



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 Advanced

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 limit or boundary which defines the scope of a particular process or activity -
 - A. dimension
 - B. perpendicular
 - C. parameter
 - D. tangent

2. Figures made of mirrored parts facing each other or around an axis are known as -
 - A. symmetrical
 - B. equality
 - C. tangential
 - D. opaque

3. A hard, protective outer case of an object or material -
 - A. subtract
 - B. shell
 - C. system
 - D. symmetry

4. A straight line that can be extended which touches a curve at a point, but does not cross it at that point -
 - A. primitive
 - B. tangent
 - C. plane
 - D. cylinder



5. A straight line at an angle of 90 degrees to a given line, plane or surface -
- A. sketch
 - B. geometry
 - C. tangent
 - D. perpendicular

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SECTION 2 – True or False

Choose and circle the correct answer TRUE or FALSE. (1 mark each)

Example:

- Rendering an image give it colour & texture. TRUE FALSE

1. GPU stands for Graphics Processing Unit. TRUE FALSE
2. A decal is an image that can be added to a surface. TRUE FALSE
3. A vanishing point is a point of disappearance. TRUE FALSE
4. Translucent means that the object reflects light. TRUE FALSE
5. Perspective is a not a form of 3D drawing. TRUE FALSE

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SECTION 3 – Core content

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

(3 marks)

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

(2 marks)

/ 5

2a – Describe what 'digital' means.

_____ (2 marks)

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

Choose and circle the correct answer either analogue or digital.

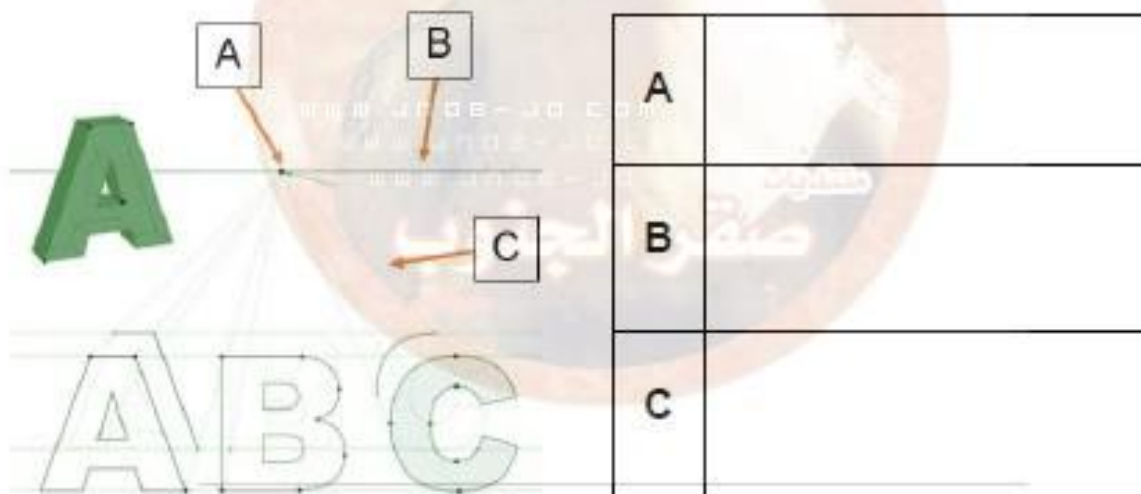
- A MP3 Player is a(n) analogue / digital device.
- A Microphone is a(n) analogue / digital device.
- A computer chip is a(n) analogue / digital device.

(3 marks)

/ 5

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

(6 marks)



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

_____ (2 marks)

3c – Describe what Orthographic drawing is used for.

_____ (2 marks)

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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 for symbol A?
 _____ (2 marks)

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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.

TOTAL
/ 50



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