

# Sikkim Public Service Commission

Main Written Examination for the post of Pharmacist

## Paper II

Time Allowed : 3 Hrs.

Maximum Marks : 100

### INSTRUCTIONS TO CANDIDATES

*Read the following instructions carefully before answering the questions :-*

1. **IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.**
2. Please note that it is the candidate's responsibility to fill in the Roll Number carefully and without any omission or discrepancy at the appropriate places in the **OMR ANSWER SHEET** for MCQ. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. **Use only Black Ball Point Pen to fill the OMR sheet**
4. Do not write anything else on the OMR Answer Sheet except the required information.
5. **This booklet contains MCQ and Conventional type of questions divided into 3 sections. Section A contains MCQ and Section B and C contains Conventional type of questions.**
6. Before you proceed to mark in the Answer Sheet (OMR), you have to fill in some particulars in the Answer Sheet (OMR) as per given instructions.
7. After you have completed filling in all your responses on the OMR Sheet & writing section in a separate Answer Sheet, you should hand over the Answer Sheet & OMR Sheet to the Invigilator only. You are permitted to take away with you the Test Booklet.
8. **Marking Scheme**  
*THERE WILL BE NEGATIVE MARKING FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.*
  - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
  - (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to the question.
  - (iii) If a question is left blank. i.e., no answer is given by the candidate, there will be no penalty for that question.

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

## SECTION A

### Multiple Choice Questions

(50x1=50)

- 1) Enteric coated tablets are meant for disintegration in
  - A) Stomach
  - B) Mouth
  - C) Intestine
  - D) None of the above
  
- 2) Active Immunity is induced by introduction of
  - A) Antigenic substances
  - B) Toxoids
  - C) Vaccines
  - D) Any of the above
  
- 3) An uncoated tablet must dissolve within
  - A) 30 minutes
  - B) 15 minutes
  - C) 45 minutes
  - D) 60 minutes
  
- 4) Toxoids are
  - A) Toxins isolated from microbes
  - B) Toxin treated with Formaldehyde
  - C) Suspension of microbes
  - D) None of the above
  
- 5) Fractional distillation is used for separating
  - A) Immiscible liquids
  - B) Miscible liquids
  - C) Volatile oils
  - D) Pyrogens

- 6) Sieve number 10 is having
- A) 10 hole per square inch
  - B) 10 holes per linear inch
  - C) 10 hole per square Cm
  - D) 10 holes per linear Cm
- 7) Process of short successive maceration is known as
- A) Soxhlation
  - B) Modified maceration
  - C) Percolation
  - D) Decoction
- 8) The gas used for fumigation
- A) Ethylene
  - B) Nitrous Oxide
  - C) Sulphur di Oxide
  - D) Carbon di Oxide
- 9) Carbon di oxide is used as
- A) Buffer
  - B) Acidifier
  - C) Respiratory stimulant
  - D) None of the above
- 10) Magnesium Sulphate is used as
- A) Saline Purgative
  - B) Antacid
  - C) Adsorbent
  - D) Anti diarrheal
- 11) Which of the following is radio opaque compound
- A) Barium Chloride
  - B) Plaster of paris
  - C) Calcium Phosphate
  - D) Barium Sulphate



12) Limit Tests are performed in

- A) Test Tube
- B) Measuring cylinders
- C) Nessler cylinders
- D) Beakers

13) Normal saline contains

- A) 0.9% w/v of Sodium Chloride
- B) 0.9% w/w of Sodium Chloride
- C) 9% w/v of Sodium Chloride
- D) 5% w/v of Sodium Chloride

14) As per WHO formula ORS contains

- A) NaCl, Sodium Bicarb., Dextrose
- B) NaCl, KCl, Dextrose
- C) NaCl, KCl, Sodium Bicarb., Dextrose
- D) NaCl, KCl, Trisodium Citrate dihydrate, Glucose anhydrous

15) Increased SGOT is indicative of

- A) Liver disorders
- B) Rickets
- C) Heart attack
- D) Alcoholism

16) Normal fasting value of the glucose in blood is

- A) less than 50 mg/dL
- B) less than 100 mg/dL
- C) Between 120 – 160 mg/dL
- D) Between 100 – 140 mg/dL

17) 1 grain is equivalent to

- A) 1 gram
- B) 100 mg
- C) 60 mg
- D) 1 mg

18) How many Pints make one Gallon

- A) Two
- B) Eight
- C) Ten
- D) Twelve

19) Cool place means

- A) Room Temperature
- B) Zero degree temperature
- C) Temperature between 2 to 8 degree Celsius
- D) Temperature between 8 to 15 degree Celsius

20) Suspension cannot be administered by

- A) Intravenous route
- B) Intradermal route
- C) Subcutaneous route
- D) Intramuscular route

21) Pessaries are introduced into

- A) Rectum
- B) Vagina
- C) Nose
- D) Ear

22) Concentration of Sugar in Simple Syrup IP is

- A) 85% W/V
- B) 66.7% W/V
- C) 66.7%W/W
- D) 40% W/V

23) Latin term for taking a drug two times a day is

- A) b.i.d.
- B) t.i.d.
- C) q.i.d.
- D) s.o.s.

- 24) Pyrogenic water causes
- A) Rise of body temperature
  - B) Decrease in body temperature
  - C) Growth of microbes
  - D) Increased toxicity of the drug
- 25) Example of female contraceptive is
- A) Cortisone
  - B) Estradiol
  - C) Norethindrone
  - D) Progesterone
- 26) Acetyl Salicylic Acid is commonly known as
- A) Phenacetin
  - B) Paracetamol
  - C) Aspirin
  - D) Naproxen
- 27) Naturally occurring alkaloid used in Glaucoma is
- A) Pilocarpine
  - B) Ephedrine
  - C) Cocaine
  - D) Neostigmine
- 28) Which of the following hormone contains Iodine
- A) Thyroxine
  - B) Insulin
  - C) Testosterone
  - D) Adrenaline
- 29) Chairman of Drug Enquiry Committee was
- A) Prof. M.L.Schroff
  - B) Col. R.N.Chopra
  - C) P.C.Ray
  - D) Sir Joseph Bhole

30) How many doses of medicine a passenger coming from foreign country can carry with him

- A) 30
- B) 60
- C) 100
- D) 150

31) The list of drugs to be sold on the prescription of Registered Medical Practitioner only are contained in

- A) Schedule H
- B) Schedule G
- C) Schedule J
- D) Schedule C

32) Drug containing any filthy, putrid or decomposed substance is called

- A) Spurious drug
- B) Adulterated drug
- C) Misbranded drug
- D) Substandard drug

33) The Education Regulations are prescribed by

- A) Central Government
- B) Pharmacy Council of India
- C) Ministry of Education
- D) State Government

34) The number of hours of practical training required before registration as a pharmacist is

- A) 500 hours to be covered in not less than 3 months
- B) 750 hours to be covered in not less than 3 months
- C) 1000 hours to be covered in not less than 6 months
- D) 300 hours to be covered in not less than 3 months

35) Entry from Journal to Ledger is called

- A) Posting
- B) Transfer
- C) Recording
- D) Journalising



- 36) VED stands for
- A) Vital Essential Desirable
  - B) Very Essential Drugs
  - C) Very Economic Drugs
  - D) Vital Essential Drugs
- 37) Drugs which can be sold without prescription of RMP are called
- A) Ethical drugs
  - B) OTC drugs
  - C) Non-prescription drugs
  - D) Promotional drugs
- 38) Surgical gauge is checked for following standards
- A) Yarn number
  - B) Threads per stated length
  - C) Weight per unit area
  - D) All of the above
- 39) Where is Govt. Opium factory situated
- A) Ghazipur (UP)
  - B) Neemuch (MP)
  - C) Bhopal
  - D) Both a and b
- 40) Ryle's tube is used for
- A) Feeding
  - B) Gastric lavage
  - C) Removing poison from stomach
  - D) All of the above
- 41) Poisoning caused by Organophosphate compounds is treated with
- A) Pethidine
  - B) Charcoal
  - C) Pralidoxime
  - D) Caffeine



42) How many samples of a product are required to be taken by the Drugs Inspector

- A) Four
- B) Three
- C) Six
- D) Two

43) DPT vaccine provides protection against

- A) Diphtheria, Whooping cough and Tetanus
- B) Diphtheria, Polio and Tetanus
- C) Diarrhoea, Pertussis and Toxoids
- D) None of the above

44) Which of the following compound is radio opaque

- A) Barium Chloride
- B) Barium Sulphate
- C) Magnesium Sulphate
- D) Magnesium Carbonate

45) 1% W/V NaCl solution means

- A) 1gram in 100 ml of solution
- B) 1 gram in 100 grams of solution
- C) 1 gram in 1 litre of solution
- D) 1 mole NaCl in 100 ml of solution

46) Usual temperature specified for storage of biological products is

- A) Below 2 degree Celsius
- B) Room temperature
- C) Between 2 to 8 degree Celsius
- D) Between 8 to 15 degree Celsius

47) Which of the following is an antioxidant

- A) NaCl
- B) Boric Acid
- C) HCl
- D) Sodium Metabisulfite

48) Which of the following is an example of naturally occurring emulsion

- A) Egg yolk
- B) Latex
- C) Milk
- D) Sugar cane juice

49) Arjun bark is used as

- A) Cardiotonic
- B) Carminative
- C) Laxative
- D) Antipyretic

50) Which of the following can be used as analgesic, antipyretic and anti-inflammatory

- A) Aspirin
- B) Naproxen
- C) Indomethacin
- D) Sulindac

## SECTION B

**Short Answer Type Questions (Attempt ANY FOUR)**

**(5X4=20)**

1. Calculation of dose for a child
2. NSAIDS
3. Hospital Formulary
4. Role of Pharmacist in controlling drug abuse.
5. Conditions for obtaining Retail Drug Licence
6. Adulteration of crude drugs

## SECTION C

**Long Answer Type Questions (Attempt ANY TWO)**

**(15X2=30)**

7. Discuss various Family Planning methods.
8. Describe structure and functions of Kidney.
9. How Sterilization differs from disinfection. Discuss uses of Gaseous and moist heat sterilization in hospital.
10. Define and classify Incompatibility. Discuss Therapeutic incompatibility with examples.