

COMPETENCE BASED CURRICULUM
JUNIOR SCHOOL
GRADE 8
FORMATIVE ASSESSMENT
SOCIAL STUDIES
MARKING SCHEME

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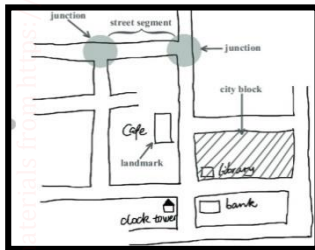
1. Identify the following maps



Topographical map



Atlas map



A sketch map.

2. Discuss the origin of the solar system under the following theories

a. The passing star theory

- ✓ A star with a greater gravitational pull passed near the sun
- ✓ It attracted large quantities of gaseous materials from the sun
- ✓ The materials split, cooled and condensed to form planets
- ✓ The planets were set in orbit by the passing star

b. The nebula cloud theory

- ✓ There was a slowly rotating cloud of dust and gas called Nebula. This caused high concentration of materials at the centre that formed the sun.
- ✓ Rotation speed increased and successive rings of gaseous materials were formed.
- ✓ The rings condensed to form planets.
- ✓ The materials grew in size enough to exert their own gravitational pull.
- ✓ The central gaseous material remained as the sun

3. State the names that describes the shape of the earth

- ✓ *Geoid*
- ✓ *Ovoid*
- ✓ *Oblate-spheroid*

4. **What are the Effects of Rotation of the Earth**

- ✓ Creates day and night because at any one time one side of the earth faces the sun (day) and the other remains in darkness (night).
- ✓ Causes deflection of winds and ocean currents in the N hemisphere to the left and in the S hemisphere to the right.
- ✓ It causes rising and falling of ocean tides.
- ✓ Causes time difference between longitudes.

5. **What are the effects of Revolution of the earth?**

- ✓ Causes the four seasons summer, autumn, winter and spring due to the movement of overhead sun causing changes in the heat belt.
- ✓ Causes variation of day and night's lengths due to the earth's axis being inclined to the path of revolution at an angle of 60°.
- ✓ Equinoxes have equal lengths of day and night.
- ✓ Summers have longer days and shorter nights.
- ✓ Winters have longer nights and shorter days.
- ✓ Causes changes in the altitude of the midday sun due to the earth's orbit being elliptical.
- ✓ Highest altitude during equinox.
- ✓ Lowest altitude during solstices.
- ✓ Causes lunar eclipse due to revolution bringing the earth in line with the sun and the moon.

6. If the time in Monrovia, Liberia, 12°W is 8:00am, what is the time at Addis Ababa, Ethiopia, 38°E?

Longitudinal Difference = $38^{\circ} + 12^{\circ} = 50^{\circ}$

$1^{\circ} = 4 \text{ Min}$ Or $15^{\circ} = 1 \text{ hour}$

If $1^{\circ} = 4 \text{ mins}$

What About 50° ? = ~~50×4~~ = 200 Mins

Change Minutes To Hours = $\left(\frac{200 \text{ mins}}{60 \text{ mins}}\right) \times 1 \text{ hr}$
 = 3 hours 20 Mins

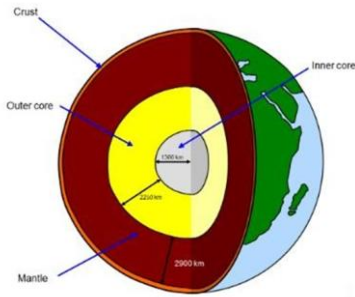
Since Addis Ababa Is Ahead Of Monrovia, Add Time

= 8:00am + 3hr 30 Min = 11:20am

7. List down four proofs that the earth is spherical

- ✓ **circumnavigation**
- ✓ **Approaching ship**
- ✓ **earth rotates from west to East**
- ✓ **Eclipse of the moon**
- ✓ **Earth curved horizon**
- ✓ **All other planets are round**

8. Identify the following parts of internal structure of the earth



9. State the characteristics of the earth's Core

- ✓ The innermost/central layer of the earth.
- ✓ Has 2 layers
- ✓ Outer Core
- ✓ Composed of very dense rocks
- ✓ Made up of nickel and iron
- ✓ Temperatures are up to 3700°C.
- ✓ Inner Core
- ✓ A solid mass of mainly iron
- ✓ Temperatures are estimated to be 4500°C to 5000°C.

10. State the Composition of the Atmosphere

- ✓ Gases-exist as a mixture
- ✓ Smoke particles
- ✓ Dust particles
- ✓ Water vapour.

11. a) Name the four main zones of the atmosphere

- **Troposphere**
- **Stratosphere**
- **Mesosphere**
- **Thermosphere/ionosphere**

12. The table below shows rain fall and temperature in town x use it to answer the questions that follow

Months	JA	FE	MA	AP	MA	JUN	JUL	AU	SE	OC	NO	DE
Temp °C	23	24	26	28	29	28	26	26	26	30	28	25
Rainfall mm	3	0	3	1	18	500	720	408	300	70	15	0

a) Calculate

- i. The total annual rainfall

Add all values for rainfall in all the months

Rainfall mm	3+	0+	3+	1+	18+	500+	720+	408+	300+	70+	15+	0+
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2038

ii. The mean monthly rainfall

Add all values for rainfall in all the months, then, divide by the number of months

Rainfall mm	3+	0+	3+	1+	18+	500+	720+	408+	300+	70+	15+	0+
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$$= \frac{2038}{12}$$

169.83

iii. The annual range of temperature

Differences between highest and lowest mean monthly temperature in year

$$30 - 23 = 7^{\circ}\text{C}$$

iv. The mean annual temperature (2mks)

$$\text{Mean annual temp} = \frac{\text{sum mean monthly temperature}}{12} = \frac{319}{12}$$

$$= 26.58^{\circ}\text{C}$$

b) Using the table indicate the following

i. The wettest month

July

ii. The hottest month

October

iii. The coolest month

January

13. What are the factors to be taken into account when sitting a weather station

- ✓ Open space-An open place where there is little obstruction of weather elements.
- ✓ Accessible place-Accessible place so that recording can be done easily.
- ✓ Gently sloping land-A fairly level or gently sloping ground (5°) so that it's easy to position weather instruments.
- ✓ Security-The place should have security.
- ✓ The place should provide a wide view of the surrounding landscape and the sky.
- ✓ The site should be free from flooding.

14. Write what element of weather they measure

- ✓ **Thermometer**- measures temperature
- ✓ **Hygrometer**- measures humidity
- ✓ **Rain gauge**-measures rainfall

15. State the Factors influencing population distribution in Africa.

- ✓ Climate.
- ✓ Security.
- ✓ Soil.
- ✓ Presence of water.
- ✓ Transport and communication.
- ✓ Historical events.
- ✓ Conflicts.
- ✓ Growth of towns among others.

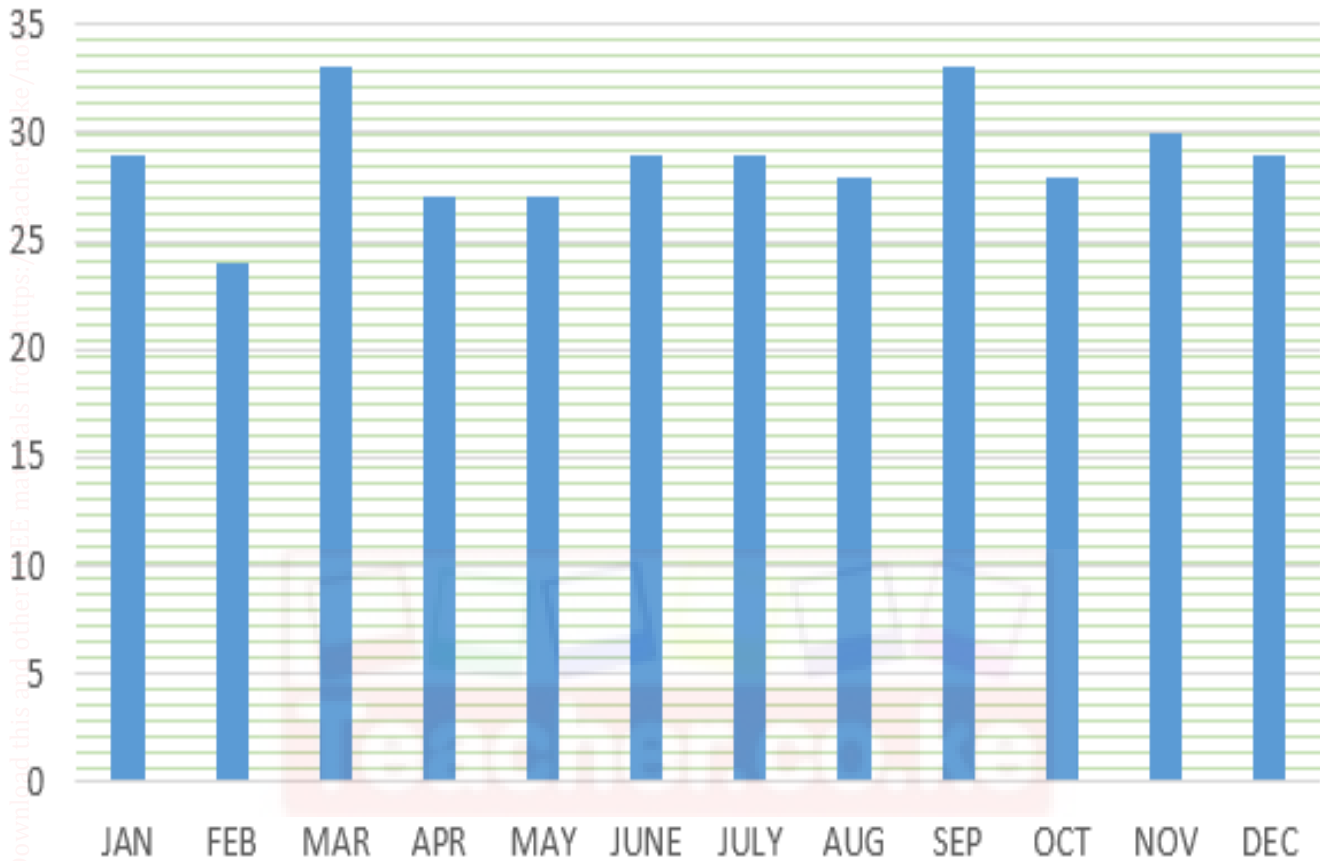
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16. A Grade 7 learners in a certain school obtained the following data showing monthly temperatures recorded in the nearby weather station. Create a simple bar graph using the information given

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp °C	29	24	33	27	27	29	29	28	33	28	30	29

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Simple Bar graph showing Monthly temperature distribution in Ukunda



17. What are the Ways of making peace with oneself under different circumstances.

- Peer counselling and mentoring. This is by sharing an issue with a trusted friend.
- Having self-confidence that you can resolve the conflict.
- Being assertive to avoid negative peer influence.
- Seeking guidance and counselling from a counsellor, parent guardian or a teacher.
- Doing the right things even when no one is watching.

18. Which Situations require assertiveness in our lives.

19. Which Situations require assertiveness in our lives.

- When facing negative peer pressure.
- To protect ourselves from harassment or mistreatment.
- In cases of bullying.
- When faced with harmful cultural practices.

20. Which are the Situations that require creative thinking.

- a) Abusive relationships.
- b) Forced early marriages.
- c) Bribery and corruption.
- d) Career choices.
- e) Time management.
- f) Influence on drug and substance.

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