

B. TECH.
(SEM-VIII) THEORY EXAMINATION 2018-19
ENVIRONMENTAL IMPACT ASSESSMENT & AUDIT

Time: 3 Hours**Total Marks: 100****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 2 x10 = 20**
- (a) What is the role of testing and screening in environmental modeling?
 - (b) Why modeling of risk is important?
 - (c) Explain the purpose of environmental monitoring.
 - (d) What is Life Cycle Analysis?
 - (e) What is an Eco-label?
 - (f) Why is environmental audit carried out?
 - (g) What are the effects of global warming?
 - (h) What is efficacy?
 - (i) Which environmental risks are important?
 - (j) What do you understand by industrial pollution?

SECTION B

- 2. Attempt any three of the following: 10 x 3 = 30**
- (a) Mention the different risk equations and discuss them in detail.
 - (b) What are the important aspects of the project report? Provide guidelines for preparing a project report for constructing a paper and pulp industry.
 - (c) What are environmental links? Discuss in detail the socio-economic links.
 - (d) Explain in detail with a case study from any one industry how environmental auditing is carried out in Indian scenario.
 - (e) How to prepare a detailed project report? Explain the sections of its template with suitable examples.

SECTION C

- 3. Attempt any one part of the following: 10 x 1=10**
- (a) Explain in detail, why we need environmental risk management.
 - (b) Discuss in detail about the process of Environmental auditing and various activities involved in it with flow chart.
- 4. Attempt any one part of the following: 10 x 1= 10**
- (a) Explain in detail about the stages involved in the EIA process with flow chart.
 - (b) Elucidate the dose-effect relationships with neat curves representation.
- 5. Attempt any one part of the following: 10 x 1= 10**
- (a) Give the general methodology for the assessment of impacts on surface water environment.
 - (b) Illustrate the environmental modeling by using any two types of example.
- 6. Attempt any one part of the following: 10 x 1= 10**
- (a) Explain in detail the uncertainties in monitoring environmental risks.
 - (b) Elaborate in detail about the steps involved in attaining green rating for a project and also discuss briefly about the rating methodology.
- 7. Attempt any one part of the following: 10 x 1= 10**
- (a) Explain in detail the emerging needs and suggested action in risk management.
 - (b) Explain in detail about the stages in the prior environmental clearance process for new projects.