PGJMC S4 14(A)

EMERGING DISCIPLINE IN MASS COMMUNICATION –I (SCIENCE COMMUNICATION) OPTIONAL

SEMESTER - IV

JOURNALISM AND MASS COMMUNICATION

BLOCK – 1

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

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COURSE 14(A) : EMERGING DISCIPLINE IN MASS COMMUNICATION –I (SCIENCE COMMUNICATION) OPTIONAL

BLOCK – 1

DETAILED SYLLABUS

UNIT – 1 : BASICS AND HISTORY OF SCIENCE COMMUNICATION

Emergence of Modern Science; History of Science Journalism (Global Context); History of Science Journalism in India ; Need and significance of science communication; Its importance in present day context

UNIT – 2 : BEGINNING OF SCIENCE COMMUNICATION IN INDIA

'Beginning of science communication in India - Contribution of Print Media, Contribution of Radio , Contribution of Television ; The science communication movement in India; History of Science Journalism in India

UNIT -3 : SCIENCE COMMUNICATION IN ASSAM

Science Communication in Assam; Pre Orunodoi era, Orunodoi era, Post Orunodoi era, Post independence era ; Science Magazines in Assam

UNIT-4 : SCIENCE WRITING

Writing Science News ; Sources of Scientific Information ; Qualities of a science news reporter ; Writing Science Features and Articles; Writing Science Fiction

UNIT- 5 : SCIENCE AND TECHNOLOGY POLICY IN INDIA

Science and Technology Policy in India - Scientific Policy Resolution of 1958, Technology Policy Statement of 1983, Science and Technology Policy 2003, Science ,Technology and Innovation Policy 2013

UNIT – 6 : SCIENCE AND TECHNOLOGY SET-UP IN INDIA

Science and Technology System in India; Central Government Science and Technology Departments/Ministries; Science and Technology in NGOs ;Science and Technology Departments/Councils in the State Government; Recognised in-house R & D units

UNIT-7 : SCIENCE COMMUNICATION MEDIA

Print Media –Newspapers, Magazines , Books ; Audio-visual Media -Radio ,Television; Folk Media; Interactive Media ;Media on wheels ; Few observations

UNIT-8 : SCIENCE POPULARIZATION PROGRAMMES

Science Popularization -Programmes ,Organizations ,Individuals ; Methods of Science popularization ; Scientific Temperament ; Role of various institutions – CDAC, NCSTC, Vigyan Prasar

COURSE INTRODUCTION

In this course we are going to discuss the basic concepts on science communication. A good and clear concept about science communication is necessary for inculcating scientific temperament among the common people as a journalist or communicator. Once you complete this course, you will have developed a clear idea about the science communication.

BLOCK INTRODUCTION

This is the first block of the course on 'Science Communication'. This block is divided into eight units which are as follows –

UNIT – 1 : BASICS AND HISTORY OF SCIENCE COMMUNICATION

This is the first unit of the course on 'Science Communication'. In this unit, you shall come to know about the emergence of Modern Science, history of science journalism (Global Context), history of science journalism in India and the need and significance of science communication in the present day context

UNIT – 2 : BEGINNING OF SCIENCE COMMUNICATION IN INDIA

This particular unit deals with the beginning of science communication in India – the contribution of print media, radio , and television . This unit also talks about the science communication movement in India and the history of science journalism in India

UNIT -3 : SCIENCE COMMUNICATION IN ASSAM

The third unit of this course describes the beginning of Science Communication in Assam which covers the Pre Orunodoi era, Orunodoi era and Post Orunodoi era.

UNIT-4 : SCIENCE WRITING

This unit will introduce one on how one should wrote science based news (inclusive of science features an articles). This unit will also give a brief overview of the different sources of scientific information and the qualities of a science news reporter .

UNIT- 5 : SCIENCE AND TECHNOLOGY POLICY IN INDIA

The fifth unit of the course basically talks about the different science and technology policies in India like the Scientific Policy Resolution of 1958, Technology Policy Statement of 1983, Science and Technology Policy 2003 and the Science ,Technology and Innovation Policy 2013

UNIT – 6 : SCIENCE AND TECHNOLOGY SET-UP IN INDIA

The sixth unit of this course given an overview of the Science and Technology System in India including the different departments/ministries/councils at the Centre and the State and other recognised in-house R & D units

UNIT-7 : SCIENCE COMMUNICATION MEDIA

The seventh unit of the course looks into the different media for science communication like print media ,audio-visual media, folk media and interactive media

UNIT-8 : SCIENCE POPULARIZATION PROGRAMMES

This is the last unit of the first block whereby the different science popularization programmes have been death with. Moreover, the role of various institutions like CDAC, NCSTC and Vigyan Prasar in this regard have been discussed at length.

While going through this course, you will come across some along-side boxes, which are put on the left side or right side of the text. These boxes will explain you meaning of some words and concepts within the text. Apart from this, there will be some broad and short questions which have been included under ‘Activity’ and ‘Check Your Progress’ in every unit. Activities will increase your thinking capacity because questions put in Activity are not directly derived from text. Answers to the short questions have been put under section ‘Answers to Check Your Progress’. Besides, a few text-related questions have been put in ‘Possible Questions’. These questions will help to draw your attention on the probable topics for the examination so that you can prepare for the examination with confidence.