
(C) SVSU 2024-25/R

[illegible]

COURSE NAME (Branch)- M.TECH.
I YEAR/ I SEM. EXAMINATION
MENTAL POLICY & IMPAC

[Max Marks: 70]

NOTE:- ATTEMPT ALL INSTRUCTIONS.

(4*3=12)

- A) Analyze the advantages and disadvantages of public participation.
 - B) Describe the key aspects of the EIA Notification of MOEF, 2006.
 - C) What are the essential steps in basic data collection for EIA?
 - D) Discuss the purpose of EIA in sustainable development.
 - E) Explain ISO 14000 requirements for environmental audits.
 - F) Explain the eco-labelling.
- ANY THREE PARTS. (3*)

$(3 * 4 = 12)$

- QUESTION NO. 2: ATTEMPT ANY THREE PARTS.
- Analyze a case study of environmental auditing for climate change, agenda-21.
 - Describe the convention on climate change, agenda-21.
 - How can we prepare the documentation as per ISO 14000?
 - What are pollution audits, and how are they conducted?

(3*6=18)

- QUESTION NO. 3: ATTEMPT ANY THREE PARTS.**
- A) Define auditing? Also explain environmental auditing in detail.
- B) What are the different methods to propagate environmental awareness in the society?
- C) Explain the different Environmental movements in India?
- D) Explain the different Environmental Management Pl.

(2*7=14)

- QUESTION NO. 4: ATTEMPT ANY TWO PARTS.** (2*7=14)
- Discuss the Kyoto Protocol and its relevance to global climate change;
 - Explain the Environmental (Protection) Act, 1986, and its impact on environmental management.
 - Explain the outcomes of the Rio Earth Summit, 1992, and its impact on environmental protection.
- TWO PARTS.** (2*7=14)

(2*7=14)

- QUESTION NO. 5: ATTEMPT ANY TWO PARTS.**
- A) Write an essay on “world on sustainable development, 2002”.
- B) Describe the main objectives of the United Nations Framework Convention on Climate Change (UNFCCC).
- C) Explain the evolution of Environmental Management Standards under ISO 14000.
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Printing Pages : 1

Paper Code : METC-112

(B) SVSU 2024-25/R

Enrollment No.

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COURSE NAME (Branch)- M.TECH (EEM)
I YEAR/ I SEM. EXAMINATION
SUBJECT NAME: DISASTER MANAGEMENT

[Max Marks: 70]

Time: 3:00 Hours]

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

QUESTION NO. 1: ATTEMPT ANY FOUR PARTS

(4*3=12)

- Describe the potential long-term ecological impacts of disasters.
- Explain how a hazard can transform into a disaster.
- Compare natural and manmade disasters with examples.
- Analyze the economic impact of a major disaster on a country's economy.
- What are industrial accidents, and how do they affect nearby populations?
- What are the repercussions of Disasters and hazards?

QUESTION NO. 2: ATTEMPT ANY THREE PARTS.

(3*4=12)

- Discuss global and national disaster risk situation.
- Discuss in brief the disaster management act 2005.
- Explain clearly about landscape approach and perception approach of disaster management
- What do you understand by Disaster preparedness and management?

QUESTION NO. 3: ATTEMPT ANY THREE PARTS.

(3*6=18)

- Explain the role of the television for disaster preparedness and early warning
- Explain how outbreaks of diseases and epidemics can be linked to disasters.
- Write case study of a manmade disaster occurred in India.
- Explain the term vulnerability reduction. Discuss the factors promoting vulnerability reduction and mitigation.

QUESTION NO. 4: ATTEMPT ANY TWO PARTS.

(2*7=14)

- What are Tsunamis? Give brief account of Tsunami that hit South East and South Asia in Dec-2004?
- What do you understand by emergency support function plan and National Environment Policy need for central intervention?
- What do you mean by disaster management? Explain in detail about earthquake disaster management

QUESTION NO. 5: ATTEMPT ANY TWO PARTS.

(2*7=14)

- Describe how people's participation can enhance risk assessment efforts and List and explain the strategies for survival during a disaster.
- What role do community-based organizations play in disaster mitigation? Describe the importance of educating communities about disaster preparedness and mitigation.
- Explain the concept of Disaster Risk Reduction (DRR) and its importance and what is the current global disaster risk situation, and what are the main challenges?

Printing Pages : 1

Paper Code :METC-101

(A) SVSU 2024-25/R

Enrollment No.

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COURSE NAME (Branch)- M.TECH (EEM)
I YEAR/ I SEM. EXAMINATION
SUBJECT NAME: RESEACH METHODOLOLOGY & IPR

[Time: 3:00 Hours]

[Max Marks: 70]

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.**QUESTION NO. 1: ATTEMPT ANY FOUR PARTS****(4*3=12)**

- Discuss the scope of research problems and their importance in guiding research.
- Discuss the effective technical writing.
- What are the different methods of data collection? Provide examples.
- Describe the new development in IPR.
- Discuss the importance of instrumentation in research and give examples of necessary instruments.
- What is plagiarism, and why is it an ethical concern in research?

QUESTION NO. 2: ATTEMPT ANY THREE PARTS.**(3*4=12)**

- Discuss the ethical guidelines a researcher should follow in conducting research.
- Explain the process of patenting and development.
- Explain the scope of patent rights and also define the licensing and transfer of technology.
- List and explain the characteristics of good research problem.

QUESTION NO. 3: ATTEMPT ANY THREE PARTS.**(3*6=18)**

- How does presentation skills impact the effectiveness of a research proposal?
- Explain the traditional knowledge case studies IPR AND IITs.
- What is the Patent Cooperation Treaty (PCT), and why is it important?
- How does one write an effective research paper? Outline the key steps.

QUESTION NO. 4: ATTEMPT ANY TWO PARTS.**(2*7=14)**

- Explain how licensing agreements benefit both inventors and third-party users. Discuss the importance of accessing patent databases for research and innovation.
- Discuss about the patent information and databases.
- How IPR protection can provides an incentive to inventors for further research work and investment in R & D?

QUESTION NO. 5: ATTEMPT ANY TWO PARTS.**(2*7=14)**

- Discuss the importance of IPR in biological systems, such as genetics and agriculture. Explain the role of IPR in the protection of computer software.
- Explain the economic impact of geographical indications on local communities.
- Analyze a case study on patenting issues faced by pharmaceutical companies.