



R20 Regulation

Subject code: 308AA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VIII Semester Regular Examinations, April 2024

GEO INFORMATICS

(Computer Science and Engineering)

(Open Elective)

Maximum Marks: 70

Date: 24.04.2024 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10x2M=20 Marks)		CO	Bloom Tx
1	Define lateral overlap.	1	L1
2	Define flight planning.	1	L2
3	List different uses of remote sensing satellites.	2	L2
4	Define resolution.	2	L1
5	What is use of histogram?	3	L2
6	Define Histogram and list its uses.	3	L1
7	Define Topology.	4	L1
8	Define data encoding.	4	L1
9	List different types of Global Navigation Satellite Systems.	5	L1
10	List different GPS applications.	5	L2

Part-B

Answer All the following questions. (5X10M=50Marks)			
11	A. Explain aerial photo interpretation. (5M) B. Explain the characteristics of photographic images. (5M)	1	L2 L2
	OR		
12	A. Explain the classification of Aerial photograph. (5M) B. Explain the advantages and disadvantages aerial photography. (5M)	1	L2 L2
13	A. Explain the importance of spectral reflectance curves. (5M) B. Explain orbital characteristics in remote sensing. (5M)	2	L2 L2
	OR		
14	A. Explain the use of different data products of remote sensing satellites. (5M) B. Explain the general steps of image processing. (5M)	2	L2 L2
15	Explain in detail land use and land cover classification system. (10M)	3	L2
	OR		
16	Explain different applications of remote sensing. (10M)	3	L2

17	A. What are the advantages and disadvantages of Raster GIS. (5M) B. Explain different applications of GIS. (5M)	4	L2 L2
	OR		
18	Explain different processes in GIS. (10M)	4	L2
19	A. Explain GALILEO navigation satellite system. (5M) B. Explain Differential GPS and its applications. (5M)	5	L2 L2
	OR		
20	Explain the importance of Global Navigation Satellite System (GNSS). (10M)	5	L2