

GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR
Course: Space Science and Communication Technology
Semester-VI (Batch: 2014-19)

Mid Semester Test: Feb-Mar. 2017

Date: 4th March, 2017

Duration: 1 ½ hours

Max. Marks: 20

Instructions:

- Read the questions properly and write the answers in the given answer book.
- The respective marks for each question are indicated in-line.
- Do not write any thing on the question paper.
- Indicate correct question numbers in front of the answers.
- No questions or clarifications can be sought during the exam period, answer as it is, giving reason, if any.

	Marks
Q.1 Give two difference between comet and asteroid.	(01)
Q.2 Give two advantages of using a transformer in an electric circuit.	(01)
Q.3 Write four differences between gravitational force and the electrostatic force.	(02)
Q.4 Explain the principle behind the resistance being offered by a material to the current flowing through it.	(02)
Q.5 Explain the working of a Maxwell-Wien bridge with the help of a neat diagram.	(03)
Q.6 Explain the working of a Parallel Positive Clipper Circuit with the help of a neat diagram.	(03)
Q.7 Name and explain the stages in the life cycle of a star whose mass is similar to that of Sun.	(04)
Q.8 State the Maximum Power Transfer Theorem and obtain the same with the help of neat diagram.	(04)
