

(O 35, A.T.)

UNIVERSITIES OF MANCHESTER LIVERPOOL
LEEDS SHEFFIELD AND BIRMINGHAM

JOINT MATRICULATION BOARD

GENERAL CERTIFICATE OF EDUCATION

TWO AND A HALF HOURS

Answer SIX questions only, of which TWO must be from Section I and FOUR from EITHER Section II OR Section III.

Section I. Housecraft and Elementary Science.

Answer TWO questions only.

1. Compare the advantages and disadvantages of any **two** types of heating with which you are familiar in cooking. Using diagrams show how you would take the reading of **either** a gas meter **or** an electric meter.

2. How would you remove the following : (a) mildew stains from a teatowel, (b) a greasespot from a woollen dress, (c) teastains from a white tablecloth, (d) inkstains from a white cotton blouse ?

Give the action of **one** stain remover in detail.

3. In what ways can one dispose of household refuse ? Give instructions for the proper care of the dustbin.

4. Make a fully labelled diagram of a tooth. How do you keep your teeth in good condition ? What would be the results of neglect ?

EITHER*Section II. Cookery and Dietetics.***Answer FOUR questions only.**

5. A girl of sixteen has to carry her lunch to school. What considerations would influence you in making up these packed lunches? Illustrate your answer by giving in detail the lunches you would provide for **three** consecutive days.

6. Give the proportions and methods of making milk puddings. What is the effect of moist heat upon starch?

7. What stores would you advise a young housewife to buy to stock her dry-store cupboard? Give reasons for your choice.

What advice would you give her on storing dry food?

8. State the principles underlying the re-heating of foods. Give the recipe and method of making **two** dishes, using cold meat for one of the dishes and cold cooked fish for the other.

9. Why is milk necessary in the diet? How much milk should a child of fourteen drink every day? Describe any ways in which you would ensure that a child who will not drink milk gets the requisite amount.

10. Compare in detail the recipe and method of making short crust pastry with **either** rough puff **or** flaky pastry. For what types of dishes would you use (a) short crust and (b) rough puff or flaky pastry?

11. What chemical tests would you carry out to test for the following: (a) starch in potatoes, (b) protein in egg, (c) fat in cake?

OR**Section III. Needlework.**

Any squared paper or tracing paper you use should be attached to your answer book.

Answer FOUR questions only.

12. What factors guide your choice of seam in needlework? Show how you would make (a) a seam on grey worsted shorts, (b) a seam joining a brassiere top to the skirt of a petticoat.

13. With the aid of diagrams show how you would repair two of the following, using hand or machine sewing in either case : (a) the worn part in the front of a man's shirt just under the neckband, (b) a hole in the underarm of a blouse sleeve and bodice made from blue poplin, (c) a hole burnt by a cigarette in a damask tablecloth.

In each case give reasons for the method you use.

14. Pleats are a popular method of giving fullness and decoration to skirts. What types of pleat do you know?

Suggest suitable pleats for the skirt of a tailored frock made from fine woollen material. Give detailed instructions for preparing and making the pleats and for attaching the skirt to the bodice.

15. Using the $\frac{1}{4}$ scale bodice and sleeve blocks provided make a pattern for a $\frac{3}{4}$ length smock opening down the front, with long sleeves. Draft the pattern of a bishop sleeve for the smock to be worn as an overall.

What type of material would you use and how much would you require? Give the cost.

State the type of fullness used and indicate its position on the garment.

16. What type and quantity of material would you buy for a petticoat with a brassiere top to be worn with a white organdie blouse?

Sketch the "lay out" of the pattern and show how to decorate the petticoat with some form of embroidery.

[Turn over.]

17. A friend has a four-gored dirndl skirt made from candy-striped cotton material. Suggest **two** methods of lengthening the skirt which is 2 in. short, further matching material being available for one method. Explain how to carry out **one** method in detail.

18. Broderie anglaise is a very fashionable trimming. Give instructions (a) how to trim the front of an organdie blouse with $\frac{3}{4}$ in. wide broderie anglaise insertion, (b) how to use the broderie anglaise to finish the bottom of short sleeves on a pale pink linen frock.