## **REVISION CHAPTER 1 & 2, C**

## QUESTION 1

a)	Lis	st <b>TWO (2)</b> types of angle in mechanics of cutting. (2 marks)	
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	b)	Explain the function of gate, riser and pouring cup in casting process.	(3 marks)
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c)		List <b>TWO (2)</b> types of grinding wheel wear in grinding process.	(2 marks)
	۳/	A machanist pands to machine, 125mm long rad har from E5mm to E	Omm diameter
	d)	A mechanist needs to machine, 135mm long rod bar from 55mm to 5 Spindle speed rate at, N at 455rpm and federate, f at 0.45mm/rev. material removal rate (MRR) and cutting time, t.	

e)	Briefly explain the differences between up milling and down milling processes with an of diagram. (5 mark	
f)	Explain the term of <b>fluidity</b> and <b>THREE (3)</b> considerations in casting operations. marks)	(5 
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QU	ESTION 2	<u> </u>
a) <b>TH</b>	Sand casting is the most common and versatile form of casting. Explain in det REE (3) advantages and TWO (2) disadvantages of this casting process. (5 marks	
QU	ESTION 3	_
a)	Cut and wash is one of the molding defects in casting. With the aid of a diagram, sketch and briefly describe about this defect. Identify <b>ONE (1) cause</b> why this defect occurred and suggest <b>ONE (1)</b> way how to rectify it.  (5 mark	t