

# BIO 102

## REVISION TEST QUESTIONS

COMPILED BY: SIPISI MEDIA NETWORK

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### BIO 102 2015/2016 - SIPISI MEDIA

(1) Animals that kill and devour their prey are called

**Ans: Predators**

(2) Organisms that survive in both land and water are called \_\_\_\_\_

**Ans: Amphibians**

(3) Plants that thrive in desert environment are called

**Ans: Xerophytes**

(4) \_\_\_\_\_ is the group of animals that lay eggs.

**Ans: Monotremes**

(5) \_\_\_\_\_ is the key to the angiosperms life cycle.

**Ans: Flower**

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(6) \_\_\_\_\_ is the most successful of all assembled in the Ribosome.

**Ans: Anthropolod**

(7) \_\_\_\_\_ is the process by which a protein is assembled in the Ribosome.

**Ans: Protein Synthesis**

(8) \_\_\_\_\_ is the process that results in the production of DNA from the RNA molecule.

**Ans: Transcription**

(9) A process called fertilization yield \_\_\_\_\_ and endosperms.

**Ans: A diploid Zygote**

(10) Basidiomycota belongs to almost all the species that produce a \_\_\_\_\_

**Ans: Fruiting Body**

(11) Blood enclosed exclusively in blood vessels and hearts is termed.

**Ans: Hemolymph**

(12) Fruit ripening involve rapid increase in synthesis \_\_\_\_\_

**Ans: Ethylene**

(13) In plants initiation of flowering in response of photoperiod is triggered by changes in \_\_\_\_\_

**Ans: Phytochrome/Light**

(14) On the under surface of the spores of the fern, there are numbers of dark brown structures called \_\_\_\_\_

**Ans: Sori/Sorus**

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(15) Pteridophytes are among the vascular plant and leaves called.

**Ans: Vascular Cryptograms**

(16) The Angiosperms which make up the vast majority of modern plant species are classified into an organism called \_\_\_\_

**Ans: Dicots**

(17) The cycle that led man to manage and recycle waste using natural biodegrading organisms is called \_\_\_\_\_

**Ans: Bioremediation**

(18) The multicellular short staked club shaped body of a moss plant is called \_\_\_\_\_

**Ans: Antheridium**

(19) The red pigment are treated by \_\_\_\_\_

**Ans: Dermatologist**

(20) The study of forms through the ultra-structure of the cells are known as \_\_\_\_\_

**Ans: Morphology**

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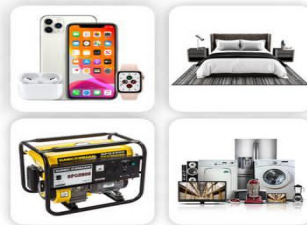
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(1) LIST FOUR STRUCTURES OF THE CHORDATA

Ans:

- A dorsal hollow nerve cord
- The Post anal tail
- The notochord
- The Pharyngeal Slit

(2) MENTION FOUR EFFECTS CAUSED BY AGROMECHANICALS

Ans:

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- Adverse effect on soil fertility and crop productivity
  - Inhibition of nitrogen-fixing soil microorganisms
  - Alteration of ecological balance of the soil microflora
  - Suppression of nitrifying bacteria by soil fumigants

(3) STATE THREE ADVANTAGES OF BRYOPHYTES OVER THALLOPHYTES

Ans:

- Multicellular Antherida
- Distinct Alternation of Generation
- Development of Archegonia

(4) OUTLINE FOUR IMPORTANCE OF FLOWERING

PLANTS

- They Ornamental
- They aid in Pollination
- They aid in Plant Production
- They Protect the reproductive part of the flower

(5) LIST FIVE ADAPTIVE FEATURES OF A MAMMAL

- Hibernation
- Migration
- Mimicry
- Protective Coloration
- Behavioral Adaptation



(1) Metamorphosis and ecdysis are phenomena found among the \_\_\_\_\_

**Ans: Arthropod**

(2) \_\_\_\_\_ and \_\_\_\_\_ are the character that have Successfully been transfered into crops using biotechnical techniques.

**Ans: Improved Palatability and Improved Nutrition**

(3) \_\_\_\_\_ is the role of phytohormone ethylene fruit.

**Ans: Ripening of Fruit**

(4) Jawlessfish belongs to the class \_\_\_\_\_

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**Ans: Class Agnatha in the phylum chordata**

(5) After \_\_\_\_\_ in bryophyte a zygote result which on germination develop in a \_\_\_\_\_

**Ans: Sexual Reproduction and Gametophytes**

(6) The septate hyphae is common in kingdom \_\_\_\_\_

**Ans: Kingdom Fungi**

(7) The most primitive multicellular animal with radially symmetric body are members of the \_\_\_\_\_

**Ans: Phylum Porifera**

(8) \_\_\_\_\_ gas is responsible for global warming.

**Ans: CO<sub>2</sub> (Carbon di oxide)**

(9) The variety of all forms of life on earth is known as \_\_\_\_\_

**Ans: Biodiversity**

(10) \_\_\_\_\_ is a stable symbiotic relationship between plants and fungi

**Ans: Mycorrhiza**

(11) \_\_\_\_\_ can transform nitrogen gas present in the atmosphere into nitrate compound in plant roots.

**Ans: Nitrogen Fixing Bacteria**

(12) \_\_\_\_\_ is an illness resulting from the ingestion of microbial toxins with food.

**Ans: Food intoxication**

(13) \_\_\_\_\_ is a free living Platyhelminthes.

**Ans: Flatworm**

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(14) The cartilaginous fish possess \_\_\_\_\_ scales.

**Ans: Placoid**

(15) \_\_\_\_\_ can transform nitrogen gas present in the atmosphere into compound plant roots.

**Ans: Nitrogen Fixing Bacteria**

(16) Metazoans are referred to as \_\_\_\_\_

**Ans: Metazoan**

(17) Biotechnology was introduced by \_\_\_\_ in the year

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(1) \_\_\_\_\_ is the distinguish feature found among Vertebrates

**Ans: Notochord**

(2) Bony fishes are called bony because.

**Ans: They have skeleton or Cones**

(3) \_\_\_\_\_ is an example of an amphibian.

**Ans: a Frog**

(4) \_\_\_\_\_ is annelida and also \_\_\_\_\_

**Ans: Phylum Annelida and Platyhelminthes**

(5) \_\_\_\_\_ is the complimentary base of thymine in a RNA molecule

**Ans: Adenine**

(6) The breakdown of pesticide by a biological unit is  
known as.

**Ans: Biodegradation**

7) In a DNA molecule, the complementary base of  
thymine is \_\_\_\_\_

**Ans: Adenine**

(8) \_\_\_\_\_ is the phase in the dominant plant in Bryophytes

**Ans: Gametophytic Phase**

(9) The angiosperms which make up the vast majority of modern plant species are  
classified in a division called

**Ans: Dicot**

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(10) Lower plants are generally called \_\_\_\_\_

**Ans: Cryptograms**

(11) The pioneers of terrestrial ecosystem are \_\_\_\_\_

**Ans: The Bryophytes**

(12) \_\_\_\_\_ is the structure or chamber that contains megaspores.

**Ans: Megasporocytes**

(13) Organisms that manufacture their own food are called \_\_\_\_\_

**Ans: Autotrophs**

(14) Symmetry in biology is the balanced distribution of \_\_\_\_\_

**Ans: Body parts or Shapes**

(15) \_\_\_\_\_ is the meristematic region along the sides of stems and roots.

**Ans: Lateral Meristematic**

(16) Most seed plants increase their diameter through \_\_\_\_\_ producing wood and bark.

**Ans: Apical**

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1. Another name for Ecology Natality is \_\_\_\_\_

**Ans. Birth Rate**

2. The two types of resources in the ecosystem are \_\_\_\_\_ and \_\_\_\_\_

**ans. Renewable and Non Renewable**

3. Chemicals used to destroy rodents are called \_\_\_\_\_

**Ans. Rodenticide**

4. Fruits ripening involves rapid increase in \_\_\_\_\_ Synthesis

**Ans. Abisic Acid**

5. Organism that is capable of causing illness to man is known as \_\_\_\_\_

**Ans. Pathogens**

6. The Fertility of soil that comprises of living components is known as \_\_\_\_\_
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**Ans. Humus**

7. \_\_\_\_\_ is a characteristic that separates chordates from all other animals

**Ans. the presence of a post-anal tail, a notochord, a dorsal, hollow nerve cord, and pharyngeal slits**

8. Increasing Greenhouse gases will most likely lead to \_\_\_\_\_

**Ans. Depletion of the Ozone layer**

9. \_\_\_\_\_ Is the blue green algae that are used as Bio fertilizer

**Ans. Cyanobacteria**

10. The Genetic modification of cereals like rice to express carotene is aimed at Improving it's \_\_\_\_\_

**Ans. increases the nutritional value of crops**

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