

Total No. of Printed Pages:1

SUBJECT CODE NO:- H-488
FACULTY OF SCIENCE AND TECHNOLOGY
T.E. (Civil) (Sem-I)
Advance Surveying
[OLD]

[Time: TWO Hours]

[Max. Marks:40]

Please check whether you have got the right question paper.

N.B.: 1) Q.No.1 and Q.No.5 are compulsory.

2) Answer any two questions from Section A and Section B.

3) Assume suitable data if necessary.

Section – A

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| Q.1 | Attempt any three | 06 |
| | 1) Explain mean sea level | |
| | 2) What is hydrographic surveying. | |
| | 3) What are soundings. | |
| | 4) Define Drift. | |
| | 5) Define scale of a vertical photograph | |
| Q.2 | Explain the various methods of locating soundings. | 07 |
| Q.3 | Describe a fathometer and explain its use in hydrographic surveying. | 07 |
| Q.4 | The distance from the principal point to an image on a photograph is 6.5 cm and the elevation of the object above the datum is 200m. What is the relief displacement of the point if the datum scale is 1/10,000 and focal length of the camera is 15cm. | 07 |

Section – B

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| Q.5 | Attempt any three | 06 |
| | 1) What do you understand by Remote sensing. | |
| | 2) Differentiate between active and passive remote sensing. | |
| | 3) What are the sensors used in Remote sensing. | |
| | 4) Name two softwares used in GIS. | |
| | 5) Name the types of Remote sensing platforms. | |
| Q.6 | Explain the applications of Remote Sensing. | 07 |
| Q.7 | What do you understand by electromagnetic spectrum? | 07 |
| Q.8 | What are the essentials of GIS? | 07 |