



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/M.Sc. (GE)/SEM-3/MSGEN (EBT)-305-B/2010-11**

**2010-11**

**BIOTECHNOLOGY IN ENVIRONMENT**

Time Allotted :  $1\frac{1}{2}$  Hours

Full Marks : 35

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *five* of the following :

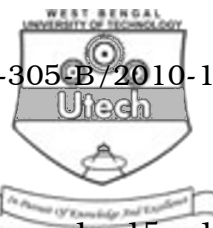
5 × 1 = 5

- i) For an environmentally sustainable system ..... may be replace natural gas in our kitchen.
- a) hydrogen                      b) nitrogen
- c) chlorine                      d) none of these.
- ii) Biological magnification is maximum for
- a) inorganic compound
- b) metals
- c) fat soluble organic compounds
- d) insoluble organic matter.
- iii) Nuclear power plant uses
- a) U-238                      b) U-235
- c) U-236                      d) U-232.

- ## GROUP – B

Answer any *three* of the following.  $3 \times 5 = 15$

- 40804



**GROUP – C**

**( Long Answer Type Questions )**

Answer any *one* of the following.

1 × 15 = 15

7. a) Bioenergy from waste is a new approach of clean technology – elaborate.
- b) How are aromatic hydrocarbons degraded by microbes into normal metabolites ? 6 + 9
8. Describe primary and secondary waste water treatment. What kind of pollutants are removed in these processes ? 8 + 2 + 5

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