PANJAB UNIVERSITY, CHANDIGARH

(Estted. under the Panjab University Act VII of 1947- enacted by the Govt. of India)

FACULTY OF ARTS

SYLLABI

FOR

MASTERS IN REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEMS (GIS) (SEMESTER SYSTEM)

EXAMINATIONS, 2013-2014

PUNJAB TECHNICAL UNIVERSITY CHANDIGARH

OUTLINE OF SYLLABI AND CODE OF READING FOR MASTER DEGREE IN ENGINEERING AND GEOGRAPHIC INFORMATICS ENGINEERING BY DISTANCE EDUCATION FOR THE EXAMINATION OF

CODE CODE

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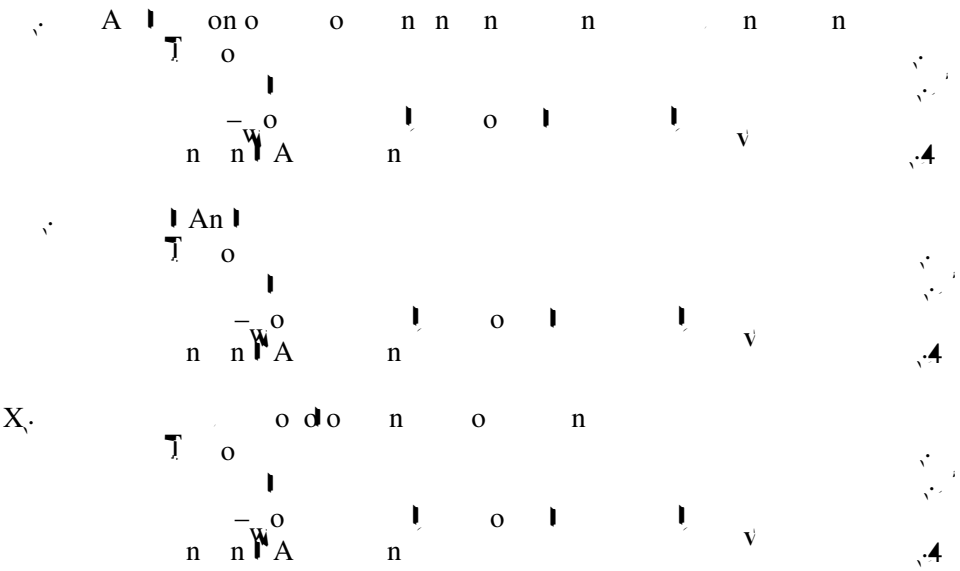

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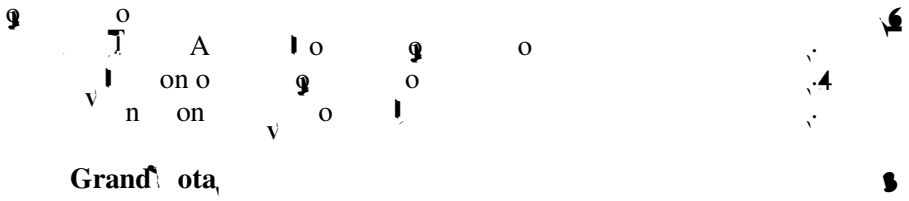

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– – ***Physical Principles of Remote Sensing*** n 99 –

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Satellite Remote Sensing of Natural Resources Yo

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Paper III: IMAGE PROCESSING **Marks: 200**

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GEOGRAPHY **Marks**

THEORY **Marks**
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OBJECTIVES

The objectives of the course are to enable the learners to –

UNIT I

- Locate and describe the major physical features of the world
- Explain the distribution of the major climatic regions of the world
- Describe the major ecosystems of the world

UNIT II

- Describe the major regions of Asia
- Explain the physical features of Asia
- Describe the climate of Asia
- Explain the natural vegetation of Asia

UNIT III

- Describe the major regions of Europe
- Explain the physical features of Europe
- Describe the climate of Europe

UNIT IV

- Describe the major regions of North America
- Explain the physical features of North America

NOTE:

– Activities like collection of pictures, preparation of charts, models, etc. should be encouraged.

– Activities like visit to places of geographical importance, observation of natural phenomena, etc. should be encouraged.

Principles of Cartography

Elements of Cartography

Elements of Practical Geography,

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Maps- Topographical and Statistical

The Story of Maps,

The History of Cartography

Maps Interpretation: India Landscapes Through Survey of India

Cartographic Design- Theoretical and Practical Perspectives

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Exploring Spatial Analysis in Geographic Information Systems, n o 99 –

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