



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

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2018/2019 ACADEMIC SESSION

COURSE CODE: BIO 101

COURSE TITLE: GENERAL BIOLOGY 1

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. Distinguish between yeast and mould.

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4. What is a bacteriophage?

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5. State Three (3) differences between sexual and asexual reproduction in living organism

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6. Mention Three (3) different forms of **shape** and **arrangement** you have studied in Bacteria

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7. List Two (2) economic importance of Bryophytes

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8. State Two (2) differences between Bryophytes and Pteridophytes

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9. Using their diversity, bacteria classification are based on how many criteria?

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Name them

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

11. Describe the **five** (5) main processes involved in viral replication in a host cell

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12. With the aid of a diagram **only**, describe the life cycle of a bacteria cell?

13. What type of reproduction is found in Bacteria?.....

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

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15. The male reproductive organ/cell in bryophytes is calledwhile the female organ/cell is called

16. Name and state the function of five organelles of plant cell

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17. (a) What are vascular plants?

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(b) Give two (2) examples of the group (s)

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18. List the two (2) stages in the life cycle of Bryophytes and which of the stages is dominant

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19. List three (3) Economic Importance of Ferns

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

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21. State three (3) differences between the groups of angiosperms

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22. List the adaptive features used by plant to help its survival on terrestrial habitat

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23. What is alternation of generation?

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24. Differentiate between mitosis and meiosis?

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25. List the components of the male and female reproductive organs in flowering plant.

Male.....

