

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. PHARM (SEMESTER-8) SUMMER-2015**

**Subject code: 280006**

**Date: 08/05/2015**

**Subject Name: Clinical Pharmacy II**

**Time: 10:30 am to 1:30 pm**

**Total Marks: 80**

**Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1**
- |     |  |           |
|-----|--|-----------|
| (a) | Write pathophysiology, risk factors, diagnosis, complications, and treatment of Diabetes mellitus. | <b>06</b> |
| (b) | Write the diagnosis and pharmacotherapeutic approach for Rheumatoid arthritis.                     | <b>05</b> |
| (c) | Match the following information in set-A with the most relevant information in set –B.             | <b>05</b> |
- | <b>Set –A</b>              | <b>Set –B</b>           |
|----------------------------|-------------------------|
| I Syphilis                 | A Ketoacidosis          |
| II Breast Cancer           | B Rationality           |
| III Diabetes mellitus      | C DOTS therapy          |
| IV Prescription monitoring | D Spirochetal infection |
| V Tuberculosis             | E BRCA genes mutations  |
- Q.2**
- |     |  |           |
|-----|--|-----------|
| (a) | Explain the role of clinical pharmacist in prescription monitoring.                | <b>06</b> |
| (b) | Explain pathophysiology and management of Peptic ulcer diseases.                   | <b>05</b> |
| (c) | Explain drug-drug interactions with four examples of pharmacokinetic interactions. | <b>05</b> |
- Q.3**
- |     |  |           |
|-----|--|-----------|
| (a) | Discuss diagnosis and management of Bronchial Asthma.  | <b>06</b> |
| (b) | Write a note on adverse drug reactions.  | <b>05</b> |
| (c) | Match the following disease in set-A with the most relevant cause/risk factors/diagnostic information in set –B. | <b>05</b> |
- | <b>Set –A</b>   | <b>Set –B</b>                                    |
|-----------------|--|
| I Filariasis    | A Sexually transmitted disease                   |
| II Gonorrhoea   | B Estrogen deficiency                            |
| III Meningitis  | C Antiretroviral treatment                       |
| IV Osteoporosis | D Wuchereria bancrofti                           |
| V AIDS          | E Neisseria species and Streptococcus pneumoniae |
- Q.4**
- |     |   |           |
|-----|---|-----------|
| (a) | Explain diagnosis and management of Tuberculosis.               | <b>06</b> |
| (b) | Describe hormone replacement therapy for post-menopausal women. | <b>05</b> |
| (c) | Write a short note on Leukemias.                                | <b>05</b> |
- Q.5**
- |     |   |           |
|-----|---|-----------|
| (a) | Describe in detail management of Cancer.  | <b>06</b> |
| (b) | Classify obesity. Describe risk factors and long term complications of obesity. | <b>05</b> |
| (c) | Write a note on Glaucoma.   | <b>05</b> |

<b>Q. 6</b>	(a)	Discuss pharmacoeconomics and types of its evaluation techniques.	<b>06</b>
	(b)	Explain the pathogenesis and clinical manifestations of AIDS.	<b>05</b>
	(c)	Write a short note on SARS.	<b>05</b>
<b>Q.7</b>	(a)	Describe sign and symptoms and treatment of Thyroid disorders	<b>06</b>
	(b)	Write a note on stem cell transplantation	<b>05</b>
	(c)	Write etiology and pharmacotherapeutic approach for Gout.	<b>05</b>

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