

ABSTRACT and SUMMARY 25 copies of abstract and summary (page limit for this item is single page) are required by BASR (Board of Advanced Studies and Research), University of Karachi; each page signed (with stamp) by Supervisor

Title of Research This would, eventually, become title of thesis/dissertation

Degree Sought Master of Studies/Doctor of Philosophy

Department Mathematics

Name of Candidate _____ (enter name in BLOCK LETTERS)
S/O or D/O _____ (enter father's name)

Qualifications Name of Last Degree, Subject, Year
Name of Institution (which awarded the degree)

Supervisor **Professor Dr. Syed Arif Kamal**
MA (Johns Hopkins, USA); MS (Indiana, Bloomington, USA); PhD
Professor, Department of Mathematics
University of Karachi.

BASR Letter Reference Resolution No. __, Dated _____
File BASR/Math/Provisional Adm.

Abstract A brief description of the work to be conducted, stating clearly the objectives of research, statement of problem, proposed solution and benefits to the society. (~ 250 words)

Summary Statement of problem and proposed solution summarized in one or two sentences. (~ 50 words)

End of Document

Copyright 1998-2010. Professor Dr. Syed Arif Kamal

Supervisor's Signatures

SYNOPSIS	4 copies of synopsis (this page and the following pages; ~4-5 in general) are required by BASR, every page of each copy signed (with stamp) by Supervisor
Title of Research	This would, eventually, become title of thesis/dissertation
Degree Sought	Master of Studies/Doctor of Philosophy (enter only one choice)
Department	Mathematics
Name of Candidate	_____ (enter name in BLOCK LETTERS) S/O or D/O _____ (enter father's name)
Qualifications	Name of Last Degree, Subject, Year Name of Institution (which awarded the degree)
Supervisor	Professor Dr. Syed Arif Kamal MA (Johns Hopkins, USA); MS (Indiana, Bloomington, USA); PhD Professor Department of Mathematics University of Karachi.
BASR Letter Reference	Resolution No. __, Dated _____ File <u>BASR/Math/Provisional Adm.</u>
Introduction	a) Background of the Problem: Give a brief background of the problem. Include necessary definitions, relationships and references. (~ 200 words)
	b) Significance of the Problem Highlight significance of the problem for the immediate community, in particular, and the world, in general. (~ 100 words)
	c) Need for Solution: Why is it important to obtain a solution? How would this solution might affect the quality of life in our society? (~ 100 words)
Statement of the Problem	State, in clear terms, data to be collected, hypotheses have to be tested, models to be developed and simulations to be carried out during the course of research. (~ 70 words)
Feasibility	Describe any feasibility models developed and studies carried out. (~ 50 words)
Proposed Solution	What would be the outcome of this exercise (the model developed or the product fabricated)? (~ 50 words)
Methodology	a) Data Collection Methodology of sampling, stating clearly inclusion/exclusion criteria and reliability of collected data, naming the person(s) involved in the process. (~ 50 words)
	b) Data Modeling Whether the model developed shall be phenomenological or fundamental, and what parameters would be included. (~ 50 words)

SYNOPSIS
(continued)

c) Analysis of Results

Mathematical and statistical techniques to be used to analyze the results.
(~ 50 words)

**Benefits/
Usefulness**

Benefits and usefulness of the results generated to the immediate community,
in particular, and the world, in general. (~ 50 words)

References

10-15 in the format:

Author Last name, Author. Initials. (year of publication). Paper Title.
Journal-Title Abbreviation Volume: Starting-Page Number-Ending-Page
Number

see example below:

Kamal, S. A. (1986). The relationship of anthropometric measurements taken
on clothing to those taken on the body. *Kar. U. J. Sc.*, 14: 35-39

A few of the references (~5) must be current (within the previous 5 years)

End of Document