



## STUDENT SECTION

Name				Class	
Student MOE number (SIS)		School MOE Number		STUDENT SIGNATURE	
School name					

**PLEASE NOTE – This SAMPLE paper is to guide students on question types ONLY, not the content for the final assessed examination. Please refer to the coverage documents & revision notes.**

## Creative Design & Innovation

10 General

Sample - Term 1

Date: November 2017

Time: TBC

Duration: 35 minutes

### STUDENT INSTRUCTIONS –

Students must attempt **all** questions.

For this examination, you must have:

1. An ink pen – blue.
2. A pencil.
3. A ruler.

### TEACHER NOTES & INSTRUCTIONS

Please tick ✓ the correct answers in **RED INK** and then write the mark awarded in the marking columns. With multiple mark answers highlight where the mark is awarded by **underlining** or by using an extra tick.

## FOR ADMIN ONLY

### MARKING RECORD

Section	Section TOTALS
Section 1	
Section 2	
Section 3	
MARKER SIGNATURE	TOTAL MARKS
MODERATOR SIGNATURE	

## SECTION 1 – Multiple choice

Choose and circle the correct answer – A, B, C or D.

(1 mark each)

*Example: To find and analyze information.*

- A. sketch
- B. evaluate
- C. research
- D. organize

1. A description of measurable units such as length, width or height -
  - A. tangent
  - B. perpendicular
  - C. parameter
  - D. dimension
2. A term related to the shape, size, position of figures and the properties of space -
  - A. sketches
  - B. dimensions
  - C. tangents
  - D. geometry
3. A solid geometric figure with parallel sides and a circular or oval shape.
  - A. cylinder
  - B. cone
  - C. pyramid
  - D. shell
4. An option to represent or depict artistically by adding colour and shading -
  - A. extrude
  - B. render
  - C. tangent
  - D. fillet

5. A hard, protective outer case of an object or material-

- A. symmetry
- B. subtract
- C. shell
- D. system

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## SECTION 2 – True or False

Choose and circle the correct answer TRUE or FALSE.

(1 mark each)

**Example:**

- In 3D design Rendering is the process of adding colour, shading & texture to give a realistic photo.

TRUE

FALSE

1. Glossy means a shiny and smooth surface.

TRUE

FALSE

2. The repetition of a process is known as iteration.

TRUE

FALSE

3. A vanishing point is a point of appearance.

TRUE

FALSE

4. Translucent means that the object reflects light.

TRUE

FALSE

5. Orthographic is a form of 3D drawing.

TRUE

FALSE

/ 5

## SECTION 3 – Core content

1a – List **three** electronic components used in a basic electrical **light** circuit.

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**(3 marks)**

1b – Draw the electronic symbol for a light bulb or load.

**(2 marks)**

/ 5

2a – Describe what ‘analogue’ means.

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(2 marks)

2b – State whether the devices and products below are ‘analogue’ or ‘digital’.

Choose and circle the correct answer either analogue or digital.

- A DVD Player is a(n) analogue / digital device.
- A computer router is a(n) analogue / digital device.
- A speaker is a(n) analogue / digital device.

(3 marks)

/ 5
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3a – Label each part of the drawing shown below.

(6 marks)

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A	
B	
C	

3b – What type of drawing is shown in the drawing in question 3a?

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(2 marks)

3c – Describe what Orthographic drawing is used for.

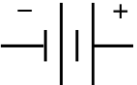


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(2 marks)

/ 10
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4a – Name the following electronic symbols used in schematic diagrams. (6 marks)

	A	
	B	
	C	




4b – List **two different** types of component with a similar function to symbol B?  
 \_\_\_\_\_ (2 marks)

4c - What is the unit name used to define electrical power?  
 \_\_\_\_\_ (2 marks)

/ 10
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5 – Match the words with their definition or image. (10 marks)

Write the matching letter in the correct box. The first one has been done for you.

COMPONENT	Symbol letter	SYMBOL / COMPONENT	
1. Save	F		A
2. Interference Edges on		Create organic shapes by manipulating faces, edges, and vertices.	B
3. Sculpt		Set up the environment and create photo – realistic renderings. Add color, shade, textures or materials to give a realistic photo	C
4. First Angle Projection			D
5. Render		Generate 2D manufacturing drawings.	E
6. Drawing			F

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**You have now finished the examination.**

<b>TOTAL</b>
/ 50