilopods
- 5) The shedding of the exoskeleton of insects
 - A. Moulting
 - B. Metamorphosis
 - C. Development
 - D. Transformation
- 6) A hemimetabolous insect
 - A. Mosquito
 - B. Housefly
 - C. Butterfly
 - D. Cockroach
- 7) The following belong to the group except
 - A. Mosquito
 - B. Honeybee
 - C. Termites
 - D. Ants

- 8) In a garden food chain, a herbivore would be
- A. Beetle
 - B. Grasshopper
 - C. Cockroach
 - D. Mosquito
- 9) A hormone that controls moulting in insects:
- A. Juvenile hormone
 - B. Adult hormone
 - C. Aldosterone
 - D. Cortisol
- 10) Insects that undergo complete metamorphosis are said to be
- A. Holometabolous
 - B. Hemimetabolous
 - C. Primitive
 - D. Ametabolous
- 11) A diagnostic feature of Echinoderms
- A. Presence of Notochord
 - B. Possess tube feet
 - C. Are bilaterally symmetrical
 - D. Presence of radula
- 12) Which of the algae below is commonly called a brown alga?
- A. Euglena
 - B. Fucus
 - C. Spirogyra
 - D. Chlamydomonas
- 13) Phylogenetic classification is based on :
- A. Biochemistry of organisms
 - B. External features of organisms
 - C. Evolutionary relationship between organism
 - D. Behaviour of organisms
- 14) Respiration in bacteria is carried out by
- A. Mitochondrion
 - B. Cell surface membrane
 - C. Cytoplasm
 - D. Mesosome
- 15) One of the following does not produce hyphae
- A. Breadmould
 - B. Penicillium
 - C. Yeast
 - D. Mushroom
- 16) Sori are characteristics of :
- A. Mosses
 - B. Marchantia
 - C. Ferns
 - D. Lycopodium
- 17) Plants that bear naked seeds
- A. Bryophytes

- B. Angiosperms
- C. Conifers
- D. ferns

18) Seeds that have air spaces in them will be likely dispersed by

- A. Heat
- B. Water
- C. Wind
- D. Animals

19) Possess cycloid scales

- A. Frog
- B. Toad
- C. Tilapia
- D. Shark

20) Have a four chambered heart, have teeth and are homoeothermic

- A. Amphibians
- B. Reptiles
- C. Birds
- D. Mammals

SECTION B: Complete the table below 12 marks

Organism	Phylum	Class	Habitat
Amoeba			
Mushroom			
Obelia			
Crayfish			
Butterfly			
Snail			
Guinea pig			
Mango tree			

SECTION C: 08 marks

1a) Draw a large and well annotated diagram of a Bony fish

b) Why is the fish referred to as "Bony"?