Hall Ticket Number:

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

Code No. : 22663

# VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD
Accredited by NAAC with A++ Grade
## M.E./M.Tech. II-Semester Main Examinations, August-2023
## Research Methodology and Intellectual Property Rights
(Common to all)

Time: 3 hours

Max. Marks: 60

*Note: Answer all questions from **Part-A** and any **FIVE** from **Part-B***

### Part-A (10 × 2 = 20 Marks)

| Q. No. | Stem of the question | M | L | CO | PO |
|---|---|---|---|---|---|
| 1. | Define research | 2 | 1 | 1 | 1 |
| 2. | Compare research methods and methodology. | 2 | 4 | 1 | 2 |
| 3. | What is the need of doing Literature survey? | 2 | 1 | 2 | 1 |
| 4. | What are sources of information? | 2 | 1 | 2 | 1 |
| 5. | What is primary and secondary data? | 2 | 1 | 3 | 1 |
| 6. | Develop one example for diagrammatic representation of data. | 2 | 3 | 3 | 2 |
| 7. | What are the types of intellectual property? | 2 | 1 | 4 | 1 |
| 8. | What are rights of trademark registration? | 2 | 1 | 4 | 1 |
| 9. | What are copyrights? What rights will be there for its owner? | 2 | 2 | 5 | 1 |
| 10. | Summarize copyright ownership issues. | 2 | 2 | 5 | 2 |

### Part-B (5 × 8 = 40 Marks).

| Q. No. | Stem of the question | M | L | CO | PO |
|---|---|---|---|---|---|
| 11. a) | Develop the various steps in research. | 5 | 3 | 1 | 1 |
| b) | Identify the types of research. | 3 | 3 | 1 | 1 |
| 12. a) | Explain different types of Plagiarism. | 4 | 2 | 2 | 1 |
| b) | Explain different errors in research. | 4 | 2 | 2 | 1 |
| 13. a) | Develop the format of research proposal. | 5 | 3 | 3 | 2 |
| b) | Explain the contents of standard technical journal. | 3 | 2 | 3 | 2 |
| 14. a) | Develop the steps in trademark registration process. | 4 | 3 | 4 | 1 |
| b) | Explain about purpose, functions, and types of trademarks | 4 | 2 | 4 | 1 |
| 15. a) | Develop the steps in patent registration process. | 5 | 3 | 5 | 2 |
| b) | Develop the steps in copy right registration process. | 3 | 3 | 5 | 2 |
| 16. a) | Identify the objectives and motivations of research. | 4 | 3 | 1 | 1 |
| b) | What are the different research ethics? | 4 | 1 | 2 | 1 |
| 17. | Answer any **two** of the following: | | | | |
| a) | Explain the contents of dissertation. | 4 | 2 | 3 | 2 |
| b) | Explain about any two international treaties for IPRs. | 4 | 2 | 4 | 2 |
| c) | Explain about Geographical Indications. | 4 | 2 | 5 | 1 |

M : Marks;  L: Bloom's Txonomy Level;  CO; Course Outcome;  PO: Programme Outcome

| | | |
|---|---|---|
| i) | Blooms Taxonomy Level – 1 | 20% |
| ii) | Blooms Taxonomy Level – 2 | 39% |
| iii) | Blooms Taxonomy Level – 3 & 4 | 41% |

*****