

## 7480 Topographical Drawing 2

### CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examination

JUNE XXXX

ADVANCED LEVEL

Specialty Name (Specialty Code)	SURVEYING - SURV(GTTO)
Subject Title	<b>Topographical Drawing</b>
Paper No.	2
Subject Code No.	<b>7480</b>

Three hours

INSTRUCTIONS TO CANDIDATES



*You are reminded of the necessity for good English and orderly presentation in your answers.*

*You are advised to read carefully through the question paper, before you begin your answers.*

*Turn Over*

### **PART ONE: TOPIC**

Mr. Tantoh Emmanuel is a real estate agent and owner of Land Certificate Number 10985/Mezam. The land certificate covers a surface area of 6353 square meters located in Bamenda I subdivision, Mezam division of the North West Region of Cameroon. The client wishes to sell a portion of land in the same Land certificate to Mr. Mbaku Fidelis a native of mankon. A proposed layout plan was then produced by a private surveys consultant as presented in the annex 1.

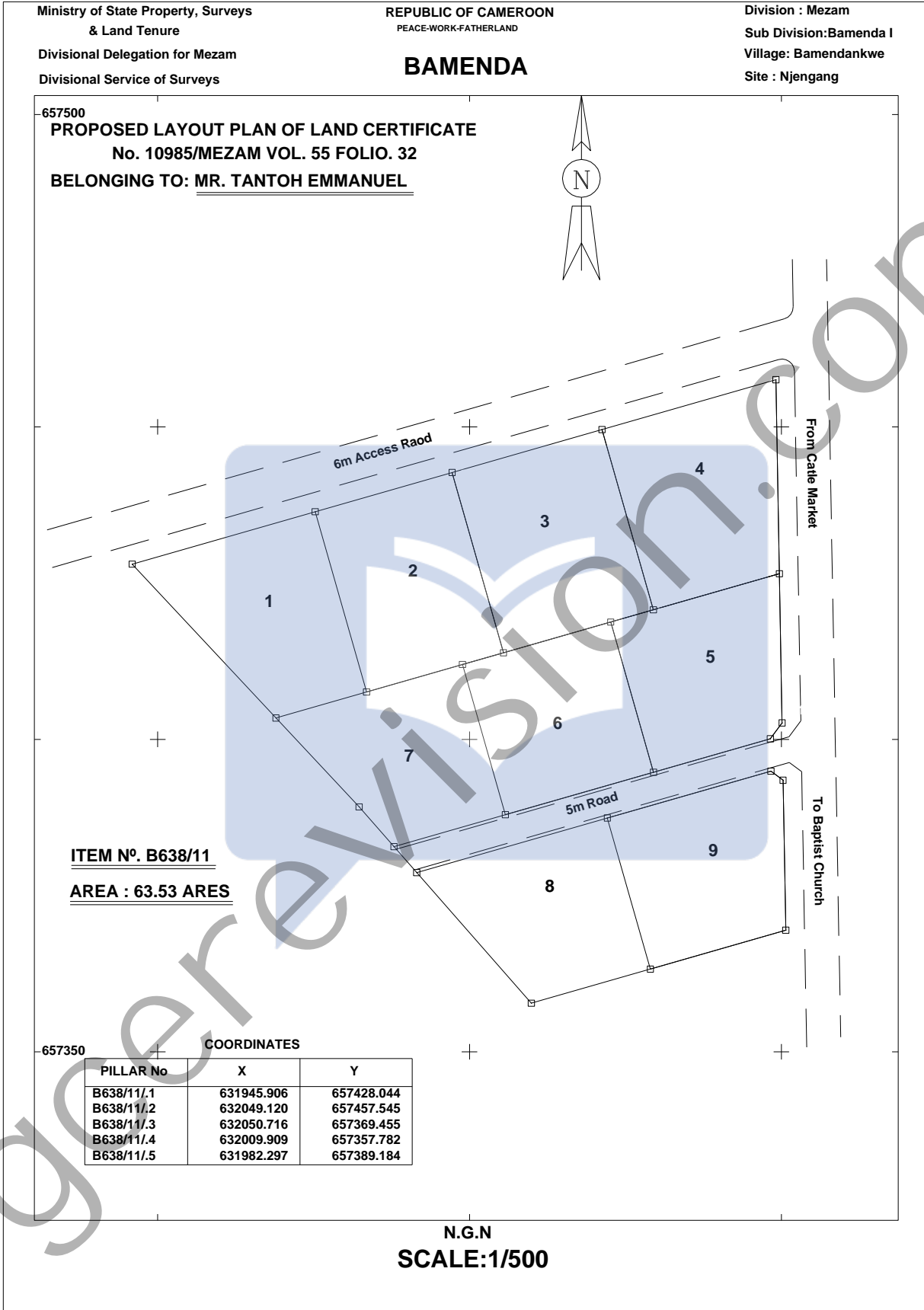
Annex 2 shows the coordinates of the points of the partitions.

### **PART TWO: WORK REQUIRED:**

1. With the rectangular coordinates in annex 2, plot to scale 1:500 on A4 tracing paper the partition Number 4. **(8 marks)**
2. Calculate the distances of all the sides of the closed polygon. **(4 marks)**
3. Calculate the whole circle bearings in clockwise direction of the sides of this polygon. **(4 marks)**
4. Deduce the surface area of this partition. **(4 marks)**
5. Write the distances and bearings to their respective positions on the drawing. **4 marks**

Note: the final drawing and lettering should reflect example shown in annex 3

### Annex 1. Layout plan



## ANNEX 2:

## LISTING OF POINTS

Matricule	X insertion	Y insertion
B.1	631975.250	657436.431
B.2	631997.204	657442.706
B.3	632021.242	657449.577
B.4	632049.682	657426.504
B.5	632029.486	657420.732
B.6	632022.639	657418.775
B.7	632005.449	657413.861
B.8	631998.871	657411.981
B.9	631983.495	657407.586
B.10	631968.955	657403.431
B.11	631987.877	657382.838
B.12	632005.741	657387.944
B.13	632029.509	657394.737
B.14	632048.228	657400.088
B.15	632050.115	657402.637
B.16	632050.281	657393.464
B.17	632048.322	657394.914
B.18	632022.091	657387.417
B.19	631991.531	657378.682
B.20	632029.001	657363.243
B638/11/1	631945.906	657428.044
B638/11/2	632049.120	657457.545
B638/11/3	632050.716	657369.455
B638/11/4	632009.909	657357.782
B638/11/5	631982.297	657389.184

Annex 3: Presentation on paper.

<b>Ministry of State Property, Surveys &amp; Land Tenure</b>	<b>REPUBLIC OF CAMEROON</b> PEACE-WORK-FATHERLAND	<b>Division : Mezam</b>
<b>Divisional Delegation for Mezam</b>	<b>BAMENDA</b>	<b>Sub Division: Bamenda I</b>
<b>Divisional Service of Surveys</b>		<b>Village: Bamendankwe</b>
		<b>Site : Njengang</b>

<p><b>PLAN ATTACHED TO THE DEED OF CONVEYANCE OF LAND CERTIFICATE No. 10985/MEZAM VOL. 55 FOLIO. 32 BETWEEN</b></p> <p><b><u>MR. TANTOH EMMANUEL</u> (Vendor)</b></p> <p><b>And</b></p> <p><b><u>MR. MBAKU FIDELIS</u> (Purchaser)</b></p>	
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<p>Extracted From L.C No 10985/Mezam On The 11/05/2019 By: Abengho Walters .A (Sworn Surveyor)</p>	<p><b>N.G.N</b> <b>SCALE: 1/500</b></p>	<p><b>3 cm</b></p>	<p><b>1cm</b></p>
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