

Vadodara Municipal Corporation

Name of Post: Pharmacist

Written Exam Syllabus

Tentative Exam Date 15-12-2019

Questions: 100		Total Marks: 200	Duration: 2 hrs
S. No.	Subject Description	Marks	
1.	General Knowledge	20	
2.	GPMC Act / Government Regulations (Health related)	20	
3.	Questions related to Pharmacy	140	
	<ul style="list-style-type: none">• Pharmaceutics<ul style="list-style-type: none">○ Introduction to different dosage forms○ Metrology○ Packaging of pharmaceuticals○ Size separation by sifting○ Clarification and Filtration○ Reading and understanding prescriptions○ Study of various types of incompatibilities○ Posology○ Dispensed Medications○ Types of Powders○ Lipids and Dosage forms• Pharmaceutical chemistry<ul style="list-style-type: none">○ Acids, Bases, and Buffers○ Antioxidants○ Gastrointestinal agents○ Topical Agents○ Dental Products○ Introduction of nomenclature of organic chemical systems○ Antiseptics and disinfectants○ Antileprotic Drugs○ Antibiotics○ Hypnotics• Pharmacognosy<ul style="list-style-type: none">○ Definition, history, and scope of Pharmacognosy○ Pharmaceutical aids○ Various systems of classification of drugs and natural origin○ Adulteration and drug evaluation		

- **Biochemistry clinical pathology**
 - Introduction to Biochemistry
 - Carbohydrates, Lipids
 - Vitamins, Enzymes
 - Therapeutics
- **Human anatomy physiology**
 - Scope of Anatomy and Physiology
 - Elementary Tissues
 - Skeletal Systems
 - Cardiovascular Systems
 - Respiratory Systems
 - Muscular Systems
- **Health education community pharmacy**
 - Concept of Health
 - Nutrition and Health
 - First aid
 - Environment and Health
 - Fundamental Principles of Microbiology
 - Communicable Diseases
- **Pharmacology and Toxicology**
 - Introduction to pharmacology
 - Scope of pharmacology
 - Drugs: their advantages and disadvantages
 - General mechanism of drug action
 - Drugs acting on the central nervous system
- **Pharmaceutical jurisprudence**
 - Origin and nature of pharmaceutical legislation in India
 - Principles and significance of professional ethics
 - Pharmacy Act, 1948
 - The Drugs and Cosmetics Act, 1940
 - The Drugs and Magic Remedies Act, 1954
- **Drug store business management**
 - Introduction
 - Drug house management
 - Sales
 - Recruitment, Training
 - Banking and Finance
 - Introduction to accounting

	<ul style="list-style-type: none"> • Hospital clinical pharmacy <ul style="list-style-type: none"> ○ Definition, function, and classification of Hospitals ○ Hospital pharmacy ○ The drug distribution system in the hospital ○ Manufacturing ○ Drug Information Service ○ Introduction to Clinical Pharmacy ○ Modern dispensing aspects 	
4.	Advances in the field of Pharmacy	20
	Total Marks	200

Note: Each right answer will be given 2 marks. Negative marks for wrong answer – 0.5 marks.