



Sanjay Ghodawat University, Kolhapur

2017-18

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester II

EES 508.3

Remote Sensing & Network

Max Marks: 100

May 2018

End Semester Examination (ESE)

Time: 3 Hrs

28th May 2018

Instructions for Students: 1) Use of non-programmable calculator is allowed
10:30 AM to 1:30 PM. 2) All questions are compulsory

Q1	Attempt any two of the following	Marks	COs
a)	What do you mean by remote sensing? Explain evolution of RS in detail.	08	CO1
b)	With neat diagram, explain Electromagnetic spectrum. Explain its applications in RS?	08	CO1
c)	What do you mean by Atmospheric windows?	08	CO1
Q2	Attempt any two of the following		
a)	Explain Kepler's three laws of planetary motion with suitable diagram?	09	CO2
b)	What do you mean by field of view? Explain any two satellite orbits with specifications?	09	CO2
c)	Write a note on mission chandrayana?	09	CO2
Q3	Attempt any two of the following		
a)	What do you mean by digital image? How 2D & 3D image is represented?	08	CO3
b)	Write a note on image enhancement?	08	CO3
c)	Explain Geometric correction?	08	CO3
Q4	Attempt any two of the following		
a)	Explain any one format of remote sensing image data?	08	CO4
b)	Explain any four elements of visual interpretation?	08	CO4
c)	Explain different platform used in RS?	08	CO4

- Q5** Attempt any two of the following
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|----|---|----|-----|
| a) | Define radiance and radiance flux. | 09 | CO5 |
| b) | What do you mean by black body? Explain its properties in thermal RS? | 09 | CO5 |
| c) | Explain thermal conductivity and thermal inertia? | 09 | CO5 |
- Q6** Attempt any two of the following
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|----|---|----|-----|
| a) | What do you mean by multispectral scanner? State its types? | 08 | CO6 |
| b) | Explain Wien's law & Kirchhoff's law? | 08 | CO6 |
| c) | Write capabilities and limitations of remote sensing ? | 08 | CO6 |
