ELEMENTS OF PRACTICAL AND PHYSICAL GEOGRAPHY

Answer question 1 and any three others.

Question 1 carries 25 marks while other questions carry 15 marks each.

You are advised to spend not more than 35 minutes on Question 1.

1. Study the map extract provided on a scale of 1:50,000 and answer the questions that follow.

   (a) In your answer booklet, draw an outline of the mapped area to a new scale of 1 : 150,000.

   [5 marks]

   (b) In your new outline, insert and name:
   - (i) the full length of River Pra and its direction of flow with an arrow; [3 marks]
   - (ii) one named left bank tributary of River Pra; [2 marks]
   - (iii) KAYEREKU settlement; [2 marks]
   - (iv) the full length of the railway line. [2 marks]

   (c) What is the bearing of TWIFO MAMPON from Adugyaa? [3 marks]

   (d) Describe four drainage characteristics of River Pra. [8 marks]

2. The Table H below shows the value of commodities exported by a country from the years 2010 to 2014. *Study and use it to answer the questions that follow.*

   Table H

Year	Value of commodities exported in million cedis
2010	60
2011	30
2012	20
2013	80
2014	15

   (a) Using a vertical scale of 2 cm to represent 10 million units of the value of exported commodities, construct a divergent bar graph to represent the data. [13 marks]

   (b) State two advantages of divergent bar graphs. [2 marks]

3. (a) State five characteristics of the lower course of a river. [5 marks]

   (b) Describe the characteristics and mode of formation of a levee. [10 marks]

4.   (*a*)   Write explanatory notes on the Prime meridian.   [6 marks]

     (*b*)   A basketball match between Town **X** located on longitude 15° E and Town **Y** located on longitude 45° W is to start in Town **Y** at 4.00 p.m local time. Calculate the time the people in Town **X** should turn on their television sets to watch the live match.   [9 marks]

5.   (*a*)   What is an *earthquake*?   [3 marks]

     (*b*)   Identify **four** causes of earthquakes.   [8 marks]

     (*c*)   Outline **two** effects of earthquakes.   [4 marks]

6.   (*a*)   Describe how the following factors influence temperature:
         (i)   slope and aspect;   [8 marks]
         (ii)   continentality.   [7 marks]

7.   (*a*)   What is a *delta*?   [3 marks]

     (*b*)   Identify **three** similarities between *arcuate delta* and *bird's foot delta*.   [6 marks]

     (*c*)   Explain **three** conditions that favour the development of a delta.   [6 marks]

8.   (*a*)   What is an *environmental hazard*?   [2 marks]

     (*b*)   List **three** examples of environmental hazards.   [3 marks]

     (*c*)   Identify **five** effects of environmental hazards on mankind.   [10 marks]

END OF PAPER

SCALE 1:50,000