

**SUPPLEMENTARY
DOCTOR OF PHARMACY
Fourth Year Pharm. D. :SUMMER- 2022
SUBJECT : CLINICAL PHARMACY**

Day : Saturday

Time : 02:00 PM-05:00 PM

Date : 17-09-2022

S-5745-2022

Max. Marks : 70

N.B.:

- 1) **Q. No. 1 and 5** are **COMPULSORY**. Out of the remaining solve any **TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1** A) Answer any **FOUR** questions out of **SIX**: **(08)**
- i) What is drug utilization evaluation?
 - ii) How will you differentiate side effects and adverse drug reactions?
 - iii) What are the components of medication history interview?
 - iv) Elaborate the following abbreviations –SHPA and SGOT.
 - v) What is the need for drug information services?
 - vi) Where should be the poison information centre be located?
- B) Explain the Pharmaceutical care concept? **(03)**
- Q.2** Explain with significance the general liver function tests. Describe the tests assessing hepatocellular injury. **(12)**
- Q.3** a) Enlist the risk factors for developing ADRs. **(07)**
- b) Discuss the similarities and differences between WHO and Naranjo's causality assessment scales used for adverse drug reactions. **(05)**
- Q.4** Write short notes on any **THREE** of the following: **(12)**
- a) Primary drug information resources.
 - b) Liver cirrhosis and its correlation with LFTs.
 - c) Pharmacist intervention.
 - d) Quality assurance of clinical pharmacy services.
 - e) Disseminating poison information query.

SECTION-II

- Q.5** A) Answer any **FOUR** questions out of **SIX**: **(08)**
- i) What are the components of complete blood count?
 - ii) Give the significance of Sr. Creatinine.
 - iii) What is the significance of (TSH) thyroid stimulating hormone?
 - iv) Define minimum inhibitory concentration. Give significance of same.
 - v) What are the indications for Pulmonary Function Tests?
 - vi) Give examples for physician mediated medication errors.
- B) Give the significance of ECG. **(03)**

P. T. O

- Q.6** Discuss various barriers of patient counseling. How to overcome the barriers. (12)
Explain the importance of counseling aids
- Q.7** a) Describe lung flow tests with suitable examples of diseases. (07)
b) Explain the role of pharmacist in managing medication errors. (05)
- Q.8** Write short notes on any **THREE** of the following: (12)
- a) Reporting and monitoring of ADR.
 - b) Hyponatremia and its management
 - c) RBC indices and their significance.
 - d) Renal function tests.
 - e) Hyperkalemia and its management.

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