Code No.: 3205

Max. Marks: 75

6

ENGG

## **FACULTY OF ENGINEERING**

## B.E. IV/IV Year (ECE) II Semester (Main) Examination, May/June, 2011

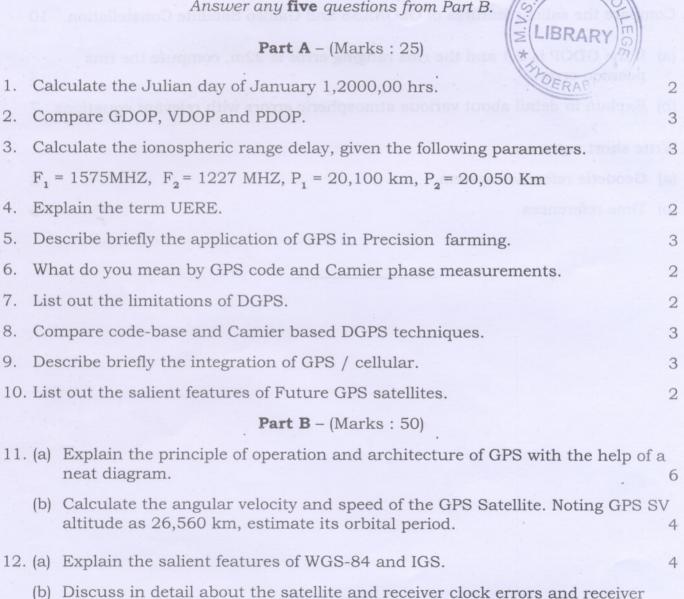
## GLOBAL POSITIONING SYSTEM

(Elective - II)

Time: 3 Hours

measurement noise...

Answer all questions from Part A.
Answer any five questions from Part B.



13. (a) Discuss in detail about the GPS navigation and observation data formats. 6 (b) Explain with a neat diagram about the GPS signal structure. 14. (a) Discuss the relative advantages of LAAS with respect to WAAS. (b) Describe the salient features and limitations of WAAS. 6 15. Compare the salient features of GLONASS and Galileo Satellite Constellation. 16. (a) If the GDOP is 2.1 and the rms ranging error is 22m, compute the rms position error. Explain in detail about various atmospheric errors with relevant equations. 7 17. Write short notes on: (a) Geodetic reference system

Time references.