Semester: v	Department of Information Science and Engineering	AY: 2026-27
Course Code:BRMK557	Course Name: Research Methodology	

Question Bank

Q.	Module-01	M	L	C
1.	List the different types of research misconduct and provide a brief explanation for each one.	8	L2	CO1
2.	Define the term Copyright and write its classes. What are the two exclusive rights owned by the copyright owner? Explain briefly.	6	L2	CO1
3.	What is impact of Title and Keywords on citations? Explain Citation based Knowledge flow	8	L2	CO1
4.	State the objectives of research methodology and highlight the motivational factors in engineering research.	8	L2	CO1
5.	Explain the types of engineering research with examples.	8	L2	CO1
6.	Explain briefly ethics in engineering research.	6	L2	CO1
7.	Explain the three misconducts related to the engineering research.	8	L2	CO1
8.	Explain the steps involve in research with neat diagram [research flow diagram] along with examples.	10	L3	CO1
9.	What ethical considerations and responsibilities should be taken into account when determining authorship in engineering research?	10	L3	CO1
10.	Define Engineering Research and list its aims and objectives.	8	L2	CO1
	Module-02			
11.	How does the new and existing knowledge can contribute to the research process? Explain with relevant points.	9	L2	CO2
12.	How can researchers effectively use search engines to find relevant literatures in their field?	9	L2	CO2
13.	Explain how knowledge flows through a citation network using a flow diagram.	9	L2	CO2
14.	What is impact of Title and Keywords on citations? Explain Citation based Knowledge flow	9	L3	CO2
15.	What are the primary goals of Literature Review?	6	L3	CO2
16.	How does new and existing Knowledge contribute to Research	6	L2	CO2
17.	Explain the terms critical reading and creative reading?	6	L2	CO2
18.	Explain the term citation? Describe the functions of citation?	7	L2	CO2
19.	Explain Bibliographic databases with examples.	6	L2	CO2
20.	Explain the term literature review in the terms of research.	6	L2	CO2
	Module-03			

RNS College of Engineering and Technology

21.	Define the term patent?	3	L1	CO3
22.	Write a brief history of Patents	3	L2	CO3
23.	What are different patent applications and how are they commercialized.	8	L2	CO3
24.	What are the inventions eligible for patenting and which are the matters considered as non patentable?	8	L3	CO3
25.	Explain through a flow chart the major steps involved in patenting.	7	L2	CO3
26.	Explain the following major steps involved in the process of Patent Registration: i)Prior Art Search ii)Choice of application to be filed iii)Pre grant opposition.	10	L2	CO3
27.	Describe Intellectual Property Rights and List its types?	7	L2	CO3
28.	What types of inventions are eligible for patenting, and which matters are considered non-patentable?	8	L2	CO3
29.	Explain the major steps involved in the process of filling patent applications using a flow chart.	10	L3	CO3
30.	What strategies are involved in the commercialization of a patent?	7	L2	CO3

***Note:**

1. All modules should contain a minimum of **10** questions each and the total number of questions must be **50**.
2. Questions can carry marks of 06, 07, 08, 09, 10 and for problems: 04 or 05.
3. Follow the RBTL as per the keywords used to frame the questions.
4. Maintain the Course Outcomes (COs) as per the syllabus.
5. M: Marks, L: RBTL, C:COs.

Aditya College of Engineering and Technology