

HOME SCIENCE MOCK MARKING SCHEME

1. Methods of preserving beans
 - Sun drying.
 - Adding ash chemicals.
 - Canning.
 - Freezing.

(any 2x ½ = 1 mark)
2. Functions of fats and oils in the body.
 - Protect vital organs in the body/forms adipose tissue.
 - Act as insulation for the body.
 - Provide fat soluble vitamins.
 - Provide energy.

(any 2x1=2 marks)
3. Signs and symptoms of thiamine deficiency
 - Restlessness and irritability.
 - Vomiting.
 - Swollen legs.
 - Loss of appetite.
 - Aching muscles.
 - Heart failure in serious cases.

(any 4 x ½ = 2 marks)
4. Functions of fibre in diet
 - Aids in digestion.
 - Prevents constipation.
 - Binds excess minerals to avoid toxicity.
 - Aids in excretion/removal of waste from the body.
 - Satiety.

(any 2x1=2 marks)
5. Hygiene measures when preparing a fruit salad.
 - i) Wash hands before preparation.
 - ii) Wash fruits before use.
 - iii) Use clean equipment.
 - iv) Cover after preparation.
 - v) Use clean water.

(any 4x ½ = 2 marks)
6. Benefits of breastfeeding to a mother
 - i) Helps regain shape/contraction of uterus.
 - ii) In family planning.
 - iii) In bonding with the baby.
 - iv) Ease discomfort of full breasts.
 - v) Prevents breast enlargement.

(any 2x1=2 marks)
7. Ways in which a teacher can support a child infected by HIV and AIDS.
 - i) Offering guidance and counselling to deal with stigma/emotional support.
 - ii) Appropriate referral (hospital).
 - iii) Ensuring the child takes medication.
 - iv) Offering remedial assistance (academic).
 - v) Nutrition – balance diet.
 - vi) Join support group.
8. Methods of transmission of communicable diseases.
 - i) Through contact/sharing personal items.
 - ii) Insect vectors.

- iii) Air
- iv) Water.

(any 4 x ½ = 2 marks)

9. Reasons for encouraging play in children

- i) Physical development.
- ii) Social development.
- iii) Mental development.
- iv) Manipulative skills.
- v) Creativity.
- vi) Responsibility.
- vii) Enjoyment.

(any 4 x ½ = 2 marks)

10. Purpose of identifying blood group during antenatal check-up. (1 mark)

- i) In case the mother needs blood transfusion.
- ii) To determine the Rhesus factor compatibility.

11. Ways of avoiding spread of poison after a snake bite. (2 marks)

- i. Wiping the injured part.
- ii. Tying above the bite.
- iii. Taking the casualty to the hospital.
- iv. Making cuts around the bite and squeezing out as much blood as possible.
- v. Making the casualty lie down with the injured part lower most.
- vi. Calming down/assuring the casualty.
- vii. Avoid unnecessary movement.

12. Effects of smoking by an expectant mother on a new born baby. (1 mark)

- i. Low birth weight.
- ii. Pre-mature birth.
- iii. Foetal injury/deformity.
- iv. Mental retardation.
- v. Infant death.
- vi. Still birth
- vii. Head effects.
- viii. Slow growth.

13. Differentiate between prescription drugs and over the counter drugs. (2 marks)

Prescription drugs are those that are sold with a written recommendation by the health care professional while over-the-counter drugs are sold directly to the consumer without a written recommendation from a health care professional.

14. Describe a work triangle. (2 marks)

A working triangle is the arrangement of the three work centre (food storage area, washing up area, cooking area) in a kitchen allowing the worker to move from one centre to another without retracing the steps.

15. Advantages of using gas a fuel in the home. (2 marks)

- i. Clean to use.
- ii. Portable.

- iii. Quick to light.
- iv. Easy to use.
- v. Easy to regulate the flame.
- vi. Versatile.
- vii. Fast to use/saves time.

16. Differences between adjacent and cross ventilation. (2 marks)

In adjacent ventilation the ventilating devices are next to each other while in cross ventilation they are directly opposite each other.

17. Characteristics of aluminium that may make it unsuitable for making saucepans. (2 marks)

- i. Warps when subjected to sudden changes in temperature.
- ii. Dents easily when subjected to pressure.
- iii. Is stained easily by alkalis.

18. Advantages of using synthetic fibres for making a sweeping broom. (2 marks)

- i. Are strong.
- ii. Are resilient.
- iii. Do not absorb moisture, dry quickly.
- iv. Are easy to clean.

19. Reasons for finishing wooden surfaces in the home. (3 marks)

- i. Improve appearance.
- ii. Make the surface easy to clean/smooth.
- iii. Make the surface strong.
- iv. Prevent staining.
- v. Prevent them from insect attack.

20. Uses of salt in laundry work. (2 marks)

- i. Disinfecting.
- ii. Fixing loose colours.
- iii. Dissolving mucous.
- iv. Removing blood stains.

21. Precautions to take when using a charcoal iron. (2 marks)

- i. Clean the sole plate before use.
- ii. Avoid dropping.
- iii. Avoid immersing in water.
- iv. Ensure the charcoal is red hot before use.
- v. Close the iron well before use.
- vi. Use a moist piece of cloth/newspaper to regulate the temperature.
- vii. Place on a stand to avoid burning the cover.

22. The following processes are used when laundering a white cotton apron:- steeping, starching, stain removal, rinsing. Arrange them in the correct order. (2 marks)

- i. Stain removal
- ii. Steeping
- iii. Rinsing
- iv. Starching

23. Functions of pinking shears in garment construction. (1 mark)

- i. For neatening raw edges in heavy fabrics.
- ii. To give a decorative finish of a non-fraying fabric.

24. Properties that make polyester popular for making school uniforms. (2 marks)

- i. Available in many colours.
- ii. Easy to wash.
- iii. Light in weight.
- iv. Crease resistant.
- v. Resistant to abrasion.
- vi. Dries quickly.
- vii. Strong.
- viii. Shrink resistant.
- ix. Permanently pleated/thermoplastic

25. Qualities of well-made gathers. (3 marks)

- i. Worked along the weft threads.
- ii. Made using uniform stitches.
- iii. Evenly distributed.
- iv. Have no pleat seen between gathers.

26. Definition of terms as used in needlework.

- i. Neatening: Finishing/completing the raw edges of fabrics to avoid fraying. (1 mark)
- ii. Trimming: Cutting off excess fabric/hanging thread from a raw edge.

Decorative finishing of an edge (1 mark)

27. Procedure of preparing a wide plain hem before permanent stitching. (3 marks)

- i. Mark the hem line.
- ii. Fold along the hemline towards WS.
- iii. Fold in a narrow turn at the edge towards WS.
- iv. Pin.
- v. Tack.
- vi. Press.

28. Points to consider when fixing a fastener onto a garment. (3 marks)

- i. Suit the type of opening.
- ii. Be of correct size for opening.
- iii. Be of correct weight for the fabric.

- iv. Be well spaced.
- v. Be sewn on double fabric.
- vi. Be applied after completing the opening.
- vii. Strongly fixed.
- viii. Be correctly aligned.

29. Reasons why a machine fell seam is suitable for a child’s garment. (2 marks)

- i. Strong.
- ii. Flat.
- iii. Comfortable to the wearer.
- iv. Decorative.

30. Uses of asbestos fibre in the home. (2 marks)

- i. Making kitchen curtains.
- ii. Making clothing for fire-fighters/fire blanket.
- iii. Insulating electrical appliances.
- iv. Making iron stands on an ironing board.
- v. Making hear resistant pads for hot pots in the kitchen.
- vi. Making roofs

SECTION B – METHODOLOGY (40 marks)

Answer **ALL** questions from this section in the spaces provided.

31. You intend to teach the topic “care of the sick at home”

- (a) Outline **three** sub-topics you would cover in this topic. (3 marks)
- (b) Give **four** ways of motivating the learners while teaching this topic. (4 marks)
- (c) State **five** precautions you would emphasize to learners on avoiding infections as they care for the sick. (4 marks)
- (d) Highlight **four** points you would give the learners on meeting unintentional needs of the sick. (5 marks)
- (e) State **two** ways of evaluating this topic (2 marks)
- ii. Identify **two** roles that the teacher will play in the discussion. (2 marks)

32. You are planning to teach practical lesson on cleaning a plain cemented floor.

- (a) Give **two** ways of introducing this lesson. (2 marks)
- (b) State **four** ways you would guide learners on how to conserve time and energy when cleaning plain cemented floor. (4 marks)
- (c) Identify **four** equipment that can be improvised during the practical and give an example of the improvisation done in each case. (4 marks)

Cleaning equipment	Improved equipment
i.	i.

ii.	ii.
iii.	iii.
iv.	iv.

(d) Mention **two** reasons for giving an assignment at the end of this lesson. (2 marks)

33. You are planning to give a demonstration lesson on making of a stitch sampler.

(a) State **four** ways in which you would prepare for this lesson to make it effective. (4 marks)

(b) Give **three** reasons why medium weight cotton is suitable for making the stitch sampler.
(3 marks)

(c) List **four** skills that learners will acquire when making the stitch sampler. (2 marks)

(d) Give **two** ways of evaluating this topic. (1 mark)