

Your Roll Number:

Department of Mathematics, University of Delhi
Ph.D. Coursework Examination, August, 2023

MATH21-R02: RESEARCH AND PUBLICATION ETHICS

Time: 2 hours

Maximum Marks: 35

Instructions: • Attempt any 5 questions • All question carry equal marks.

- (1) What is meant by Plagiarism? Explain it in the light of latest UGC regulations 2018 and what are penalties for different level of plagiarism in research publications.
- (2) What do you understand by scientific conduct and misconduct? Briefly explain the following types of scientific misconduct:
 - (a) Fabrication
 - (b) Falsification
- (3) Explain Open Access Publishing and discuss advantages and disadvantages of it. Discuss any two Open Access Tools/Sources?
- (4) Explaining the terms 'COPE' and 'WAME', write briefly about them.
- (5) Explain the terms research data base and citation data base. Briefly discuss any three citation data bases which are widely useful for mathematical research.
- (6) Define the following terms
 - (a) h -index
 - (b) g -index
 - (c) Impact factor of a journal.

Find h -index and g -index from the following given data:

Publication	1	2	3	4	5	6	7
No. of Citation	2	0	4	7	15	1	10