C 3	33183 (Pages 2)	Name.	
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SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2007			
Microbiology			
MB 2.1. T—MICROBIAL METABOLISM			
(2005 Admissions)			
Time	: Three Hours		Marines 00 M 1
111110			Maximum: 80 Marks
Part A			
	Answer any fifteen questions.		
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19.	Define Xenobiotic.		
20.	Comment on fungal toxins.		
	-		$(15 \times 2 = 30 \text{ marks})$
	Dout D		

Part B

Answer any **four** questions.

- 21. Factors affecting enzyme activity.
- 22. PHB synthesis.

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- 23. Biosynthesis of purines.
- 24. Electron transport chain.
- 25. Glycolysis.
- 26. Enzyme nomenclature.

 $(4 \times 5 = 20 \text{ marks})$

Part C

Answer any **three** questions.

- 27. Beta oxidation of fatty acids.
- 28. TCA cycle.
- 29. Peptidoglycan synthesis.
- 30. Mechanism of action of antibiotics.
- 31. Urea cycle.

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 $(3 \times 10 = 30 \text{ ma})$

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