



SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code :RM & IPR 20HS0823 Course & Branch: M.Tech

Year & Sem: I M.tech& I-Sem Regulation: R20

UNIT-I

1. What do you mean by research? Explain its significance in modern times. [L1, CO1, 12M]
2. What do you understand by term Research Problem? What are the objectives of Research Problem? [L2, CO1,12M]
3. Explain the terms Fundamental Research, Basic Research, Applied Research and Industrial Research with suitable examples. [L2, CO1, 12M]
4. Explain different sources of research problem by giving suitable examples under source. [L3, CO1, 12M]
5. Elaborate on common errors committed by researchers in selecting the research problem. [L3, CO1, 12M]
6. Give a detailed account on various approaches adopted by researchers in solving problems stated by them. [L4, CO1, 12M]
7. Distinguish clearly Theoretical Research, Analytical Research and Experimental Research by giving suitable examples in your own branch of engineering/technology. [L3, CO1, 12M]
8. Consider your postgraduate project and explain how logically organized your work. [L5, CO1, 12M]
9. What is Hypothesis? What is the significance of formulating the hypothesis in research work? [L2, CO1, 12M]
10. Explain the following data analysis
 - a. Descriptive Analysis [L2, CO1, 4M]
 - b. Diagnostic Analysis and [L2, CO1, 4M]
 - c. Predictive Analysis [L2, CO1, 4M]

UNIT-II

1. What is research design? Give a brief description of various research designs. [L2, CO2, 12M]
2. Literature review helps in identifying a suitable research problem. Comment. [L4, CO2, 12M]
3. What are the various means of conducting literature survey in modern times? [L2, CO2, 12M]
4. Give a detailed description on maintenance of ethics in research work. [L3, CO2, 12M]
5. “For any research to be successful it must be well designed.” Justify this statement. [L5, CO2, 12M]
6. Explain the significance of data collection in research. What are the various methods of data collection? [L2, CO2, 12M]
7. Define sampling. Write in brief about various sampling techniques. [L2, CO2, 12M]
8. How do you write a research question for a literature review? What are good topics for literature review? [L3, CO2, 12M]
9. Explain the role of ethics in research. [L2, CO2, 12M]

10. Briefly explain the ethical considerations in research. [L2, CO2, 12M]

UNIT-III

1. "Empirical research in India in particular creates so many problems for researchers." State the problems that are usually faced by such researchers. [L4, CO3, 12M]
2. Discuss the importance of critical literature review and its uses in planning innovation research. [L3, CO3, 12M]
3. Explain essential features of report writing highlighting the importance and implication of research outcomes. [L2, CO3, 12M]
4. How do you go about formulating research problem? How do you organize your research work? [L3, CO3, 12M]
5. What is technical writing? What tools do technical writers use? [L2, CO3, 12M]
6. What is report writing? What is the significance of report writing? [L2, CO3, 12M]
7. How to write a research proposal? Explain the format of research proposal. [L2, CO3, 12M]
8. How do you prepare your project presentation? What are the basic elements of a research proposal? [L4, CO3, 12M]
9. How to write a research paper? Explain the contents in brief. [L3, CO3, 12M]
10. Analyze the criteria considered by a review committee in assessing a research proposal. [L4, CO3, 12M]

UNIT-IV

1. What is innovation? Elucidate on various type of innovation. [L2, CO4, 12M]
 2. Discuss *Radical Innovation* and *Incremental Innovation* by quoting real time examples. [L3, CO4, 12M]
 3. Write short notes on (a) Patents (b) Copy rights (c) Trademarks (d) Designs [L1, CO4, 3M,3M,3M,3M]
 4. Discuss the significance of Intellectual Property rights in modern day context. [L4, CO4, 12M]
 5. What is patent? How to obtain patent? [L3, CO4, 12M]
 6. What is the difference between copy rights, trademarks and patents? [L3, CO4, 12M]
 7. Explain the procedure for grants of patents. [L2, CO4, 12M]
 8. What is technological research? Elucidate on innovation and Patenting. [L2, CO4, 12M]
 9. Explain the significance of international cooperation on intellectual property. [L4, CO4, 12M]
 10. Elaborate "Patent cooperation treaty" role on international patent Law. [L3, CO4, 12M]
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UNIT-V

1. What do you mean by patent right? What rights does a patent owner have? [L2, CO5, 12M]
 2. What does it mean to “Licence a Patent” and why is it done? [L3, CO5, 12M]
 3. How are patent rights enforced? Explain in detail. [L3, CO5, 12M]
 4. Why should I care about patent information? Where can I find patent information?
[L4, CO5, 12M]
 5. Explain the geographical indications of patent Rights. [L2, CO5, 12M]
 6. What are the new developments in IPR with respect to the administration of patent system?
Explain in detail. [L3, CO5, 12M]
 7. Give a brief account on the role of IITs in getting patent rights. [L4, CO5, 12M]
 8. Analyse the usage of traditional knowledge in getting patents by quoting two case studies.
[L5, CO5, 12M]
 9. Elucidate the latest developments in IPR of Biological system. [L3, CO5, 12M]
 10. Elaborate on the scope and significance Patent rights. [L2, CO5, 12M]
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