***SHAMBHUNATH INSTITUTE OF PHARMACY***

***JHALWA ALLAHABAD***

***IMPORTANT QUESTIONS BANK***

***PHARMACEUTICAL INORGANIC CHEMISTRY (IPC)***

***BP-104T/1ST SEM/2017-18***

**UNIT 1:**

1. WHAT ARE DIFEERENT SOURCES OF PHARMACEUTICAL IMPURITIES?
2. HOW CAN WE IDENTIFY AND CONTROL PHARMACEUTICAL IMPURITIES?
3. EXPLAIN LIMIT TEST FOR IRON AND CHLORIDE.
4. DESCRIBE IN DETAIL LIMIT TEST FOR ARSENIC.
5. EXPLAIN LIMIT TEST FOR LEAD AND SULPHATE.
6. EXPLAIN MODIFIED LIMIT TEST FOR CHLORIDE AND SULPHATE.
7. EXPLAIN THE HISTORY INDIAN PHARMACOPOEIA.

**UNIT 2:**

1. WHAT ARE DENTIFRICES? WHAT DISEASEA ARE RELATED TO DENTAL OR ORAL PROBLEMS? ALSO WRITE DOWN THE PREPARATION, PROPERTIES AND USES OF SODIUM FLUORIDE?
2. DEFINE BUFFERS AND BUFFER EQUATIONS WITH THE HELP OF EXAMPLES?
3. DEFINE TONICITY? EXPLAIN DIFFERENT TYPES OF TONICITY?
4. EXPLAIN DIFFERENT METHODS FOR MEASUREMENT OF TONICITY.
5. WHAT ARE THE MAJOR EXTRA AND INTACELLULAR ELECTROLYTES?
6. EXPLAIN HOW SODIUM AND POTASSIUM DEFECIENCY IN THE BODY CAN BE TREATED?
7. EXPLAIN HOW PHYSIOLOGICAL ACID BASE BALANCE IS MAINTAINED IN THE BODY?
8. DEFINE ORS AND ITS COMPOSITION?
9. WHAT IS THE ROLE OF FLUORIDE IN TREATMENT OF DENTAL CARIES?

**UNIT 3:**

1. DEFINE ANTACIDS? ALSO WRITE DOWN THE PREPARATION, PROPERTIES, AND USES OF THE FOLLOWING COMPOUNDS:
2. ALUMINIUM HYDROXIDE
3. MAGNESIUM HYDROXIDE
4. WHAT DO YOU MEAN BY COMBINED ANTACIDS? EXPLAIN WITH THE HELP OF EXAMPLES?
5. DEFINE CATHARTICS AND ITS TYPES. EXPLAIN THE COMPLE INORGANIC PHARMACEUTICAL CHEMISTRY OF MAGNESIUM SULPHATE?
6. DEFINE ANTIMICROBIALS? WRITE DOWN THE PREPARATION, PROPERTIES AND USES OF THE FOLLOWING:
7. BORIC ACID
8. H2O2
9. POVIDONE IODINE

**UNIT 4:**

1. WHAT ARE HAEMATINICS? EXPLAIN WITH THE HELP OF EXAMPLE?
2. WRITE DOWN THE PREPARATION, PROPERTIES, ASSAY AND USES OF FERROUS SULPHATE.
3. DEFINE ASTRINGENTS? WRITE DOWN THE PREPARATION, PROPERTIES, USES AND IDENTIFICATION TEST OF ANY ONE OF ITS COMPOUND?
4. WHAT ARE ADSORBENTS EXPLAIN WITH REFERENCE TO ACTIVATED CHARCOAL? EXPLAIN HOW ARE THEY PREPARED?
5. DEFINE EXPECTORANTS? ALSO WRITE DOWN THE PREPARATION, PROPERTIES, ASSAY AND USES OF ANY ONE OF ITS COMPOUND.
6. WHAT ARE ANIDOTES? EXPLAIN DIFFERENT TYPES OF ANTIDOTES WITH THE HELP OF EXAMPLES.
7. WHAT ARE EMETICS, HOW DO THEY WORK? ALSO WRITE DOWN THE PREPARATION, PROPERTIES, ASSAY AND USES OF COPPER SULPHATE?

**UNIT 5:**

1. DEFINE RADIOACTIVITY AND EXPLAIN DIFFERENT PROPERTIES OF RADIOACTIVE RAYS.
2. EXPLAIN VARIOUS PRECAUTIONS TO BE TAKEN WHILE HANDLING RADIOPHARMACEUTICALS
3. EXPLAIN HOW RADIATION CAN BE MEASURED USING GEIGER-MULLER COUNTER APPARATUS?
4. WHAT IS THE APPLICATION OF RADIOPHARMACEUTICALS?
5. EXPLAIN DIFFERENT STORAGE CONDITIONS FOR RADIOACTIVE SUBSTANCES.
6. WHAT DO YOU MEAN BY ISOTOPES? EXPLAIN THE USE OF SODIUM IODIDE AS RADIOPHARMACEUTICALS?

***SUBJECT INCHARGE*: MR. SAGAR BANSAL**

**ASST. PROF. /SIP**