SECONDARY SCHOOL ANNUAL EXAMINATIONS 2004

Educational Assessment Unit – Education Division

FO	RMS 1 & 2	DESIGN AND TECHNOLOGY	TIME: 1h 30min
Naı	me:		Class:
Ans	swer all questions fron	n section A, and any other 3 questions from sec	ction B
Sec	tion A:	DESIGN PROCESS	
1.	 A toy for a six y A package for a A night lamp for a six y Give three design recommended from the above list. Name of realisation c (i)	t of Design and Technology realisations. year old child. snack to be sold in a school canteen. or a child's room. quirements you would include in a specification f hosen:	
2.	(i) (ii)	hy the making of a model helps to develop better	

(10 marks)

Idea 1.			Idea 2.	
				(10 r
Give <u>three</u> reasons	why an evaluation	on is made at th	ne end of a realisation	on.
i)	s why an evaluation		ne end of a realisation	on.
i) ii)			ne end of a realisation	on.
ii)				on.

Section B (cont):

ELECTRONICS

(ii)		en working with electricity.	be followed when	rules that must b	State <u>two</u> safety	(a)
(i) (ii) (iv) (c) Why are conductors used in electrical projects? (d) Draw a circuit diagram to show how you would connect a bulb, a switch and a form a complete circuit.						(i)(ii)
(i) (ii) (iv)			luctors	rials that are cond	State four mate	(b)
(d) Draw a circuit diagram to show how you would connect a bulb, a switch and a form a complete circuit.						(0)
(d) Draw a circuit diagram to show how you would connect a bulb, a switch and a form a complete circuit.			(iv) _		(iii)	
form a complete circuit.			trical projects?	ctors used in elect	Why are condu	(c)
	a battery	connect a bulb, a switch an	now you would co			(d)
					1	
						Г
() D 110 110						
(a) Draw the symbol for a resistor.	(20 ma					
	(20 ma			ol for a resistor.	Draw the symb	(a)
	(20 ma			ol for a resistor.	Draw the symb	(a)

What unit is used to measure the value of a resistor? (20) What does the abbreviation LED stand for? What are the two legs of an LED called? (ii)
(20) What does the abbreviation LED stand for? What are the two legs of an LED called? (ii)
What does the abbreviation LED stand for? What are the two legs of an LED called? (ii)
What are the two legs of an LED called? (ii) What other electronic component must be connected to an LED to prevent it from
(ii)
What other electronic component must be connected to an LED to prevent it from
Praw a circuit diagram to show how these components should be connected togethe LED lights up.

1. (a) Give the <u>name</u> of the kitchen equipment shown in the following pictures.







(b) State the use of the following kitchen equipment.

Colander

Sieve

Fish slice

Corer

(c) State **two** safety precautions that must be observed when using knives.

(i)

(ii) _____

(d) Bringing out hot dishes from an oven can be dangerous. What would you use to prevent burning your hands?

(20 marks)

	ANIMAL	PLANT		
(b) Which foo	ods from the list	given below are	considered most healthy?	
	ods from the list correct answers		considered most healthy? Soft drinks	
Mark the o		with a ✓.	, 	
Mark the o		with a ✓. Apples	Soft drinks	

Collect all tools and ingredients.

Put cut fruits in salad bowl.

					(20 m
	1 2//2		0 1		
What is meant	oy "Second	ary Processing"?			
			d" foods.		
	What is meant l	What is meant by "Primary Give two examples of "Pri (i)	What is meant by "Primary Processing"? Give two examples of "Primary Processed"	What is meant by "Primary Processing"? Give two examples of "Primary Processed" foods. (i) (ii)	Give two examples of "Primary Processed" foods. (i) (ii)

(d) Place each of the following under the correct heading of this block diagram.