

Bachelor of Pharmacy (B. Pharm) Second Semester Old  
**BP 203 - Pharmaceutical Biochemistry-II**

P. Pages : 1

Time : Three Hours



**GUG/W/18/1154**

Max. Marks : 80

- Notes :
1. Q. No. **1** is compulsory, solve **any four** from remaining.
  2. All questions carry equal marks.
  3. Diagrams and Chemical equation should be given wherever necessary.
  4. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Define gluconeogenesis and explain its cycle. **8**  
b) Explain in detail about glycogenolysis. **8**
2. a) Explain the biosynthesis of fatty acids with its significance. **8**  
b) Write in detail about metabolism of Sulphur containing amino acid. **8**
3. Explain in detail the biosynthesis of nucleic acids with focus on RNA & DNA. **16**
4. a) Explain in detail Adreno-Cortical hormones. **8**  
b) Describe in detail Gastro-Intestinal hormones. **8**
5. Write a note on:  
a) Ketone bodies. **8**  
b) Biosynthesis of cholesterol. **8**
6. a) Explain the uronic acid pathway with its abnormalities. **8**  
b) Explain the reactions involved in citric acid cycle with its significance. **8**
7. Explain in detail mechanism of protein biosynthesis. **16**

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