113/1

GEOGRAPHY PAPER 1

(For both School and Private Candidates)

TIME: 3 Hours.

Answer FIVE questions in all. TWO questions from Section A and THREE questions from Section B. Question ONE in Section A is Compulsory.

Credit will be given for the use of relevant sketch maps and diagrams.

Write your Index Number on every page of your answer booklet.

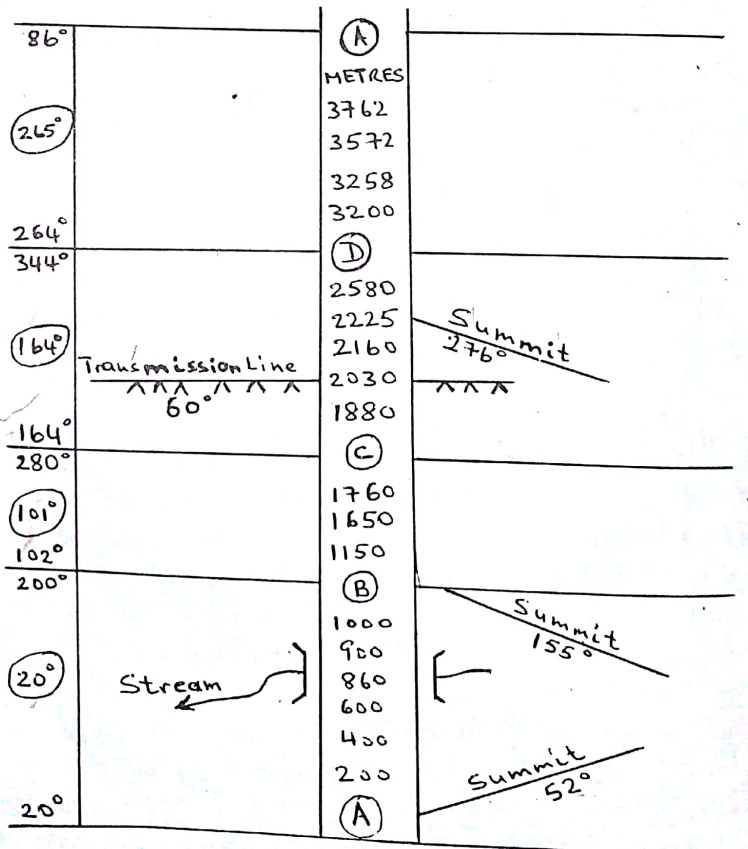This paper consists of   5   printed pages.

SECTION A

Answer question ONE and any other question from this
section. Candidates are advised to spend not more than
50 minutes on question one.

1. Study the map extract of part of TANZANIA - DODOMA WEST
(Sheet 162/1) provided and answer the following questions:

(a) Explain how the drainage pattern of the area is related to relief.

(b) Calculate the area covered by Singe Swamp. (Give the answer
in sq. km.).

(c) Draw a cross section from Mahenge peak and the western peak
of Wibete hill.

(d) What social and economic activities are found in the area
demarcated by the following grid references? 016178; 044178;
016150 and 044150.

(e) What features are found at Grid reference;

(i) 960200? (ii) 011139?

2. Fig. I. shows a field book entry of Compass traverse along a path runni
around the lower slope of a hill

FIGURE 1

2. Contd...

(a) Using scale of 1:10,000 plot the traverse and correct the misclosure.

(b) What could be the possible causes of the misclosure?

3. Fig. 2 on page 5 represents an area along the coast of Tanzania showing the relief and rainfall of selected stations.

(a) Draw the isohyets at 10cm interval.

(b) Using the shading method show the average rainfall pattern in the area.

(c) Discuss the merits and demerits of rainfall presentation used on the map.

Study table 1 carefully and answer the questions that follow:

EXPORTS OF AGRICULTURAL PRODUCE (TONS) 1965-67

PERIOD	SISAL	COTTON	COFFEE	G/NUTS	C/NUTS
1965	210,235	55,261	27,947	6,445	63,632
1966	195,812	84,786	50,321	4,653	71,099
1967	201,183	59,760	44,637	5,573	69,789

(a) Plot the data by means of group bar graphs.

(b) Comment on the disadvantages of group bar graphs.

SECTION B

Answer any <u>three</u> questions from this section.

Climate is the most important single control of river regime. Discuss.

Give an account of the factors which influence development of the long and cross profiles of a river valley.
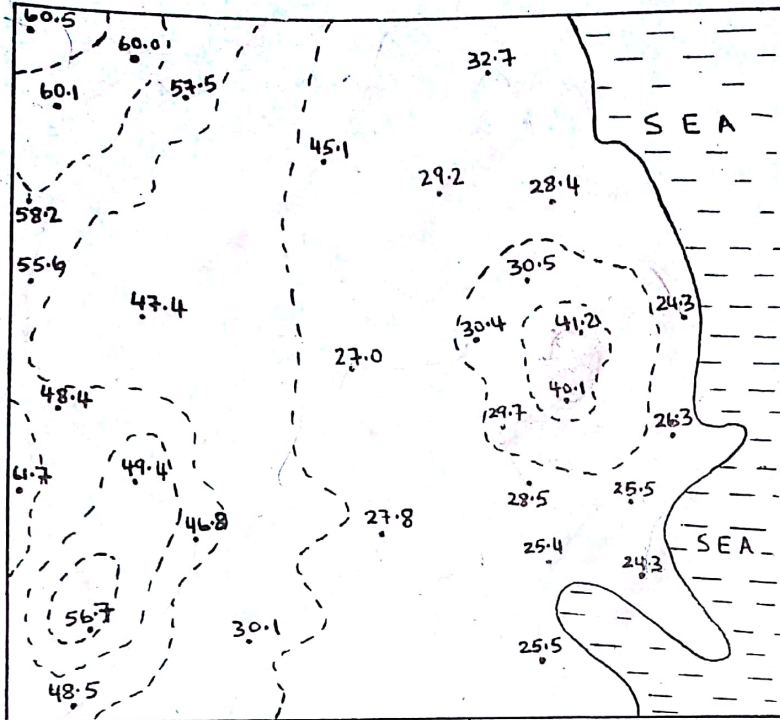
Mountains make their own climates. Discuss.

Outline the main features of a glaciated lowland area.

Discuss the causes and effects of earthquakes.

10. Give a brief explanatory account of three of the following:
    (a) Radiation fog
    (b) Temperature inversion
    (c) An anticyclone
    (d) Lapse rate.

11. "The nature of the underlying rock is the most important single factor determining soil type". Discuss.

12. (a) What do you understand by:
    (i) Coriolis force   (ii) Centrifugal force?

    (b) Discuss their influence on the pressure and wind systems of the eart

Figure 2: (for Qn. 3)

60.5
60.0
60.1   57.5
32.7

S E A

58.2
45.1
29.2   28.4

55.9
30.5
47.4
30.4   41.2   24.3
27.0   40.1
48.4
29.7   26.3
4.7   49.4
46.8   27.8   28.5   25.5
25.4   S E A
24.3
56.7
30.1
25.5
48.5

Contours (V.I. 100 m)

48.5 Rainfall in cm.

KEY:
24.1 – 34.1
34.2 – 44.2
44.3 – 54.3
54.4 – 60.4