

Damietta University
Faculty of Sciences
Environ. Sc. Dept.
4th year Env. Sc. & Env. Sc.
& Chem Students



Course: Environ. Biotechnology Code: (409 E) Date: 10/1/2024 Time: 2 hours Full Mark: 70 Marks

Answer All the following Questions

| Question 1: | (15 Marks) |
|--|---|
| Explain the following: | |
| a. Application of biotechnolog | ЗУ |
| b. Degree of toxicity can vary | |
| c. Environmental and econor | nic benefits contribute to development of |
| sustainable society. | |
| Question 2: | (20 Marks) |
| a. Complete the following. | |
| is the process in | which harmful chemicals builds up inside a living |
| organism, while, is a p | process used to by using |
| which can be use of | in manufacturing, microorganisms to degrade |
| | , monoclonal antibodies to |
| b. Which of the following is | not a reason behind air pollution? |
| Industrialization | |
| 2) Auto exhaustion | |
| 3) Deforestation | |
| 4) Afforestation | |
| c. Which of the chemicals may accumulated in an organism during bio- | |
| accumulation process | |
| . a) Pesticides | |
| b) Sodium | |
| c) Potassium | |
| d) Fe | |
| Mhat is the following process is not included in the bio accumulation | |
| a)Stockpiling | |
| b)Elimination | |
| c)Filtration | |
| d)Uptake | 4h - d - f diamanal - f - alid4a landa 4a malana |
| e. Which of the following method of disposal of solid waste leads to release | |
| of organic pollutants. | |
| a) Incinerationb) Phytoremediation | |
| b) i ilytorolliculation | |

d) Land filling Good Luck

Examiners: Prof. Maie ElGammal

c) Biological treatment