

## Advertisement Number - 069/2008

Date – 29<sup>th</sup> July, 2008

Name of the Post - Drug Inspector, General State Service, Group-B in Food and Drugs Administration.

**THE SYLLABUS & OTHER DETAILS OF THE SCREENING TEST WILL BE AS UNDER :-**

**The Screening Test will be held on 5th October, 2008 at Mumbai only.**

**Standard** : Suitable to the post.

**Maximum Marks** : 150

**Medium** : English

**Duration** : One and Half Hour

**Nature of the Paper** : Objective type

### **1) Physiology, Pathophysiology, Pharmacology and Toxicology (40 Marks):**

**1.1 Physiology-** i) Composition / function of Blood elements, ii) Coagulation of blood, iii) Blood groups, iv) Blood components, manufacturing, v) Whole human blood (I.P.), vi) Blood bank- operation / requirements.

**1.2 Pathophysiology-** STD, AIDS, Hypersensitivity, HBSAg.

**1.3 Pharmacology-** Factors modifying drug action, drugs affecting coagulation. Antihypertensive drugs, Antipyretic, Analgesic, Antitussive, Sedative, Hypnotics, Opioids, NSAIDS, Local Anaesthetics, Chemotherapeutic Agents including Anticancer drugs, Antifungal Agents, Drugs affecting CNS, Antidiabetic drugs, Contraceptive drugs, Hormones, Drugs acting on uterus.

**1.4 Toxicology-** Classification of poison, chelating agent, heavy metals, antidotes.

**2) Microbiology (20 marks) :** Sterilisation procedure, Aseptic technics, disinfections, pyrogens, LAL Test, Assay of antibiotics / vitamins, biochemical serological, virological technics, BOD, different media, microbial drugs, drug resistance, microbial limit test, pathogenic organism of common occurrence.

### **3) Biochemistry & Chemistry of drugs / Pharmaceuticals (40 Marks)**

**3.1) DNA, RNA, Nucleic Acid & components, enzymes, metabolism of protein, carbohydrate, lipids, recombinant technology and its application, immunological product-vaccine, sera.**

**3.2) Isomers, Tautomers, fermentation, synthesis of antibiotics, diazo reaction, chemistry of steroids.**

**3.3) Dosage forms, sustained release, dosage form, enteric coating, new drugs, parental drugs, Good manufacturing practices, Good laboratory practices, Routes of administration- Preservatives, suspending / emulsifying agents. Types of vehicles / types of waters, storage conditions for pharmaceuticals.**

**3.4) Principal and application of analysis, UV spectra / I.R./HPLC /GLC / Atomic absorption, HPTLC, LCMS, limit test, heavy metals, devices, sutures.**

**3.5) Surgical - Medical devices sutures**

**3.6) Law-DCC, DTAB, Misbranded, standard, spurious, Adulterated drugs definitions, Govt. Analyst duties, Inspector - power / procedure, definition schedule M/Y/ U**

### **4) General Knowledge related to Pharmaceuticals / Medicine field (25 marks)-**

**01) National Health Programme,**

**02) DPCO / NPPA,**

**03) Narcotic Drugs,**

**04) Poisons - Antidotes,**

**05) Essential Drugs,**

**06) Central Drug Authority**

**07) Nutraceuticals,**

- 08) Magic remedies - Act and Rules,
- 09) Import of Drugs and Cosmetics,
- 10) Central Drug Laboratory,
- 11) WHO - GMP - entification,
- 12) Current event.
- 13) Consumer Protection Act,
- 14) Right to Information Act.

**5) Intelligence Test (25 Marks):** Questions will be asked to test how far candidates can think quickly and accurately.

The candidates should note that the Screening Test will be conducted with a limited purpose of short-listing the candidates for interview. While assessing Objective type answersheets, no penalty marks will be deducted for wrong answers marked by a candidate in his answersheet. Only correct answers given by candidate will be considered for valuation purpose. The marks obtained in the Screening Test will be added to the Marks obtained in the interview to decided the final selection.

The candidates who have been admitted to the Screening Test will be informed by admission letter of the venue and the timetable of the Screening Test. Such letters will be issued by the Commission's Office well in advance. If however, candidates does not receive such letter before three days of the test, they should come personally to the Commission's office to obtain duplicate admission letter. Duplicate letters will be issued to only such candidates whose names are there in the list of admitted candidates. Neither any correspondence will be entertained in this connection nor duplicate letters will be sent by post. As far as possible, only the candidates who are eligible in terms of this advertisement & prospectus, will be admitted for the Screening Test. However, in case of a candidate whose eligibility is disputed, may be admitted provisionally subject to verification of his eligibility. If at any stage of selection it is found that the information given by a candidate in the application is false or wrong or that a candidate does not satisfy the conditions of prescribed qualifications for the post, his candidature for the examination will be cancelled. Candidates should appear for the examination at their own expenses.

**Viva - Voce and Personality Test :-** The candidates who will qualify in the Screening Test and who are eligible for the post according to the provisions mentioned in advertisement, will alone be called for interview by Commission. All such candidates will be summoned by the Commission for Viva-Voce and Personality Test which they will have to attend at their own expenses at Mumbai.

**Place : Mumbai**  
**Date : 29<sup>th</sup> July, 2008.**

**N. S. Patwardhan**  
**Deputy Secretary,**  
**Maharashtra Public Service Commission.**