



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)**

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**QUESTION BANK (DESCRIPTIVE)**

**Subject with Code: EIAM(18CE0140)**

**Course & Branch: B.Tech & CIVIL**

**Regulation: R18**

**Year & Sem: IV Year & I Sem**

**UNIT –I  
INTRODUCTION**

1	a	Define EIA.	[L1][CO1]	[2M]
	b	List out the classification of environmental parameters.	[L1][CO1]	[2M]
	c	What is the purpose of the “screening” step of EIA?	[L1][CO1]	[2M]
	d	What are the key objectives of EIA review?	[L1][CO1]	[2M]
	e	Define IEE.	[L1][CO1]	[2M]
2	a	Explain the basic concept of EIA.	[L2][CO3]	[5M]
	b	Explain the salient features of EIA.	[L2][CO1]	[5M]
3		Explain in detail about EIA Procedure?	[L2][CO1]	[10M]
4	a	Write in detail about the impact evaluation and analysis.	[L1][CO3]	[5M]
	b	What are the analytical functions associated with the EIA?	[L1][CO1]	[5M]
5		Describe in detail about the classification and prediction of impacts?	[L2][CO3]	[10M]
6	a	Mention any four types of events in cumulative impacts.	[L2][CO1]	[4M]
	b	Give a detail note on preparation of EBM.	[L2][CO3]	[6M]
7		What are the various stages in preparation of an EIA Report?	[L1][CO1]	[10M]
8		With example, mention the types of impacts that occur in a Road Development Project?	[L2][CO3]	[10M]
9		Discuss in detail about the impacts of various project activities on human aspects.	[L2][CO3]	[10M]
10	a	What are the factors to be considered for taking decisions based on assessment of significance of an impact?	[L1][CO3]	[7M]
	b	What is the need for EIA in India?	[L1][CO1]	[3M]

**UNIT –II**  
**EIA METHODOLOGIES**

1	a	List out the various EIA method.	[L1][CO2]	[2M]
	b	Define the types of matrix method.	[L1][CO2]	[2M]
	c	What is EIS?	[L1][CO2]	[2M]
	d	What is EIA Checklist?	[L1][CO2]	[2M]
	e	What is the purpose of EIA Methods?	[L1][CO2]	[2M]
2	a	Write short notes on matrix method.	[L1][CO2]	[5M]
	b	List out the qualities and characteristics for the evaluation of impacts in EIA methodology.	[L1][CO2]	[5M]
3		Discuss in detail about the criteria for the selection of EIA methodology.	[L4][CO2]	[10M]
4		Explain about Ad-hoc method of EIA analysis	[L2][CO2]	[10M]
5		Write in detail about the salient features of matrices methods.	[L1][CO2]	[10M]
6		Brief the four categories of checklist methodology in EIA?	[L1][CO2]	[10M]
7		Explain the cost/benefit analysis in EIA?	[L2][CO2]	[10M]
8		Write about quality index method for carrying out EIA.	[L1][CO2]	[10M]
9		What is the importance of overlay method in environmental impact assessment? Explain it.	[L2][CO2]	[10M]
10		Discuss the importance of network methods in the assessment of impacts.	[L2][CO2]	[10M]

**UNIT –III**  
**IMPACT OF DEVELOPMENTAL ACTIVITIES AND LAND USE**

1	a	List the surface water bodies.	[L1][CO4]	[2M]
	b	List out the non-point pollutants in surface water environment.	[L1][CO4]	[2M]
	c	Describe the categories of land use.	[L2][CO4]	[2M]
	d	Define air pollution.	[L2][CO4]	[2M]
	e	What are the main causes for air pollution?	[L1][CO4]	[2M]
2	a	Draw a flow chart on systematic approach for the study of impacts on soil and groundwater.	[L3][CO4]	[5M]
	b	Write short notes on delineation of study area	[L1][CO4]	[5M]
3		Elaborate the Direct Land-use impacts on land due to the construction of a dam	[L2][CO4]	[10M]
4		What are the mitigation measures taken to prevent soil erosion and ground water pollution during and after execution of any developmental project?	[L1][CO4]	[10M]
5		Identify the various anticipated impacts of different land use changes with a schematic diagram.	[L2][CO4]	[10M]
6	a	List the conceptual approach to study surface water environment impacts.	[L2][CO4]	[5M]
	b	What are the physical and chemical characteristics of water? Brief it.	[L1][CO4]	[5M]
7		Make a note on important surface water contaminants and their impacts in a table format.	[L3][CO4]	[10M]
8	a	With flow chart, mention the area and point sources of air pollution	[L3][CO4]	[5M]
	b	List the WHO and CPCB standards on air quality.	[L2][CO4]	[5M]
9		Write a detailed note on generalized approach for assessment of air pollution Impact.	[L1][CO4]	[10M]
10		List the six activity step model for EIA studies on air quality impact.	[L1][CO4]	[10M]

**UNIT –IV**  
**ASSESSMENT OF IMPACT ON VEGETATION AND WILDLIFE**  
**&**  
**ENVIRONMENTAL RISK ASSESSMENT AND MANAGEMENT**

1	a	What is natural vegetation?	[L1][CO5]	[2M]
	b	What is flora and fauna?	[L1][CO5]	[2M]
	c	What are the sequences in performing Risk Management?	[L1][CO5]	[2M]
	d	Define risk management.	[L2][CO5]	[2M]
	e	Mention the objective of Ecological Risk Assessment.	[L2][CO5]	[2M]
2	Explain about the regulatory mitigation measures for the mitigation of biological impacts?		[L2][CO5]	[10M]
3	Discuss the important aspects of assessment of impacts of any developmental activities on vegetation and wild life.		[L2][CO5]	[10M]
4	a	Make a note on direct loss of wild life.	[L2][CO5]	[5M]
	b	Write three measures to protect wildlife.	[L1][CO5]	[5M]
5	Give and explain the main causes for depletion of natural vegetation or biodiversity in India.		[L3][CO5]	[10M]
6	What is meant by Environmental Risk Assessment? How it is different from EIA?		[L1][CO5]	[10M]
7	a	Define the terms Hazard, Risk, Probability, and Risk Management.	[L2][CO5]	[6M]
	b	Explain the various key steps in performing an Environmental Risk Assessment?	[L2][CO5]	[4M]
8	Elaborate about risk assessment and treatment of uncertainty.		[L2][CO5]	[10M]
9	a	How the risks to health are characterized in risk characterization?	[L2][CO5]	[5M]
	b	With a flow chart, mention the source of chemical discharge to human is happened?	[L3][CO5]	[5M]
10	What are the main features of Ecological Risk Assessment? How it is different from Human Health Risk Assessment?		[L1][CO5]	[10M]

**UNIT –V**  
**ENVIRONMENTAL ACTS (PROTECTION AND PREVENTION)**

1	a	Define the Post audit activities	[L2][CO6]	[2M]
	b	List the various acts for environmental protection.	[L1][CO6]	[2M]
	c	Describe the process of Audit protocol.	[L2][CO6]	[2M]
	d	What is the purpose of Post Environmental Audit?	[L1][CO6]	[2M]
	e	Write the objectives on Environmental legislation.	[L1][CO6]	[2M]
2		Discuss about the Environment protection act and its functions.	[L2][CO6]	[10M]
3		Discuss about the Water pollution prevention & protection act and its functions.	[L2][CO6]	[10M]
4		Discuss about the Air pollution protection act and its functions.	[L2][CO6]	[10M]
5		Define the Wild life act and its implementations.	[L2][CO6]	[10M]
6		Write about the concept of ISO and ISO14000 in detail.	[L1][CO6]	[10M]
7		List out the various typical impact of dams and reservoirs on EIA.	[L1][CO6]	[10M]
8	a	Prepare the environmental impact of land clearing project in upland forest giving priority to physical resources.	[L3][CO6]	[5M]
	b	Write short notes on water act.	[L1][CO6]	[5M]
9		What are the general guidelines for preparation of TORs for EIA?	[L1][CO6]	[10M]
10		Explain the environmental impact of a dam with a case study?	[L2][CO6]	[10M]

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