2 H	B.Sc. (Sem - III) December - 2016 CC - 201: Microbiology	, J
me : 3 Ho	Charles and the second of	
structions :	questions carry equal marks	701
<u> </u>	(2) Draw figure wherever needed.	<u></u>
	er any two:	7
(a)	Describe briefly effect of pH & Temperature on growth of bacteria. Explain: Classification of bacteria.	14
(p)	Explain: Classification of bacteria on the basis of Oxygen requirement. Describe briefly relective and enriched.	
(c)	Describe briefly elective and enriched media.	
(d)	Explain: Facilitated diffusion with figure.	
Answ	ver any two:	
(a)	Describe briefly general properties of enzymes.	14
<i>(</i> 6)	Explain: Nomenclature of enzymes.	
(ç)	Explain: Factors affecting enzyme activity.	
(d)	Explain: Mechanism of enzyme action.	
	ain any two:	
(a)	What is growth? Discuss normal growth curve of bacteria.	14
(b)	Explain: Measurement of microbial growth on the basis of cell number	
(c)	Explain: Synchronous growth.	rs.
(d)	Describe mode of action of streptomycin.	
	•	14
7 1115	wer any two: Explain: Basic structure and function of DNA.	
(a)	Explain: Basic structure and runction of Bivit. Explain: Role of reducing power in metabolism.	
(b)	Describe briefly classification & use of lipid.	
(d)	Explain: Role of energy rich compounds in metabolism.	
	swer the following in one or two lines only:	14
(a)	What is the function of agar agar in a culture medium?	
(a) (b)	Give example of broad spectrum antibiotics.	
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- (c) What are Halophiles?
- (d) What are extra cellular enzymes?
- (e) Give two examples of co-enzymes.
- (f) What is generation time of E coli?
- (g) What is prosthetic group?
- (h) Who discovered Penicillin antibiotic?
- (i) Name the protein present in egg.
- (j) Give two examples of anaerobic bacteria.
- (k) What is anabolism?

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- (l) What is binary fission?
- (m) What is primary metabolism?
- (n) Give full form of NAD.



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