**OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, NIGERIA**

**FACULTY OF SOCIAL SCIENCES,**

**DEPARTMENT OF GEOGRAPHY**

**B.Sc./B.Sc Ed. (Geography) Degree Examination**

**Harmattan Semester 2014/2015 Session**

**GPY 205: INTRODUCTION TO CARTOGRAPHY AND MAP ANALYSIS**

**Instruction**: Answer Question **1** and any other 2 questions **Time Allowed**: 2hours

1. Answer the following questions on the map of Abeokuta N.E. on scale 1: 50000;
2. Delineate the drainage basin of River Adako;
3. Calculate the basin area;
4. Calculate the bifurcation ration of the river.
5. a. What is cartography?

b. Discuss the historical development of cartography highlighting its key landmarks.

1. a. Write an explanatory notes on the following:
2. Coordinate systems;
3. Drainage Basin;
4. Sinuosity ratio;
5. Stream ordering;
6. Drainage density.
7. a. Drainage channels develop where surface runoff is enhanced and earth materials

provide the least resistance to erosion. Discuss the various patterns.

 b. Explain the various aspects of Cartography.

5. a. Draw a profile of an Island (used the attached map) and calculate it’s vertical

exaggeration. Are points A and B intervisible.

 b. concisely elucidate the usefulness and limitations of map. With the aid of

examples and illustrations distinguish between thematic and general maps.

 6. Discuss the various steps involved in putting the real world on map.