



CHRISTIAN SERVICE UNIVERSITY COLLEGE KUMASI, GHANA

FACULTY OF HUMANITIES

DEPARTMENT OF PLANNING AND DEVELOPMENT BACHELOR OF ARTS IN PLANNING AND SOCIAL DEVELOPMENT END OF FIRST SEMESTER EXAMINATIONS- 2019/2020 ACADEMIC YEAR LEVEL 300

DPSD 313: GEOGRAPHICAL INFORMATION SYSTEMS

DECEMBER, 2019

60 Marks

Time Allowed: 2 Hours 30 minutes

GENERAL INSTRUCTION TO CANDIDATES:

- Answer THREE questions
- Present all answers in essay form
- Marks will be awarded for clarity of expression of ideas and grammar
- Write your index number on top of the question paper
- Answer Question one (1) and any other TWO others

Inde	x Numb	erSignature	Date
	Questi	on 1 (20 marks)	
	a. b. c. d.	What is Geographic Information System (GIS) (2 marks) List with examples the four components of GIS (4 marks) Name the three shapes of vector data with diagrams (6 marks) Explain the following terms: (8 marks) i. Buffering ii. Overlaying iii. Database management system (DBMS) iv. Georeferencing	
	Questi	on 2 (20 marks)	
	a.	 Write short notes on any five of the following (20 marks) i. Map scale ii. Distance iii. Coordinate system iv. Relational database management system v. Navigation vi. Map projection vii. Maps viii. Location ix. GPS 	
	Quest a. b. c. d. e.	State the primary sources of errors in GIS data (3 marks) List three sources of data in GIS (3 marks) Write short notes on the types of maps in GIS (6 marks)	
	Quest	tion 4 (20 marks)	
	Discu	ass the steps involved in conducting a GIS project	
	Ques	tion 5 (20 marks)	
	a. b	C1 . 1 dala in CIC (9 morks)	

c. List the procedures in drone mapping (5 marks)d. Write short notes on data and information (5 marks)