



UNIVERSITY OF GHANA  
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DEPARTMENT OF TEACHER EDUCATION  
SCHOOL OF EDUCATION AND LEADERSHIP  
COLLEGE OF EDUCATION  
END OF YEAR TWO SEMESTER TWO EXAMINATIONS, 2020/2021  
B.ED. PROGRAMME

COURSE CODE: TEJS 254

COURSE TITLE: MAP USE AND INTERPRETATION

**Instruction:** Answer all questions in Section A and any three in Section B. All questions must be answered in the answer booklet.

**Time: 2 hours**

**SECTION A**

**[25 Marks]**

**Attempt all the questions in this section.**

Study the map of AWA DISTRICT attached and use it to answer questions 1 to 6.

1. The Representative Fraction scale of the map is?

- A. 1/10,000
- B. 1/25,000
- C. 1/50,000
- D. 1/100,000

2. The contour interval on the map is?

- A. 50 metres
- B. 100 metres
- C. 150 metres
- D. 600 metres

3. What is the likely mode of transport connecting Ikpa settlement and Awa settlement?
- A. air
  - B. road
  - C. rail
  - D. water
4. What is the bearing of Ise from Ogah?
- A.  $10^\circ$
  - B.  $45^\circ$
  - C.  $70^\circ$
  - D.  $210^\circ$
5. Which of the following is not a function performed by AWA settlement?
- A. Commercial
  - ~~B. Medical~~
  - C. Judicial
  - D. Educational
6. Which of the following is likely to be an economic activity in the North-eastern part of the mapped area?
- A. lumbering
  - B. animal rearing
  - ~~C. mining~~
  - D. wood carving
7. Which of the following is NOT a source of data for map production?
- A. Air photographs
  - B. Remote sensors
  - C. Field notes
  - D. Non-existing maps
8. The branch of geography which deals with making and studying of maps in all their aspects is called?
- A. Cartography
  - B. Geographic information system
  - C. Map work

- D. Survey
9. In modern cartography, several new data capture devices have emerged, many of which generate data in digital forms. All the following constitutes these new data capture devices These new data capture devices and systems includes the following EXCEPT?
- A. Radio stations
  - B. Remote sensors
  - C. total stations
  - D. Satellite positioning systems
10. Which colour is used to represent drainage on maps?
- A. Blue
  - B. Black
  - C. Green
  - D. Red
11. All the following are great circles EXCEPT?
- A. Latitude  $0^{\circ}$
  - B. Latitude  $23\frac{1}{2}^{\circ}\text{N}$
  - C. Longitude  $0^{\circ}$
  - D. Longitude  $180^{\circ}\text{E}$
12. A location on a map, which is found using the northing and easting numbered lines is called?
- A. Grid reference
  - B. Longitude reference
  - C. Magnetic line
  - D. North pole
13. Maps can be classified according to the following categories EXCEPT?
- A. Ground measurement
  - B. Size of scale
  - C. Subject matter and function
  - D. Thematic area

14. What will be the local time in Brazil ( $50^{\circ}$  W) when it is noon in Ghana ( $0^{\circ}$ )?
- A. 3:20am
  - B. 8:40am
  - C. 9:35am
  - D. 10:15am
15. If the bearing of A from B is  $135^{\circ}$  what will be the bearing of B from A?
- A.  $045^{\circ}$
  - B.  $270^{\circ}$
  - C.  $185^{\circ}$
  - D.  $315^{\circ}$
16. Convert 1:150,000 to statement scale in metric units.
- A. 1cm to 3km
  - B. 2cm to 3km
  - C. 3cm to 3km
  - D. 4cm to 6km
17. If the distance between two places on a map is 12cm and the scale of the map is 2cm to 1km or 1:50,000, calculate the actual ground distance.
- A. 2km
  - B. 4km
  - C. 6km
  - D. 8km
18. The instrument used for measuring angles and showing directions is referred to as?
- A. Anemometer
  - B. Compass
  - C. Barometer
  - D. Hydrometer
19. A.....is one which shows the nature and types of rocks and how they are distributed in an area.
- A. Geographic map
  - B. Geologic map
  - C. Geodetic map



## SECTION B

[75 Marks]

**Answer three questions from this section. Each question carries 25 marks.**

1. a) Define the term map.
- b) Write notes on the following maps and state their uses.
  - i. Thematic maps
  - ii. Cadastral
  - iii. Topographic
2. With appropriate diagrams, describe any **four** of the following pictorial methods of showing reliefs on maps.
  - a. Contour lines
  - b. Bench mark
  - c. Spot Heights
  - d. Hill shading
  - e. Layer colouring or Tinting
  - f. Hachuring

3. The table below is a record of export of various commodities for three months period.

Number of commodities exported in thousands (000)

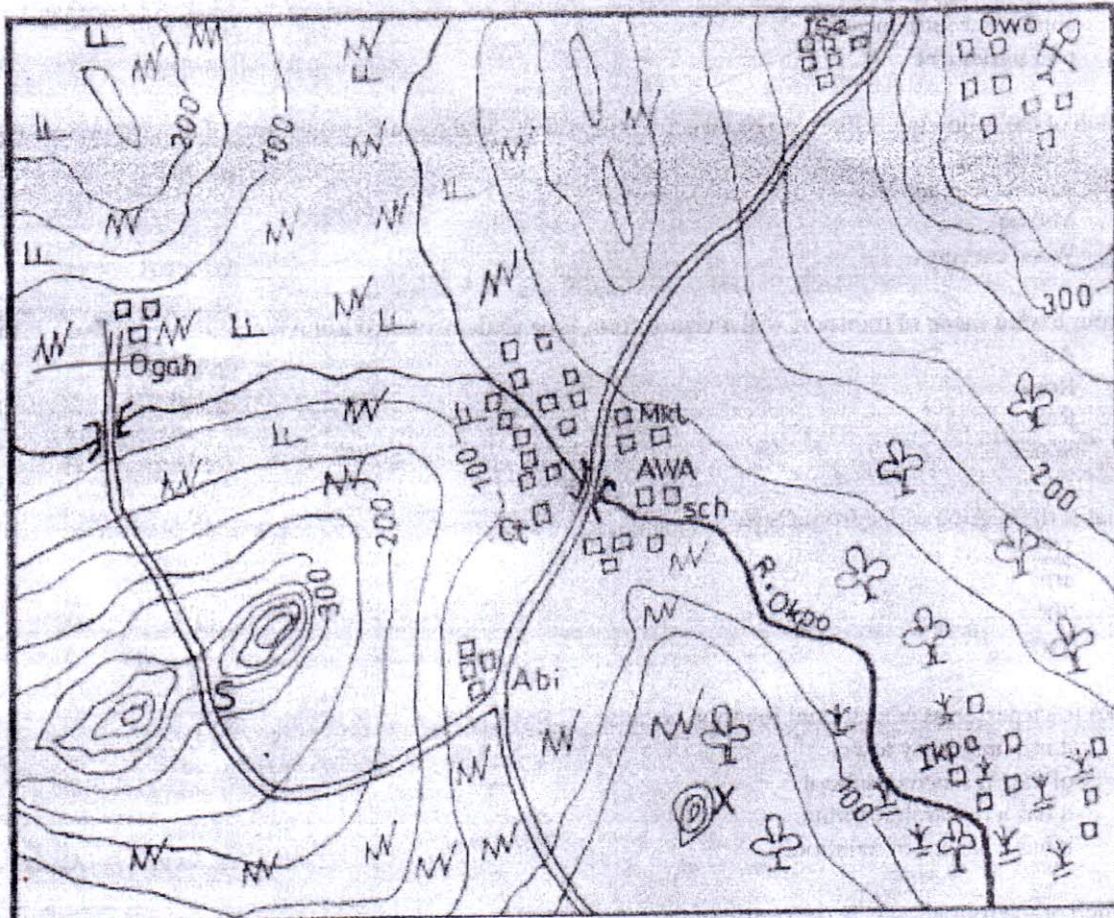
Months	Gold	Cocoa	Timber	Rubber
January	25	15	32	23
February	20	28	44	22
March	28	20	30	20
April	12	17	14	10

- a). Calculate the total number for
  - i. All groups for each month.
  - ii. Each group for the four months period.
- b) Construct a pie chart to represent the various groups of commodities exported for the four months period.
- c) State two advantages of the use of the pie chart in representing the data.

4. a) What is a scale of a map?  
b) With appropriate examples, explain three ways in which scales are expressed on topographical maps and give one merits of each.  
c) Give any two differences between a small-scale map and a large-scale map.
5. a) Define conventional signs or symbols and explain the various types.  
b) State two (2) advantages and two (2) disadvantages of conventional signs or symbols.  
c) Give two differences between longitudes and latitudes.



# AWA DISTRICT



1 0 1 2 3 4 Km

100	Contour in meters	X	Heavy forest
—	Road	W	Mineral workings
L	Scrub	W	Scattered cultivation
Y	Swamp	—	River
Mkt	Market	—	Bridge
Ct	Court	Sch	School