

BCA-6-03T: Technical Report Writing & IPR

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 4
Pass Percentage: 40%

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Course: Technical Report Writing & IPR	
Course Code: BCA-6-03T	
Course Outcomes (COs) After the completion of this course, the students will be able to:	
CO1	Understand the purpose and importance of technical report writing.
CO2	Identify different types of technical reports and their specific requirements.
CO3	Utilize various data visualization techniques to present technical information effectively.
CO4	Understand the Intellectual Property (IP) Concepts.
CO5	Understand the Procedure for grants of patents.

Detailed Contents:

Module	Module Name	Module Contents
		Section-A

Module I	Introduction to Technical Report Writing & Types of Technical Reports	Introduction to Technical Report Writing <ul style="list-style-type: none"> • Definition and importance of technical reports • Characteristics of effective technical writing • Differences between technical and non-technical writing Types of Technical Reports <ul style="list-style-type: none"> • Formal reports • Informal reports • Progress reports • Feasibility studies • Laboratory reports • Research reports
Module II	Data Visualization Techniques & Citation and Referencing	Data Visualization Techniques <ul style="list-style-type: none"> • Graphs, charts, and tables • Best practices for presenting data visually • Choosing the appropriate visualization for different types of data Citation and Referencing <ul style="list-style-type: none"> • Importance of citing sources in technical writing • Overview of common citation styles (e.g., APA, IEEE, Chicago) • Guidelines for citing various types of sources (e.g., books, journals, websites)
Section-B		
Module III	Interpretation and Report Writing	<p>Effective technical writing, how to write a report, Paper Developing a Research Proposal, Format of research proposal, presentation and assessment by a review committee.</p> <p>Interpretation of Data and Paper Writing – Layout of a Research Paper, Journals in Computer Science, Impact factor of Journals, When and where to publish? Ethical issues related to publishing, Plagiarism and Self-Plagiarism.</p>
Module IV	IPR	<p>Nature of Intellectual Property: Patents, Designs, Trade and Copyrights. Process of Patenting and Development: technological research, innovation, patenting, development. International Scenario: International cooperation on Intellectual Property, Procedure for grants of patents, Patenting under PCT</p>

References

1. Kompal Bansal & Parshit Bansal, "Fundamentals of IPR for Beginner's", 1st Ed., BS Publications, 2016.
2. William S. Pfeiffer and Kaye A. Adkins, "Technical Communication: A Practical Approach", Pearson.
3. Ramappa,T., "Intellectual Property Rights Under WTO", 2nd Ed., S Chand, 2015