

GROUP - A

Use separate answer scripts for each Group / answer any five questions

1. Write notes on

4x5=20

- a) Classification of lipids based on backbone structure
- b) Structurally diverse fatty acids
- c) Glycolipids and sulpholipids
- d) Terpenoids and steroids

2. Represent structure and function of biological membranes

20

3. Represent transport mechanism of fatty acids from cytosol to matrix and beta-oxidation of fatty acids

10+10= 20

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BACHELOR OF PHARMACY EXAMINATION 2017

2nd year 2nd Semester

Applied Biochemistry-1

GROUP-B

4. What is the significance of TCA cycle? Describe the details pathway of TCA cycle. Write a short note on Pyruvate dehydrogenase complex. Name the journal published on TCA cycle 4+10+5+1=20
5. What is the significance of rapaport leubering cycle? Describe the details pathway of Glycolysis . How to regulate the Glycolysis? 5+10+5=20
6. Write a short on optical isomer and D/L configuration of Glucose. Write the metabolism of lactose and fructose. 5X4=20
7. Define HMP shunt. Why it is called shunt? Describe the details pathway of pentose phosphate pathway. What is significance of this pathway 3+2+10+5=20