



UGC
NET/JRF

Teaching and Research Aptitude Competitive Exam Paper - I

Mr. P. Sakthi Murugan

Dr. P. Prabhusundhar

Mr. V. Azhaharasan

Dr. M. Ramalingam

Kripa Drishti Publications, Pune.

TEACHING AND RESEARCH APTITUDE

Mr. P. Sakthi Murugan

Dr. P. Prabhusundhar

Mr. V. Azhaharasan

Dr. M. Ramalingam

Kripa-Drishti Publications, Pune.

Book Title: Teaching and Research Aptitude

**Authored by: Mr. P. Sakthi Murugan, Dr. P. Prabhusundhar,
Mr. V. Azhaharasan, Dr. M. Ramalingam**

1st Edition

ISBN: 978-81-96314-30-9



Published: July 2021

Publisher:



Kripa-Drishti Publications

A/ 503, Poorva Height, SNO 148/1A/1/1A,
Sus Road, Pashan- 411021, Pune, Maharashtra, India.

Mob: +91-8007068686

Email: editor@kdpublications.in

Web: <https://www.kdpublications.in>

© **Copyright KRIPA-DRISHTI PUBLICATIONS**

All Rights Reserved. No part of this publication can be stored in any retrieval system or reproduced in any form or by any means without the prior written permission of the publisher. Any person who does any unauthorized act in relation to this publication may be liable to criminal prosecution and civil claims for damages. [The responsibility for the facts stated, conclusions reached, etc., is entirely that of the author. The publisher is not responsible for them, whatsoever.]

PREFACE

In order to determine eligibility for lectureship and to award Junior Research Fellowship (JRF) and to ensure minimum standard for the entrant in the teaching profession and research, National Eligibility Test (NET) is conducted in Humanities (including languages), Social Science, Forensic Science, Environmental Sciences, Computer Science and Electronic Science. This time Central Board of Secondary Education (CBSE) on behalf of UGC is holding the National Eligibility Test (NET). This is conducted twice in a year in the month of June and December. Junior Research Fellowship (JRF) is for candidate who desire to pursue research. The JRFs are awarded to the meritorious candidate from among the candidate qualifying for eligibility for lectureship in the NET. JRFs are restricted to only those candidates who opt for it in their application.

This material presents teaching and research –based related topics with multiple choice questions. It will be useful in examinations like NET, SET and other competitive examinations.

Paper I: consists of General paper on Teaching and Research Aptitude. This paper aims to assess your capabilities in this prime area which are foundation for Higher Education teacher. Some cognitive abilities are expected from teachers and they are tested this paper which consists of 100 marks. It contains objective type question from Teaching Aptitude, Research Aptitude, Reading Comprehension, Communication, Mathematical Reasoning, Logical Reasoning, Data Interpretation, ICT, People and Environment, Higher Education System- Governance, Polity and Administration. In this book each topics consists of 100 multiple choice questions that are asked in previous NET exam. For passing NET examination, you require 40% marks in paper1 that is at least 20 questions in this paper should be correct. If you belong to OBC (Non Creamy Layer)/ PWT/ Sc/ST class that you need 35% to pass this Paper I.

AUTHORS

Mr. P. Sakthi Murugan, Assistant professor, Department of Computer Applications and Information Technology, Kaamadhenu Arts and Science college. He completed his graduation in Gobi Arts and Science College, Gobichettipalayam. At present, he is pursuing Ph.D in Computer Science. Area of interest is Data Mining and Warehousing. He got 10 years of teaching experience.

Dr. P. Prabhusundhar, Assistant Professor, PG and Research Department of Computer Science, Gobi Arts and Science College, Gobichettipalayam. He completed his Ph.D in Computer Science. He has 12 years of experience in teaching and 11 years of experience in research. His area of interest is Network security. He published 1 book and 24 Research articles in Journals, National and International Conferences.

Mr. V. Azhaharasan, Assistant Professor, Department of Information Technology, Gobi Arts and Science College, Gobichettipalayam. He got 10 years of teaching experience. He published various articles in journals, National and International Conferences and he acted as a NSS coordinator. Now he is doing Ph.D in Computer Science.

Dr. M. Ramalingam, Assistant Professor, Department of Computer Science, Gobi Arts and Science College, Gobichettipalayam. He got 4 years of relevant industrial experience in Software Development and 10 years of teaching experience. He published 4 books and 39 research articles in Journal and Conferences. He organized seminar, conference and workshop in various discipline. He acted as a guest editor in EAI (Endorsed Transaction on Cloud System).

INDEX

Chapter 1: Teaching Aptitude.....	1
Chapter 2: Research Aptitude.....	22
Chapter 3: Reading Comprehension	45
Chapter 4: Communication	75
Chapter 5: Mathematical Reasoning	93
Chapter 6: Logical Reasoning	111
Chapter 7: Data Interpretation.....	135
Chapter 8: Information and Communication Technology (ICT)	162
Chapter 9: People and Environment	179
Chapter 10: Higher Education System: Governance, Polity and Administration	198

ABOUT THE AUTHORS

Mr. P. Sakthi Murugan,

Assistant professor, Department of Computer Applications and Information Technology, Kaamadhenu Arts and Science college.

He completed his graduation in Gobi Arts and Science College, Gobichettipalayam. At present, he is pursuing Ph.D in Computer Science. Area of interest is Data Mining and Warehousing. He got 10 years of teaching experience.

Dr. P. Prabhusundhar,

Assistant Professor, PG and Research Department of Computer Science, Gobi Arts and Science College, Gobichettiplayam.

He completed his Ph.D in Computer Science. He has 12 years of experience in teaching and 11 years of experience in research. His area of interest is Network security. He published 1 book and 24 Research articles in Journals, National and International Conferences.

Mr. V. Azhaharasan,

Assistant Professor, Department of Information Technology, Gobi Arts and Science College, Gobichettipalayam.

He got 10 years of teaching experience. He published various articles in journals, National and International Conferences and he acted as a NSS coordinator. Now he is doing Ph.D in Computer Science.

Dr. M. Ramalingam,

Assistant Professor, Department of Computer Science, Gobi Arts and Science College, Gobichettipalayam.

He got 4 years of relevant industrial experience in Software Development and 10 years of teaching experience. He published 4 books and 39 research articles in Journal and Conferences. He organized seminar, conference and workshop in various discipline. He acted as a guest editor in EAI (Endorsed Transaction on Cloud System).



Kripa-Drishti Publications
A-503 Poorva Heights, Pashan-Sus Road, Near Sai Chowk,
Pune - 411021, Maharashtra, India.
Mob: +91 8007068686
Email: editor@kdpublishations.in
Web: <https://www.kdpublishations.in>

Price: ₹ 550

ISBN: 978-81-96314-30-9

