## BINDURA UNIVERSITY OF SCIENCE EDUCATION FACULTY OF SCIENCE AND ENGINEERING DEPARTMENT OF OPTOMETRY



[8marks]

[4marks]

[6marks]

## BACHELOR OF SCIENCE HONOURS DEGREE IN OPTOMETRY

OPT308: CLINICAL MEDICINE IN OPTOMETRY	
DURATION: 3 HOURS	TOTAL MARKS (100)

CANDIDATE NUMBER:			
INSTRUCTIONS  Write your registration number in the space provided above and submit both the answer booklet and the question paper at the end of the examination.			
As cells grow and regenerate, what mechanism does the body use to g continuously dying cells?	get rid of the [8marks]		
1.a And what kind of cells can't be replaced once dead?	[2marks]		
2. Why do mitochondrial diseases cause a myopathy?	[4marks]		
Why do successive generations of patients with some genetic disorders present earlier and with progressively worse symptoms?  [10marks]			
4. Why are antibiotics not allowed in the treatment of rotaviruses?	[4marks]		
5. How long does it take after vaccination to become immunized against therefore safe to work in infectious areas?	chickenpox and [4marks]		
6. a. Can Escherichia coli 0157 be spread by foods other than meats?	[2marks]		
b. Explain your answer	[4marks]		
7. What is the mechanism of iron absorption from iron polymaltose complex and carbonyl iron? [10marks]			
8. What are the causes of urinary incontinence in the elderly?	[8marks]		

Page 1 of 2

9. Explain why the left side of the heart is more prone to disease.

10. What is cardiac asthma?

a. And what problems might arise if a patient has a too high/low diastolic blood pressure? [2marks]

12. What oral antidiabetics are safe in pregnancy? [4marks]

13. How does diabetes mellitus cause atherosclerosis? [8marks]

14. Why is diabetic ketoacidosis more common in type 1 diabetes? [6marks]

15. How can one differentiate between papilledema and a tilted disc on fundus examination? [4marks]

[4marks]

**END OF PAPER** 

do they look like and which of them signifies atherosclerosis?