

Mid-West University  
**Examinations Management Office**  
Birendranagar, Surkhet  
**End Semester (Alternative/Physical) Examinations -2078**

Bachelor level/ B.Sc /6<sup>th</sup> Semester

Time: 3hrs

**Subject : Endocrinology and Biochemistry (ZOO463)**

Full Marks : 60

Pass Marks: 30

*Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.*

**Attempt all the questions**

**[6×10=60]**

1. Describe the structure of pituitary gland. List the hormones produced by pituitary gland and state their functions.
2. Define and classify polysaccharides. Describe different types of polysaccharides with their structural formula. Mention any two importance of it.
3. Give the structures, physiological functions and disorders of thyroid gland.

**OR**

Define bioenergetics and its types. Write an essay on the scope and importance of bioenergetics.

4. Give various parts of enzymes. Explain the mechanism of enzyme actions.
5. Describe the structure and function of cholesterol. Discuss different types of hexoses with their structure.

**OR**

Write short notes on fat soluble and water soluble vitamins. Point out the importance of different types of vitamins.

6. Discuss various steps of Krebs cycle. Also give the estimates of water, Carbon dioxide and formation of ATP.

**THE END**