

Design & Technology

Practical Summative Assessment

Term 1 (2019 – 2020)

Grade 8- General



STUDENT NAME:

STUDENT NUMBER:

CLASS:

STUDENT MARKS	
Task 2 (Theory)	
Task 1 (Practical)	/ 20
/ 30	1 50
Practical Summative Assessment Total	
1.23	

SCENARIO

*We have high hopes for entrepreneurs. Our faith in their creative and innovative ideas is immeasurable. They are the foundation of a leading vibrant society in business, economics, culture and all other fields." Sheikh Mohammed bin Rashid Al



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Entrepreneurship is the process of designing, launching and running a new business. U Entrepreneurating is an entrepreneurable and running a net leadership aims to support and promote entrepreneurable among Emiratis.

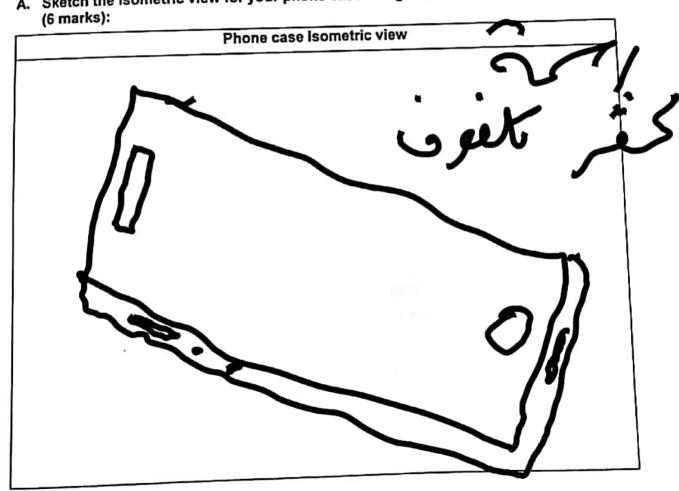
You have started your own small business which is making and selling unique and creative phone case designs.

Your first project is to make a personalised cover for yourself. It should have your name written on it. Use 3D modelling tool to create the new design.

Task 1 – Perform the following:

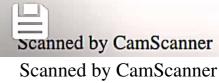
You are required to design a phone case. Your design should:

- Have these dimensions:
 - o Length: 145.6 mm o Width: 72.9 mm o Depth: 7.7 mm
- Have holes for the camera, charging port and volume buttons.
- Have your name on it to make the phone case personal.
- Be unique and creative.
- A. Sketch the isometric view for your phone case design showing the 3 dimensions (6 marks):



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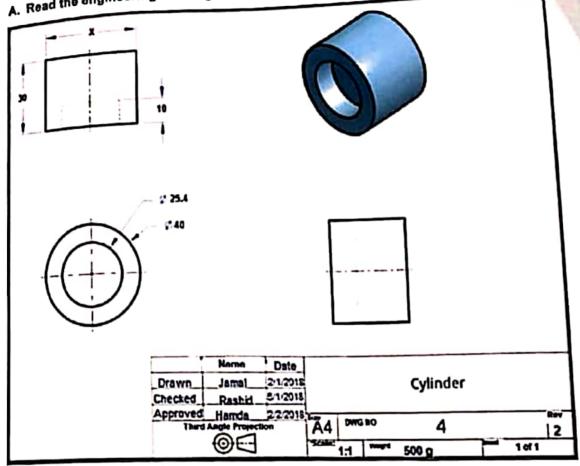


B. S	WNITED ARAB EMIRATES AMINISTRY OF EDUCATION ketch the front and the top views of your phone case design (** Phone case front view Phone case	
-2		0
		l l
C. C fo	reate the phone case design with the 3D modelling tool. You sellowing steps (14 marks): Steps Select plane.	will have to do the
	Steps	
1.	Steps Select plane. Draw a rectangle and change its length to 145.6 mm and its	
1.	Steps Select plane. Draw a rectangle and change its length to 145.6 mm and its width to 72.9 mm.	
1. 2. 3.	Steps Select plane. Draw a rectangle and change its length to 145.6 mm and its width to 72.9 mm. Created a depth of 7.7 mm.	



Task 2: Answer the following:

A. Read the engineering drawing and choose the correct answer (10 marks):



- 1. The scale used is _____
 - **₽**a) 1:1
 - b) 2:1
 - c) 1:2
- 2. The weight of the design is _____.
 - a) 450g
 - **b**) 500g
 - c) 4g
- 3. The drawn part is a ______.
 - a) rectangle
 - b) square
 - c) cylinder

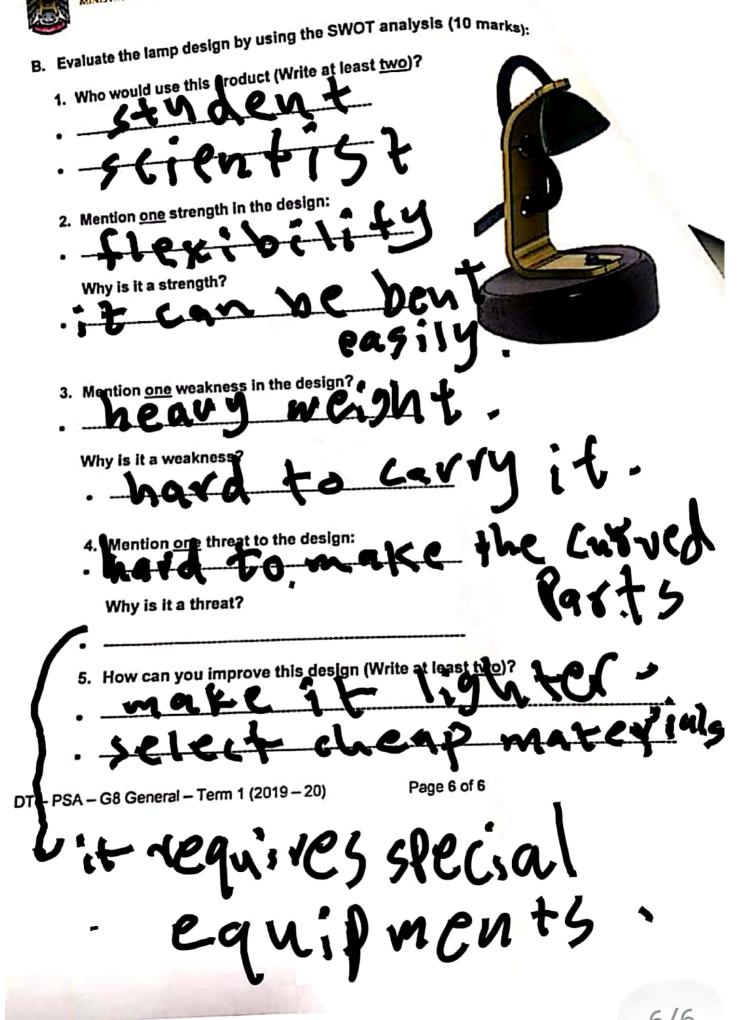
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B 0,

MINISTRY			
	the drawing is		
4 The value of	f_X on the drawing is		
a) 40			
b) 20			
c) 10			
01	hot?		
s What is the	drawing number?		
a) 1			
b) 4			
2) 2			
	The object d	rawn is	
6. Based on t	he drawing scale. The object d		
20 10 115	(IDE SIZE		
b) redu	ced in size		
c) enlar	ged in size		
	Land the deawir	na?	
7. What is the	e revision number of the drawir	•8•	
a) 4			
b) 2			
c) 1			*
8. What is the	e depth of the hole?		
a) 25.4			
b) 40			
c) 10			
9. The drawin	g was checked by	.	*
a) Ham	da		
b) Rash	nid		
c) Ahm	ad		
10. The size of	the paper used is		
a) A4		_	
b) A5			
c) A1			
•	annel Tom 4 (2010 20)	Done F of C	
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