

c. Define the term revolution. 1mk

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d. State 4 effects of revolution of the earth. 4mks

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e. It is 10:30 am at town a ($35^{\circ}N, 105^{\circ}W$). Find the time at b ($1^{\circ}S, 37^{\circ}E$). 3mks

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f. What is international dateline? 1mk

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g. What is the effect of crossing the international dateline from

(i). east (1mk).....
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(ii). west (1mk).....
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h. Give any 2 characteristics of the following

(i). Lithosphere(2mks).....
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(ii). Asthenosphere 2MKS.....
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2)a). Define the term weather(2mks)
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b. Complete the table below

weather elements	measuring instrument
.....	Thermometer
Beaufort scale
Thermo hygrometer
.....	rainfall
.....	anemometer
.....	Hygrometer

c. Draw a well labelled diagram to illustrate the following

l) sea breeze

ii) land breeze

d) i). what is a weather station. 1mk

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li) State 4 factors to consider when siting a weather station. 4mks

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e). Explain how sunshine is measured. 4mks

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3(a)(i) Define the term atmosphere. 1mk

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ii). Write down any 6 characteristics of the following

iv) what is the wettest and the driest month (2mks)

iii) Total annual rainfall (2mks)

ii) Mean annual temperatures (2mks)

i) The annual range of temperature (1mk)

A) calculate

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp(*c)	18	19	20	19	18	17	16	16	17	19	18	18
Rainfall(mm)	62	55	95	227	185	35	18	23	32	54	148	102

b) The data below was collected by form 1 class from Gatitu secondary school during a visit to a weather station use it to answer the questions below

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Stratosphere: 6mks

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Troposphere: 6mks