



ELIZADE UNIVERSITY

ILARA-MOKIN

ONDO STATE

FACULTY: Basic and Applied Sciences  
DEPARTMENT: Physical and Chemical Sciences  
SECOND SEMESTER BSc DEGREE EXAMINATIONS  
2017/2018 ACADEMIC SESSION

COURSE CODE: BCH 406

COURSE TITLE: TISSUE BIOCHEMISTRY

DURATION: 2 Hrs

HOD's SIGNATURE

TOTAL MARKS: 60 marks

Matriculation Number: \_\_\_\_\_

**INSTRUCTIONS:**

1. Write your matriculation number in the space provided above and also on the cover page of the exam booklet.
2. This question paper consists of 1 page with printing on both sides.
3. Answer all questions in the exam booklet provided.
4. More marks are awarded for problem solving method used to solving problems than for the final numerical answer.
5. Box your final answers. Marks will be deducted for untidy work.
6. At the end of this examination, place the question paper inside the exam booklet.
7. Attempt any (3) of four (4) questions

**Instruction: Answer three (3) Questions**

- (1) Write short notes on the biochemistry of any four (4) of the following biological entities;
- i. Thyroid and parathyroid gland..... 5 marks
  - ii. Gonads and pineal gland ..... 5 marks
  - iii. Circadian rhythm..... 5 marks
  - iv. Natural killer cells..... 5 marks
  - v. Acquired immunodeficiency syndrome..... 5 marks
- (2a) Describe the process of glomerular filtration in the kidney..... 14 marks
- (2b) List at least six (6) other functions of the kidney you are familiar with... 6 marks
- (3a) What are clotting factors?..... 5 marks
- (3b) Describe the process of blood coagulation in a mammalian system..... 15 marks
- (4a) Briefly describe the mechanism of action of hormones with cell surface receptors 10 marks
- (4b) Discuss the biochemical process involved in mammalian vision..... 10 marks