



**ELIZADE UNIVERSITY,
ILARA-MOKIN, NIGERIA**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2017/2018 ACADEMIC SESSION

COURSE CODE: BIO 101

COURSE TITLE: GENERAL BIOLOGY I

DURATION: 2 HOURS

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS
ANSWER ALL) QUESTIONS

1. Why are Algae referred to as autotrophic organism?.....

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2. List any four (4) characteristics of Algae you have studied and name any two groups

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3. State four differences between Mitosis and Meiosis

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4. List Any five organelles of plant cell and states their biological functions

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5. Biology recognizes the.....as the basic unit of life, as the basic unit of heredity, and.....as the engine that propels the creation of new species.

6. Mention three (3) reasons why the Study of Biology is Important?

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7. What does the Science of Life entails/do?

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8. Explain the following branches of Biology:

i. Ecology.....
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ii. Botany.....
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iii. Zoology.....
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iv. Microbiology.....
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v. Physiology.....

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9. Bacteria are broadly classified into how many groups?

Name them.....

10. Mention and briefly explain five (5) stages of mitotic division.

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11. In Plants food (carbohydrates) is stored in form of while in Animals

food is stored in form.....

12. State two (2) reasons why we classify organisms (plants).

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13. List three (3) main domains/group of classifying organisms

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14. List five (5) main domains/groups of classifying organisms

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15. Why are organisms referred to as thallus?

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16. List five (5) carrier opportunity the study of Biology can provide

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17. (i) What type of reproduction is found in Bacteria?.....

(ii) List the different ways/forms of the reproduction?

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18. How are Pteridophytes (ferns) different from seed plants?

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19. The male reproductive organ/cell in bryophytes is called.....while
the

female organ/cell is called

20. How are they (ferns) similar to land plants?

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21. (i). What are vascular plants?

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.....

Give example of group (s).....

22. List the two stages in the life cycle of Bryophytes and which of the stages is dominant

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23. The process that results in the production of egg is called.....

24. List three (3) economic importance of ferns

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25. State five (5) differences between eukaryotic and prokaryotic organisms?

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26. List two living and non-living characteristics of virus

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27. What is the main feature that distinguishes angiosperms from gymnosperms?

28. State three (3) differences between the groups of angiosperms and give one example each

29. What is pollination?

30. What are the different means/ways by which pollination occur?

31. What is Double fertilization?

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32. List the components of both the male and female reproductive organs in flowering plants

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