QP Code:	Reg. No.:
QI Code.	1\cup 9. 1\cup 1\c

First Year B.Sc Perfusion Technology Degree Examinations

(Model Question Paper)

Basic Anatomy (Including Histology)		
Time: 3hrs		Maximum marks: 8
Answer allDraw diag	questions rams wherever necessary	(2x10=20
1. Describe heart under the fo	llowing headings:	
 Coverings 	 Surfaces 	 Arterial supply
 Right atrium 	 Applied importance 	(2+2+2+3+1=10
2. Describe right lung under th	ne following headings:	
 Surfaces and borders 	• Hilum	 Microscopy
 Broncho pulmonary seg 	ments	(2+2+3+3=10
Short notes		(6x5=30)
3. Kidney		
4. Connective tissue cells		
5. Skin		
6. Spleen		
7. Prostate		
8. Uterus		
Answer briefly		(10x3=30)
9. Circle of Willis		
10. Deltoid		
11. Cornea		
12. Transitional epithelium		
13. Appendix		
14. Fertilization		
15. Gall bladder		
16. Haversian system		
17. Aorta		

18. Left and right coronary artery

QP Code: Reg. No	D.:			
First Year B.Sc Perfusion Technology Degree				
(Model Question Paper)				
Physiology				
Time: 3hrs	Maximum marks: 80			
 Answer all questions Draw diagrams wherever necessary Essay 	(2x10=20)			
Define coagulation of blood and name the coagulation factorism of blood coagulation	ctors. Explain the intrinsic (1+4+5=10)			
2. Define blood pressure and mention its normal values. What are to				
pressure. Add a note on regulation of stroke volume. Short notes	(2+3+5=10) (6x 5=30)			
3. Plasma proteins				
4. Heart sounds				
5. Rh factor				
6. Refractive errors				
7. Factors affecting glomerular filtration rate				
8. Action potential on a nerve and its ionic basis				
Answer briefly	(10x3=30)			
9. Surfactant				
10. Vital capacity				
11. Cretinism				
12. Triple response				
13. E.S.R				
14. Anticoagulants				

15. Tests of ovulation

17. Hemoglobin

16. Selection criteria of a blood doner

18. conducting system of heart

QP Code:	Reg. No.:		
First Year B.Sc Perfusion Technology Degree Examinations			
(Model Question Paper)			
Microbiology			
Time: 3hrs	Maximum marks: 80		
 Answer all questions Draw diagrams wherever necess Essay	ary (2x10=20)		
Define sterilization. List the different methods of involved in the functioning of autoclave and diagrams sterilized by autoclave			
2. Describe the clinical features, laboratory diagnos	sis, prophylaxis and treatment of tetanus (3+3+4=10)		
Short notes	(6x5=30)		
 Hospital acquired infections Bacterial growth curve Infective endocarditis Biomedical waste management Hydatid cyst Laboratory diagnosis of pulmonary tuberculosis 			
Answer briefly	(10x3=30)		
 9. Differential staining 10. Morphology of bacteria 11. Bacterial filers 12. Anaerobic culture methods 13. Hot air oven 14. Candidiasis 			
15 Enrichment media			

16. Immunization schedule

18. Antibiotic sensitivity testing

17. Antiseptics

QP Code: Re	g. No.:
-------------	---------

First Year B.Sc Perfusion Technology Degree Examinations

(Model Question Paper)

Pathology

Time: 3hrs Maximum marks: 80

- Answer all questions
- Draw diagrams wherever necessary

Essay (2x10=20)

- 1. Describe the microscopic examination of urine in detail
- 2. Explain the tissue processing for routine paraffin sections in detail

Short notes (6x5=30)

- 3. H & E staining
- 4. PCV
- 5. Normal haemostatic pathway
- 6. Stool examination
- 7. Classification of fixatives with examples
- 8. Mounting technique and various mountants used

Answer briefly (10x3=30)

- 9. Findings of CSF in TB meningitis.
- 10. Horning and stropping.
- 11. Sputum examination.
- 12. Prothrombin time
- 13. Biomedical waste
- 14. Differences between transudate and exudate
- 15. Normal constituents of blood.
- 16. Cross matching.
- 17. Different types of urine sample.
- 18. Specific gravity estimation of urine.

QP Code:	Reg. No.:		
First Year B.Sc Perfusion Technology Degree Examinations			
(Model Question Paper)			
Biochemistry			
Time: 3hrs	Maximum marks: 80		
 Answer all questions Draw diagrams wherever necessary Essay	(2x10=20)		
1. Explain the Henderson – Hasselbach equation. Describe the important body buffers.			
	(6+4=10)		
 Define normality. Explain the preparation of exactly 0. titration procedure Short notes 	1 N HCl solution by secondary (2+8=10) (6x5=30)		
 Ionization of water Anticoagulants Principle, parts and use of colorimeter Care and cleaning of glass wares Centrifuge 			
8. Estimation of serum electrolyte			
Answer briefly (10x3=30)			
9. Lipid profile			
10. Basal metabolic rate			
11. Pre analytical variables			
12. Pauli's exclusion principle			
13. Roth era's test			
14. Blood urea estimation			
15. Safety measures in the laboratory			
16. Metabolic acidosis			

17.pH meter

18. What is the normality of 12% NaOH solution