## SHEET 1

## PENANG SANGAM HIGH SCHOOL YEAR 13 TECHNICAL DRAWIN

## WORKSHEET – 3

<u>QUE</u>	STION 1 Multiple Choice	DESIGN	(20 marks)
1.	The electrical symbol shown on the right is  A. mechanical winding.  B. electric motor.  C. generator.  D. machine.	Problem:  Domestic rubbish packed in garbage bags placed alongside the road is not hygienic. It becomes a hazard when the rubbish trucks do not turn up on time.	(20 mar no)
2.	The axial line of the telescope of an astronomical or geodetic instrument is known as  A. back sight.  B. collimation.	Brief:  Design a garbage stand for ease of collection and prevention from stray animals.	
3.	C. bench mark.  D. reduce level.  The method of surveying that has been carried out along the central line of a track of land on which a linear engineering work is to be constructed is called	Specification: The garbage stand should be:  1. safe from stray animals; 2. made from combination of materials; 3. be stable and safely fixed on the ground; 4. heavy a story or constitute story at least 5 graphs as heavy	
	<ul><li>A. Differential leveling.</li><li>B. In-direct leveling.</li><li>C. Vertical leveling.</li><li>D. Profile leveling.</li></ul>	<ul> <li>4. have a storage capacity to store at least 5 garbage bags.</li> <li>Requirements:</li> <li>(a) Produce two freehand pictorial sketches of the garbage stand.</li> <li>(b) Evaluate each sketch on the following criteria:</li> </ul>	(8 marks)
4.	Which of the following is not part of a business plan?  A. Obtaining funds  B. Validating an idea  C. Managing a business	<ul> <li>(i) materials</li> <li>(ii) functionality</li> <li>(c) Explain with the help of sketches how the garbage stand will be fixed to the ground.</li> </ul>	(4 marks) (3 marks)
	D. Legalising a business	(d) Draw a pencil-rendered or a colour-rendered pictorial sketch of the final solution.	(5 marks)

## SHEET 2

(a)	Possible Solutio	n l		(4 ma	ırks)	Possible	Solution 2		(4 marks)	(c)	)								(3 marks)
										1.	Overall neatness at	nd clarity of sketch	(es)	1		3	Evidence shown	1	
										2				1					
										(d)				•		<u> </u>			(5 marks)
										(u)	'								(o marks)
1	Pictorial Crate/Box used		3 Correct labels	1		1 Pictoria Crate/E	d l	3 Correct labels	1										
2	Correct line work		4 Correct proportion	1		2 Comed work	line 1	4 Correct proportion	1										
(р)	Criteria	Possible	Solution 1		(2	marks)	Possible Solution	n 2	(2 marks)										
Materials																			
	Functionality																		
	-																		
											Overall neatness and		<u> </u>	Correct rendering				Un a compat	T. I
										2	clarity of sketch Correct labels	1	3	Shown Correct	1		5 Correct	ine work	1
														proportion	-				