



EXAMINATIONS COUNCIL OF ESWATINI
Junior Certificate Examination

CANDIDATE
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CONSUMER SCIENCE

540/02

Paper 2

October/November 2021

Candidates answer on the Question paper.
No additional Materials are required.

2 hours

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on the spaces provided.

Write in **blue** or **black** pen.

You may use an HB pencil for any diagrams.

Do not use staples, paper clips, highlighters, glue or correction fluid.

Do **not** open this Question Paper until you are told to do so.

This Question Paper contains **TWO SECTIONS**, A and B.

Answer **two** Questions from each section.

SECTION A - NUTRITION, FOOD PREPARATION AND HOME MANAGEMENT

SECTION B - CLOTHING & TEXTILES AND LAUNDRY

For Examiners Use	
SECTION A	
SECTION B	
TOTAL MARKS	

This document consists of **14** printed pages and **2** blank pages.

SECTION A

This Section consists of Nutrition, Food Preparation and Home Management.

There are **three** Questions in this section. Answer only **two** Questions.

QUESTION 1

(a) Define the following nutritional terms:

(i) Constipation

.....
..... [1]

(ii) Sedentary worker

.....
..... [1]

(b) Name the nutrient responsible for each of the functions below:

(i) Gives a satiety feel

.....

(ii) Prevents Beri - Beri

.....

(iii) Makes blood

..... [3]

(c) Explain **two** uses of a food pyramid in meal planning.

.....
.....
.....
..... [4]

(d) Discuss how steam is used as a raising agent.

.....
.....
..... [2]

(e) Differentiate between boiling and stewing. Give **two** points for each.

.....
.....
.....
..... [4]

(f) Describe the procedure for testing a fruit for pectin content.

.....
.....
.....
.....
..... [4]

(g) Give **two** reasons for controlling ants in the home.

(i).....
(ii)..... [2]

(h) Describe the procedure for cleaning a kitchen sink.

.....
.....
.....
.....
..... [4]

[Total marks: 25]

QUESTION 2

(a) Define these terms:

(i) Micro nutrients

.....
..... [1]

(ii) Elderly person

.....
..... [1]

(b) Classify the **two** sources of fats with an example for each class.

Class	Example
.....
.....

[4]

(c) Cereals are important foods in our daily diet.

(i) Mention the main nutrient found in cereal foods.

..... [1]

(ii) State **two** reasons why cereals need thorough cooking before they are eaten.

.....
.....
..... [2]

(d) State and explain **two** factors to consider when planning a meal for a manual worker.

.....
.....
.....
.....
..... [4]

(e) Why are the following done during creaming of a cake? Give **one** reason for each.

(i) Sift flour in a bowl.

.....
..... [1]

(ii) Beat an egg lightly and add it gradually to creamed fat and sugar.

.....
..... [1]

(f) Describe the differences between direct and indirect steaming, and give **one** example of a suitable food for each.

.....
.....
.....
.....
..... [4]

(g) State the suitable way of disposing each of the following types of refuse:

(i) Vegetable peels.

..... [1]

(ii) Plastic juice bottles.

..... [1]

(h) Mention **two** advantages of an electric stove.

(i).....

(ii)..... [2]

(i) Explain the care of a glass casserole dish using the following headings:

(i) Handle glass carefully.

.....
..... [1]

(ii) Wrap casserole dish with tissue paper.

.....
..... [1]

[Total marks: 25]

QUESTION 3

(a) Water is very important to life and must be taken with food on a daily basis.

(i) Give **one** food source of water besides beverages.

.....
..... [1]

(ii) Apart from being vital to life, what are the other **two** functions of water in the body?

.....
.....
.....
..... [2]

(b) Explain, in two points, the nutritional requirement for teenagers.

.....
.....
.....
.....
..... [4]

(c) Differentiate between fat - soluble and water - soluble vitamins.

.....
.....
.....
..... [4]

(d) State **two** uses of cheese in food preparation.

(i)
(ii) [2]

(e) Describe the procedure for measuring a level cup of flour.

.....
.....
.....
..... [2]

(f) Explain proper storage of the following food items:

(i) Milk

.....
.....

(ii) Oranges

.....
..... [4]

(g) Windows are important features in a home and need proper care.

(i) Name **two** agents used to clean a window.

.....
..... [2]

(ii) What happens if a window is cleaned on a windy day?

.....
..... [2]

(h) Describe the importance of proper refuse disposal.

.....
.....
.....
..... [2]

[Total marks: 25]

SECTION B

This Section consists of Clothing & Textiles and Laundry.

There are **three** Questions in this section. Answer only **two** Questions.

QUESTION 4

(a) Define tailor's tacking.

.....
..... [2]

(b) Make comments on the following statements on points to consider when choosing seams:

(i) Type of fabric

.....
.....

(ii) Type of garment

.....
..... [2]

(c) State **two** points to consider when buying each of the following sewing equipment:

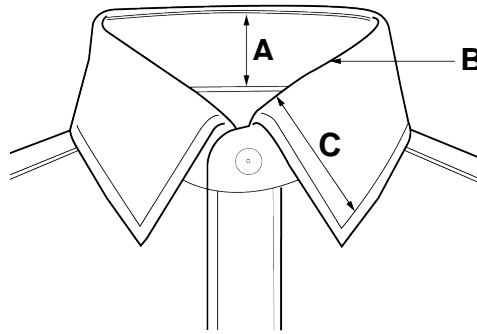
(i) An ironing board

.....
.....
..... [2]

(ii) Dress makers' shears

.....
.....
..... [2]

(d) Study the flat collar below and answer the questions that follow:



(i) Label the following parts of the collar labelled A – C.

A.....

B.....

C.....

[3]

(ii) Why is it important to apply interfacing on the collar? Give **two** reasons.

.....

.....

.....

.....

.....

[2]

(e) Give **one** point to consider when choosing laundry equipment for drying.

.....

.....

[1]

(f) State **three** reasons for ironing clothes.

.....

.....

.....

.....

[3]

(g) Outline the steps to follow when removing a candle wax stain.

.....

.....

.....

.....

.....

.....

[4]

(h) Explain, in **two** reasons, how to store clothes pegs made of wood.

*For
Examiner's
Use*

.....
.....
.....
.....
.....
..... [4]

[Total marks: 25]

QUESTION 5

(a) Give **two** suitable places where darts are sewn on a shirt.

.....
..... [2]

(b) What is the difference between an “inverted” and a “box” pleat?

.....
.....
..... [2]

(c) Name the natural fibre described by each of the processes below:

(i) Strong, durable and stronger when wet than dry.

.....

(ii) A poor conductor of heat and warm to wear.

..... [2]

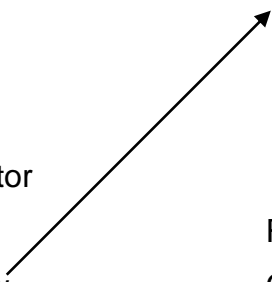
(d) Match the parts of a sewing machine in list **A** with their functions in list **B** by means of arrows. An example has been done for you.

List A

- (i)** Balance wheel
- (ii)** Tension disk
- (iii)** Presser foot
- (iv)** Stitch length regulator
- (v)** Feed dog
- (vi)** Needle clamp screw

List B

- Holds the needle firmly in position
- Holds fabric firmly in position whilst sewing
- Regulates the length of the stitches
- Pushes the fabric when sewing
- Regulates the tightness of the stitches
- Controls the movement of the machine



[5]

(e) State the use of each of the following hand stitches.

(i) satin stitch

..... [1]

(ii) running stitch

..... [1]

(iii) blanket stitch

..... [1]

(f) Which are the substances used to remove the following stains?

- (i) Ink
- (ii) Blood.....
- (iii) Grass
- (iv) Pain [4]

(g) Why are the following procedures important when removing stains?

- (i) Identify the cause of stain.
.....
- (ii) Remove stain before washing the garment.
..... [2]

(h) Give the importance of care labels on garments.

.....
.....
..... [2]

(i) Justify the reasons for the following when laundering woollen garments.

- (i) Empty pockets and shake woollen garment.
.....
- (ii) Darn any holes.
.....
- (iii) Measure the length and width of the garment.
..... [3]

[Total marks 25]

QUESTION 6

(a) Name **one** type of fastener suitable for a child's dress.

..... [1]

(b) Define the following terms used in Textiles.

(i) Warp

.....
.....

(ii) Weft

.....
.....

(iii) Selvedge

.....
..... [3]

(c) Give uses of the following sewing equipment:

(i) Tape measure

.....
..... [1]

(ii) Pins

.....
..... [1]

(iii) Thimble

.....
..... [1]

(d) State **two** qualities of a well-sewn dart.

.....
.....
..... [2]

(e) Differentiate between instruction sheet and a pattern adjustment line.

(i) instruction sheet

.....
.....

(ii) pattern adjustment line

.....
..... [2]

(f) Outline the steps to follow when making a plain seam.

.....
.....
.....
.....
..... [4]

(g) Give **one** reason for using a pressing cloth.

..... [1]

(h) State the reason for applying fabric softener in the last rinsing water.

..... [1]

(i) Justify why the following procedures are done when removing stains from garments:

(i) Remove stains immediately.

.....

(ii) Use stain removal agents with care.

.....

(iii) Rinse garment thoroughly after treatment.

.....

(iv) Remove stains before washing the garment.

..... [4]

(j) Explain the procedure for softening temporary hard water in a home.

.....
.....
.....
.....
..... [4]

[Total marks 25]

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