

Reg. No.									
----------	--	--	--	--	--	--	--	--	--



# MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

*A Constituent Institution of Manipal University*

**IV SEMESTER B.TECH. (OPEN ELECTIVE)  
END SEMESTER EXAMINATIONS, APRIL/MAY 2017  
SUBJECT: INTRODUCTION TO REMOTE SENSING AND GIS [CIE 3282]**

**REVISED CREDIT SYSTEM**

**(20/06/2017)**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.
- ❖ Draw diagrams wherever necessary

<b>1A.</b>	Explain stages of remote sensing	<b>5</b>
<b>1B.</b>	Explain classification of sensors	<b>5</b>
<b>2A.</b>	What are Visual interpretation keys? Explain any 3 visual interpretation keys in detail	<b>7</b>
<b>2B.</b>	Write a short note on GPS	<b>3</b>
<b>3A.</b>	Explain pre-processing	<b>6</b>
<b>3B.</b>	Explain Principal Component Analysis	<b>4</b>
<b>4A.</b>	What are the limitations of Digital Image Processing?	<b>4</b>
<b>4B.</b>	What is spectral reflectance curve? Explain	<b>6</b>
<b>5A.</b>	Explain components of GIS	<b>4</b>
<b>5B.</b>	What is the difference between topology model and CAD model? Explain	<b>6</b>