

Code No: MC107/CS8104PC

**CMR ENGINEERING COLLEGE**  
(UGC-Autonomous)  
Kandlakoya(V), Medchal Road, Telangana-501401  
I-M. Tech I-Semester Examinations, June - 2021  
**RESEARCH METHODOLOGY AND IPR**  
(Common for CSE, VLSI Design)

Time: 3 Hours

Max. Marks: 70

Answer any Five Questions  
All Questions Carry Equal Marks  
(ORIGINAL)

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|---|----|
| 1. a) What is Research? Explain about Different Sources of Research?      | 7M |
| b) Briefly Explain about Errors in Selecting research Problem?            | 7M |
| 2. a) List the Steps involved in Research process?                        | 7M |
| b) Discuss about Ethics involved in Research?                             | 7M |
| 3. a) Explain about Effective Technical Writing?                          | 7M |
| b) Discuss about the Format of Research proposal with Example?            | 7M |
| 4. a) Discuss the Process of Writing an Effective Report                  | 7M |
| b) Discuss the importance of intellectual property rights                 | 7M |
| 5. a) What are the important requirements of patent ownership?            | 7M |
| b) What is International patent protection law? Explain.                  | 7M |
| 6. a) Explain the process of obtaining copyright protection in India.     | 7M |
| b) Describe various types of Trade marks.                                 | 7M |
| 7. a) Discuss the New developments in Intellectual Property Rights        | 7M |
| b) Does Geographical Indication reflects on Patents? Discuss with example | 7M |
| 8. a) What is the Role of IPR in Computer Software?                       | 7M |
| b) Elaborate the Scope of Patent Rights outside the India                 | 7M |