

(20518)

Roll No.

B. Sc.(Biotech.)-III Year

NS-3477**B. Sc. Biotechnology Examination, May 2018****Environmental Biotechnology****(B-305)****(New)***Time : Three Hours]**[Maximum Marks : 75***Note:** Attempt questions from all Sections as per instructions.**Section-A****(Very Short Answer Questions)**

Answer all the *five* questions. Each question carries 3 marks. Very short answer is required not exceeding 50 words. $3 \times 5 = 15$

1. / What do you mean by conventional sources of energy?
2. / Write a note on bioaccumulation?
3. / What are biofertilizers? Discuss their role in Agriculture.

4. / Discuss the cause and effect of deforestation.
5. / Discuss fossil fuels as natural resources. How can they be conserved?

Section-B**(Short Answer Questions)**

Answer any *three* questions. Each question carries 10 marks. $10 \times 3 = 30$

1. / Give detailed account on phytoremediation.
2. / What do you mean by renewable energy sources? Describe the main reasons for water scarcity in India.
3. Write notes on the following :
 - (a) Biogas generation
 - (b) Biomineralization.
4. Give an account of non-renewable sources of energy.
5. / Write notes on the following :
 - (a) Ex-situ bioremediation
 - (b) Municipal wastes treatment.

(3)

Section-C

(Detailed Answer Questions)

Answer any *two* questions. Each question carries
15 marks. 15×2=30

1. ✓ What are natural resources ? Discuss the renewable energy resources in detail.

2. What are modern fuels ? Discuss the production of ethanol in detail.

3. Give a detailed account of bioremediation of polycyclic aromatic hydrocarbon.

4. ✗ Give a detailed account on the following :
 - (a) Biofertilizers
 - (b) Transgenic organism and their impact on environment.