



International Islamic University Chittagong

Department of Pharmacy

Program: B. Pharm (Hons)

Examination: Final
Course Code: Pharm-4705
Full Marks: 50

Session: Spring-2019
Course Title: Pharmacology-III
Time: 2 Hour and 30

Minutes

[N.B: Answers of separate groups must be written in separate script]

Group A

Answer any two questions

Marks: 20

1. a) What is depression? Mention its symptoms and treatment. 3
b) Make a clear sense on SSRIs. 4
c) Estimate the use of Bupropion in the treatment of major depression. 3
2. a) Appraise the pathophysiology of Type -I and Type-II diabetes. 4
b) How can diabetes be diagnosed? 2
c) Point out the mechanism of action, adverse effects, dose and brand name of Sitagliptin. 4
3. a) 'Diabetic patients are more susceptible to CVS diseases'- Justify. Mention the mechanism, therapeutic use and adverse effects of biguanides. 2+3
b) Write a short note on Insulin preparations. 3
c) How does physical exercise helps to control diabetes? 2

Group B

Answer any three questions

Marks: 30

4. a) Briefly describe the cellular pathway of malignancy. 4
b) Classify alkylating agents. 2
c) Compare and contrast between Vinca alkaloids and taxanes as antineoplastic agents. 4
5. a) Make a clear sense on HMG-CoA reductase inhibitors. 3
b) Expel your idea on regulation of plasma lipoproteins. 3
c) Evaluate the use of fibrates in the treatment of hypercholesterolemia. 4
6. a) Classify the anti-hyperlipidemic drugs along with their common side effects. 3
b) Write down the mechanism and therapeutic uses of atorvastatin. 4
c) Make a clear sense on bile acid sequestrants. 3
7. a) Mention the pharmacology of corticosteroid hormone. 3
b) Illustrate the use of oxytocin in uterine contraction. 3
c) Classify anthelmintic drugs. How does metronidazole act as antiamoebic drug? 4