Universiti Malaysia PAHANG Engineering • Technology • Creativity **FACULTY OF INDUSTRIAL SCIENCES & TECHNOLOGY**	**SUBJECT: Biochemistry**			**MARKS**: /10
	CODE: BSB1113	**TOPIC:** Electron Transport Chain, photosynthesis, glycogen metabolism, gluconeogenesis and pentose phosphate pathways		
	ASSESSMENT: Quiz 3	**NO:** 3	**DUE/DURATION:** 30 min	
NAME:		**STUDENT ID:**	**SECTION:**	

Ideally any biochemical pathway can be identified to contain **ALL** of these basic requisites or fundamentals:

(i) starting material(s) or precursor(s)
(ii) end product(s) or final outcome(s),
(iii) specific locality of the pathway, and
(iv) classified as anabolic or catabolic.

For the pathways provided below state most appropriate answers of each parameter:

1. Photosynthesis

Parameters	Answers
1. starting material(s) or precursor(s)	
2. product(s) or final outcome(s)	
3. specific locality of the pathway	
4. anabolic or catabolic	

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2. Glycogenesis

Parameters	Answers
1. starting material(s) or precursor(s)	
2. product(s) or final outcome(s)	
3. specific locality of the pathway	
4. anabolic or catabolic	

3. Glycogenolisis

Parameters	Answers
1. starting material(s) or precursor(s)	
2. product(s) or final outcome(s)	
3. specific locality of the pathway	
4. anabolic or catabolic	

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4. Pentose phosphate pathway

Parameters	Answers
1. starting material(s) or precursor(s)	
2. product(s) or final outcome(s)	
3. specific locality of the pathway	
4. anabolic or catabolic	

5. Gluconeogenesis

Parameters	Answers
1. starting material(s) or precursor(s)	
2. product(s) or final outcome(s)	
3. specific locality of the pathway	
4. anabolic or catabolic	

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