(BIC20112)

M.Sc. DEGREE EXAMINATION	, APRIL 2018.	5. De	escribe photochemical and horm ants.	onal control in
Second Semester			Or	
Biochemistry		6. (a)	Auxins	(7)
Paper I: PLANT BIOCHEM	MISTRYVWW.kvrssgro	up.c(b)	Cytokinins.	(7)
(Regulation - 201 <mark>2</mark>)		5	UNIT IV	
Time : Three hours Ma Answer FIVE questions choosing ON	ximum : 70 marks E from each unit.	7. De fur	scribe the nature, distribution, bi	osynthesis and (14)
UNIT I 1. Explain enzymatic and non enzy of antixidative defennce mechan Or 2. (a) meristematic cells (b) Cell wall. UNIT II	ism in plants. (14)	8. (a) (b) 9. Des	Or Heavy metals Radiation and their impact on UNIT V scribe the structure and mechanication of the structure and mechanication of the structure of the structur	(7)
3. Write an account on photophospl	horylation. (14) www.upiqpbar	10. (a)	Sulohate assimilation.	(7)
4. (a) Photosystem II (b) Chlorophylls.	(7) (7)	(b)	Hydrogen evolution and uptake	e. (7)
			2	(BIC20112)

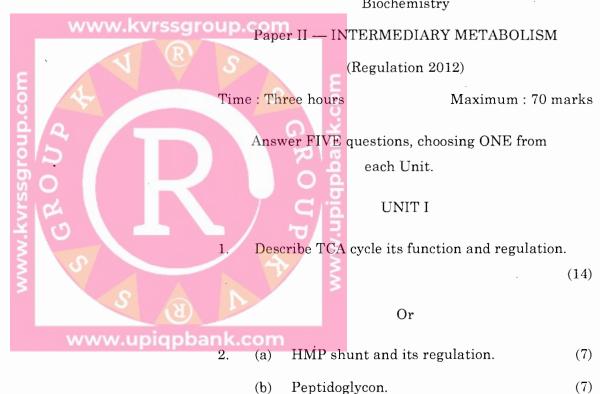
UNIT III

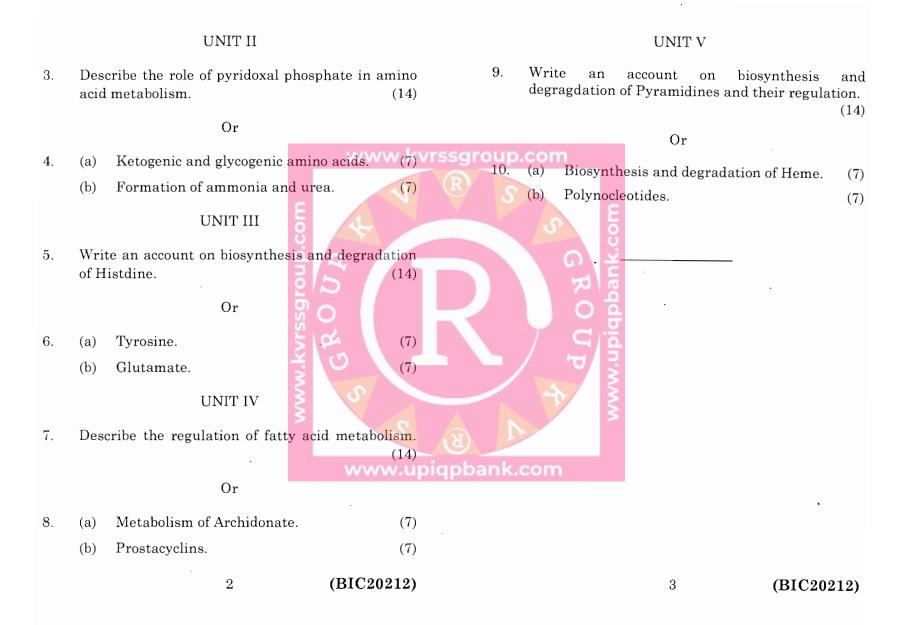
(BIC20212)

M.Sc. DEGREE EXAMINATION, APRIL 2018.

Second Semester

Biochemistry



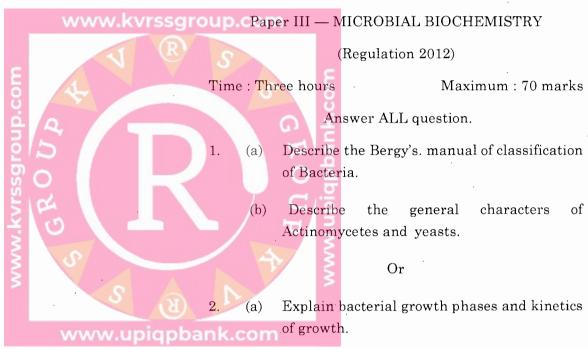


(BIC20312)

M.Sc. DEGREE EXAMINATION, APRIL 2018.

Second Semester

Biochemistry



(b) Describe the physical and chemical factors effecting growth of Bacteria.

Describe the Design of fermenters and their 8. Describe Air borne diseases such as 3. (a) Meningitis and Diphtheria. uses. Write an account on Tetanus and sepsis. Describe the fermentation production of Vitamin Riboflavin. 9. Describe the life cycles of Bacteriophages. (a) OrWrite an account on tomato yellow leaf curl viruses. Explain fermentation product recovery with 4. specific examples. Or(b) Describe the principle, and applications of 10. Explain lytic and lysogenic cycle in lambda Dark field microscopy. phase. 5. Write an account on the sterilization and Enumerate HIV. disinfection. (b) Describe the role of microorganisms in domestic sewage. Or 6. Describe the methods of nutrition in bacteria. Enumerate the food spoilage and its control. 7. Write an account on Pnemonia. www.upiqpbank.com Discuss about Gonorrhea. (b)

2

(BIC20412)			Enumerate Genetic code and its elucidation.	
M.Sc. DEGREE EXAMINATIO	N, APRIL 2018.		m Or	
Second Semester	c	6.	(a) Events of protein synthesis	(7)
Biochemistry			(b) Inhibitors of translation.	(7)
Paper IV — MOLECULAR	BIOLOGY/WW.kvi	rssgroup	o.com	
(Regulation 2012)		R 7.	Describe the Gene expression as influenced	by (4)
Time : Three hours M Answer ALL question	Jaximum : 70 marks		Or Or	. 1)
		8.	(a) trp operon in E.coli	(7)
1. Describe the mechanism of for complex.	mation of oriC open (14)		(b) Yeast gal genes.	(7)
Or 2. (a) Fidelity of DNA replication	N.Y. S. C.	9.	Describe molecular bases of mutations. (1	14)
(b) Histone dissociation	(7)		Or	
3. Describe upstream activating s role in regulation of transcription	equences and their on. (14)	ध igpbank	(b) Mechanism of mutagenesis.	(7) (7)
4. (a) Monicistronic m RNA	(7)			
(b) Transcription factors.	(7)			
			2 (BIC2041	2)