

2023

**Research Methodology**

*Full Marks: 100*

Time: Three hours

*The figures in the margin indicate full marks for the questions.*

**Answer any five questions**

- 1 a) What is the full form of GARP that was produced by UGC in 2020? What does it contain? 4
- b) Define research. What are the different types of research? 10
- c) What are the criteria on which a topic for research should be chosen? 6
- 2 a) What do you mean by 'research methods' and 'research methodology'? Explain these two terms in the context of a hypothetical research. 8
- b) Describe a 'Research ecosystem' that you would consider as being conducive to support and encourage your research? 6
- c) What are the different sources of data for undertaking research? 6
- 4 a) What is the usefulness of literature-review, and What are the sources of different types of literature used in research? 12
- b) What are the steps that you would follow for undertaking good research? 8
- 5 a) *Plan your work and work your plan* — Explain. 10
- b) What do you mean by 'Research Design'? What queries should your 'research design' address? 10
- 6 a) How would you organize the chapters of your PG dissertation? 6
- b) State the important points to be followed in citing other researcher's work and referencing these in your dissertation? 8
- c) What important points would you follow in preparing a PowerPoint presentation of your research in a time slot of 10 minutes? 6
- 7 a) Define Intellectual Property (IP)? Categorize different types of IP. Name the governing acts for protecting IP Rights in India. 6
- b) What is a patent? What are the benefits of patenting? Which Office administers patents in India 6
- c) What do you mean by ethics in research? What are the penalties in four levels of plagiarism in submission of thesis and dissertations as specified in UGC Notification of 2018? 8