

MOCK SCIENCE YEAR 2019

MARKING SCHEME

- (1i) B. One complete turn clockwise (1mk)
C. Two complete turn anticlockwise (1mk)
- (ii) B- (1mk)
- (iii) Knowledge
- (b) (i) Which one of the following is a first class lever? (2mks)
- (ii) D
- (iii) Has validity
Has Reliability
- (2) (a) motivating the learners
- Easy to understand
 - Capture learners interest
- (b) – Identify the learners
- Brief the learners /give instructions
 - Gather materials
- (c) Discussion
- De-rolling the learners
 -
- (d) Learners are able to participate
- Its learner centred
- (e) – Abstinence
- Use of condoms
- (3)
- (b) Aluminum is a better good of conductor of electricity than copper.
- It is lighter than copper
- (c) Safety precautions
- Don't shelter under tress /tall buildings
 - Don't walk on the water pool/flood
 - Avoid walking on a flat area with a protective metallic device copper
- (4) Observe and identify weeds
- Draw and classify weeds
 - Discuss on type of weeds

(ii) Having two samples of seeds. Put one with all necessary condition.

Deny the other sample warmth by growing it at low temperatures. Make observation after sometimes and conclude.

- Food Carrots /kales
- Building Timber
- Papers Books

(5) (ii) B

(iii) Application

(b) Learners don't express themselves well

- Gives work
- Difficult to comprehend due to confusion of a

(c) Check understanding of the learners

- To sustain learners interest
- Develop confidence in the learners

(d) Should be reliable

- Items should be less than correspondence answers
- Should be clear and discriminative

(6) Topics /season

- Public holidays or any other holiday
- Materials
- Time available for each topic
- The order of topics
- Subject matter or content
- Objectives
- Interests

(b) Observation

- Written work
- Project work
- Practical work

(c) Tabulation

- Modeling
- Use of a graph /bar chart /histogram
- Documentation
- Taking pictures
- Mounting

SECTION B

(7) (a) On the graph paper

- 11 points – (1mk)
- Smooth Curve – (1mk)

- Scale – (1mk)
- Values on X& U (1mk)

(b) Increase (1mk)

(c) Old age

- Death
- Lack of adequate food
- Diseases
- Pouching

(8)

(b) Strong continuous constructions

- Opening of the cervix
- Breaking of water
- Baby present

(9)

When the humidity is high hair absorbs water and become long. This makes it the weight to pull down indicating high reading.

- Low humidity enable hair to shorten thus pulling the weight upwards and the pointer move up indicating low readings.

(10)

(11)

(12) A Spectra of different colours

(b) Ray of light is reflected as it enters in water /Air boundary in different colours by the water producing spectrum of colours on the screen.

(13) To equalize internal and external atmosphere pressure hence the air pressure inside assist the movement of water from the container.

(ii) Alcohol mixes with both ionic and in organic hybrid due to its property hence enable all the three liquids to mix.

(14) They are non- biodegradable
(b) Recycling

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