

210189150002

B.Sc. (Forestry)-3<sup>rd</sup> Semester, Examination-(2019-20)  
Paper- IV  
Soil Survey, Remote Sensing and Wasteland Development

S-1133

Time: Three Hours

MM: 35

Section A

Note: Attempt all questions. Each question carries 1 mark.

Fill in the blanks.

1. Ravines are .....
2. Photogrammetry is.....
3. GPS is.....
4. Polar orbiting Satellite is.....
5. FCC is.....

Write True (T) or False (F).

6. GIS is Geologic Information System. T/F
7. EMR is Electromagnum spectrum. T/F
8. Headquarter of ISRO is in Dehradun. T/F
9. Moon is a satellite. T/F
10. The satellite moves from pole to pole of earth is called Geostationary Satellite. T/F

Section B

Note: Attempt any five questions. Each question carries 2 marks.

11. What are the differences between Active and Passive Remote Sensing?
12. Write about Aerial Photography and Satellite Imagery.
13. Write about definition and types of Soil Survey.
14. Write a short note on differential reflection by surface.
15. What are the difference between Afforestation and Reforestation?
16. Write name, year of establishment and Head quarter of agencies involved in Remote Sensing.
17. What are Murrummy and Sandy soils?

Section C

Note: Attempt any three questions. Each question carries 5 marks.

18. Explain reclamation of Mine Wastes.
19. What is Soil Sampling? Write about different Soil Sampling Methods.
20. Write about Land Capability Classification.
21. Write about Photography. Explain different types of Photograph with figure.
22. What is Remote Sensing? Write its applications in Soil survey and Watershed Development.