

**FORMAT (MODEL)
FOR SYNOPSIS PREPARATION**

<TYPE YOUR TITLE HERE>

A SYNOPSIS

Submitted by

<NAME INITIAL>

<REG.NO>

<DISCIPLINE>

in partial fulfillment of the requirements for the award of degree of

DOCTOR OF PHILOSOPHY



**MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI – 627 012**

<MONTH & YEAR OF SUBMISSION >

SYNOPSIS MODEL

PREFACE

This chapter emphasize the significance and characterization of liquid mixtures using ultrasonic method. A brief review of literature pertaining to the present work is also presented.

PROBLEM STATEMENT

A liquid possesses neither the rigidity of a solid nor the fluidity of a gas and so it exhibits properties intermediate to both the states. (Temperly and Trevena 1978) produced definite *evidence* that liquids can withstand tensions of at least tens of atmospheres. Thus, forces between molecules are attractive at large distances and a liquid resists changes of density and cannot resist changes of shape.

INTRODUCTION

Matter exists in three different forms which are solid, liquid and gas. The most striking difference between a liquid and solid is that a liquid does not permanently resist the forces tending to change its shape. A liquid possesses neither the rigidity of a solid nor the fluidity of a gas and so it exhibits properties intermediate to both the states. (Temperly and Trevena 1978) produced definite *evidence* that liquids can withstand tensions of at least tens of atmospheres. Thus, forces between molecules are attractive at large distances and a liquid resists changes of density and cannot resist changes of shape.

Matter exists in three different forms *which* are soli liquid and gas. The most striking difference between a liquid and solid is that a liquid does not permanently resist

Theories of Liquid State

A number of theories of the liquid state are based on the concept of lattice structure in

a liquid. A liquid may be considered as a disordered solid. Liquids are sometimes classified like crystals based on the kind of cohesive forces that hold them together. Ionic liquids consist of ions and electrons. Water molecules are held together by Hydrogen bonds. In many molecular liquids,

REVIEW OF LITERATURE

A liquid possesses neither the rigidity of a solid nor the fluidity of a gas and so it exhibits properties intermediate to both the states. (Temperly and Trevena 1978) produced definite *evidence* that liquids can withstand tensions of at least tens of atmospheres.

METHODOLOGY

A number of theories of the liquid state are based on the concept of lattice structure in a liquid. A liquid may be considered as a disordered solid. Liquids are sometimes classified like crystal

Summary

A liquid possesses neither the rigidity of a solid nor the fluidity of a gas and so it exhibits properties intermediate to both the states. (Temperly and Trevena 1978) produced definite *evidence* that liquids can withstand tensions of at least tens of atmospheres.

REFERENCES

- 1. Journal Article : with Single Author**
Waldron, S 2008, 'Generalized Welch bound equality sequences are tight frames', IEEE Transactions on Information Theory, vol. 49, no. 9, pp. 2307-2309.
- 2. Journal Article : with Two Authors**
Conley, TG & Galeson, DW 1998, 'Nativity and wealth in mid-nineteenth century cities', Journal of Economic History, vol. 58, no. 2, pp. 468-493.
- 3. Journal Article : with more than two Authors**
Alishahi, K, Marvasti, F, Aref, VA & Pad, P 2009, 'Bounds on the sum capacity of synchronous binary CDMA channels', Journal of Chemical Education, vol. 55, no. 8, pp. 3577-3593.
- 4. Books**
Holt, DH 1997, Management Principles and Practices, Prentice-Hall, Sydney.
- 5. E-book**
Aghion, P & Durlauf, S (eds.) 2005, Handbook of Economic Growth, Elsevier, Amsterdam. Available from: Elsevier books. [4 November 2004].
- 6. Conference Proceeding Paper with editors**
Riley, D 1992, 'Industrial relations in Australian education', in Contemporary Australasian industrial relations: proceedings of the sixth AIRAANZ conference, ed. D. Blackmur, AIRAANZ, Sydney, pp. 124-140.
- 7. Conference Proceeding Paper without editors**
Fan, W, Gordon, MD & Pathak, R 2000, 'Personalization of search engine services for effective retrieval and knowledge management', Proceedings of the twenty-first international conference on information systems, pp. 20-34.
- 8. Website**
Australian Securities Exchange 2009, Market Information. Available from: <http://www.asx.com.au/professionals/market_information/index.htm>. [5 July 2009].
- 9. Thesis: Unpublished**
Hos, JP 2005, Mechanochemically synthesized nanomaterials for intermediate temperature solid oxide fuel cell membranes. Ph.D. thesis, University of Western Australia.
- 10. Newspaper Print**
Ionesco, J 2001, 'Federal election: new Chip in politics', The Advertiser 23 October, p. 10.

LIST OF PUBLICATIONS

International Journals/UGC Listed Journals

1. Jeffrey, M, Samy, L, Domnick, R & Karunya, G, 2012, 'Experimental liquid mixtures of alcohols, Benzene and Isohexanes at Varying Temperatures', Eurasian Journal of Chemical and Petroleum Engineering, Vol.223, No.16, pp. 514-514, ISSN : XXXX-XXXX. IF-0.5, UGC Care List – (Group A) or (Group B) or (Group C) or (Group D) (Enclose evidence)