Subject : PHARMACEUTICS – II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. Write short notes on any five;   [2x5]
    A)   i)   Dentifrices   ii) Cachets   iii) Elixir   iv) Douches   v) Eutectic Mixtures
         vi)   Flocculating agents

    B) Fill in the blanks with suitable words   [1x10]
        i)   The strong purgatives should be avoided in women during --------------------
        ii)   Rectal suppository are generally made from ------------------------------
        iii)   Emulsifying agents reduce --------------------------- between two phases
        iv)   Injection should be ----------------------- Isotonic & free from foreign particle
        v)   Milk is an example of --------------------------- type of emulsion .
        vi)   A Liquified gas is used in the preparation of aerosol named --------------------
        vii)   Haemodialysis is done to remove   ---------------------------- from the blood
        viii) In nonflocculated suspension the particle exist as ----------------------------
        ix)   The maximum dose of potent drug is --------------------------------
        x)   Dusting powder is dispensed in------------------------- Container.

2.   a)   Define the term prescription. Describe in brief the various parts of prescription   [2+10]
      b)   Write notes on WAFER capsule   [3]

3.   a)   What is an ointment base? Clarify & Explain details about different types of ointment base   [2+3+5]
      b)   Explain physical incompatibility with suitable examples   [5]

4.   a)   Define the term Emulsion, What are the different types of emulsion ? Explain about various   [2+1+7]
           identification test for an emulsion.
      b)   Write short notes on "Creaming"   [5]

5.   Explain the term posology. Discuss various factors that affect the dose of a drug.   [2+9+4]
         Write the **formula for Dilling**

6.   Define the term parenteral product.   [2+13]
      Discuss in brief the various test which are required to be done for the evaluation of parenteral preparation

7.   Write short notes on any three
      a)   Alkaloid incompatibility   [5x3]
      b)   Facial Cosmetics
      c)   Dusting Powder
      d)   Suspension
      e)   Eye Drop

D. Pharm   Part (II)   **2021(II)**

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QUESTION PAPER CONTAINING ANYTHINGS WOULD BE TREATED AS MALPRACTICE**

PHARMACEUTICAL CHEMISTRY – II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. A) Write the structure of the heterocyclic ring with numbering & give suitable drug example   [1x10]

    i) Piperazine   ii) Quinoline   iii) Piperidine   iv) Pyrazole   v) Imidazole

    vi) Pyrimidine   vii) Pyridine   viii) Xanthine   ix) Azepine   x) Pteridine

    B)   Write the chemical structure& use of the following medicinal agents   [2x5]

    i) Halothane ii) Lignocaine iii) Isoprenaline iv) Furosemide v) Chlorocresol

2.   Write short notes on any three   [5x3]

    i) Diagnostic agents ii) Anticoagulants iii) Antineoplastic agents iv) Hypoglycaemic agents

3.   a) What do you mean by Tuberculosis?   Classify Anti tubercular Drugs. Write the structure,
    nomenclature   & uses of the following   [2+4+6]

    i) Isoniazid   ii) Ethambutol   iii) Pyrazinamide

    b)   Write short notes on DOTS   [3]

4.   a) Define Antibiotics. Classify them with suitable example.   [2+4]

    b) Write the structure, nomenclature & uses of the following   [3x3]

    i) Benzyl Penicillin   ii) Ampicillin   iii) Phenoxy Methyl Penicillin

5.   **a)** Define and Classify Diuretics.   [2+4]

    b) Write the structure, Nomenclature & uses of   [3x3]

    i)Furosemide   ii) Hydrochlorothiazide   iii) Mannitol

6. Write short notes on any three: [5x3]

    i) Antihistaminic Agents   ii) Antimalarial agents   iii) Analeptics   iv) NSAIDS

7. Write the structure, Nomenclature & uses of any five of the followings:

    a)   Aspirin   [5x3]

    b)   Diazepam

    c)   Chlorpropamide

    d)   Thyroxine

    e)   Imipramine

    f)   Adrenaline

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PHARMACOLOGY & TOXICOLOGY – II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. A) Define the following terms   [2x6=12]

    i) Local Anaesthetics ii) Antibiotics   iii) Inunction   iv) Pharmacodynamics

    v) Absorption   vi) Tolerance

    B) Fill in the blanks   [2x4=8]

    i)   Inverse agonist has _____but_____ intrinsic activity

    ii)   CNS effect of Neostigmine is _____ & Physostigmine is _____

    iii)   Albendazole is a _____ drug & Dapsone is a _____drug.

    iv)   Adrenal Cortex secretes hormones namely _____ &_____

2. Explain different mechanism of drug action. Describe the various factors modifying drug action [5+10=15]

3. Classify Antiadrenergic Drugs. Write the ADME, pharmacological Action, adverse effect & uses

    of Propranolol   [3+2+6+2+2=15]

4. Classify antitubercular drug. Discuss in detail about the first line antitubercular drugs. Add a note on short course therapy for tuberculosis   [3+10+2=15]

5. Differentiate between opioid analgesics & NSAIDs. Write the mechanism of action, pharmacological action, adverse effect & uses of Aspirin.   [3+2+6+2+2=15]

6. What is CHF? Explain the mechanism of action, pharmacological action, adverse effect and uses of Digitalis   [2+3+6+2+2=15]

7. Write short notes on any three: [5x3=15]

    a) Proton Pump Inhibitors

    b) Biguanides.

    c) Treatment of Cough

    d) Loop Diuretics

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D. Pharm Part (II)   **2021(II)**

PHARMACEUTICAL JURISPRUDENCE– II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. A) Define the following (Any Seven)   [2X7=14]

       i) Spurious drug   ii) Cosmetics   iii) Registered Pharmacist   iv) Narcotic Drugs

       v) Advertisements   vi) Schedule P   vii) Magic Remedy   viii) Schedule X

    B)   Fill in the blanks   [1X6=6]

          i) A drug is deemed to be _____ if it is not labelled in the prescribed manner.

          ii)The MTP act provides that pregnancies of women may be terminated by _____

          iii)DTAB stands for _____

          iv)The Central Drug Laboratory was established at _____.

          v) PCI is reconstituted every _____year.

          vi) Under Section _____of the Drugs & Cosmetic Act, drug Inspector may be appointed.

2.   Give the qualification and duties of   [8+7=15]

         i) Drug Inspectors

         ii) Government Analyst

3.   Write notes on   [7.5X2=15]

         i) Poison Act

         ii) MTP Act

4.   Discuss the constitution & function pf Pharmacy Council of India. Write the penalty for falsely claiming

     to be registered Pharmacist.   [8+4+3=15]

5.   Define ethics. Discuss the ethics that a pharmacist should observe in relation to his job & trade [1+7+7=15]

6.   Answer the following [Any Two]   [7.5X2=15]

      i) Write the offences & punishment laid down on contravention of NDPS act

      ii) Write notes on Bonded laboratory.

      iii)Write the constitution &function of DTAB.

7.   Answer the followings

      i) What kind of advertisement are prohibited under drug & magic remedies (Objectionable

         advertisement Act)   [10]

      ii)Write notes on retail price calculation   [5]

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DRUG STORE & BUSINESS MANAGEMENT– II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. Define the following   **[2X10=20]**

   i) Buffer Stock   ii) FIFO   iii) Trade Discount   iv) Overdraft   v) Trial Balance

   vi) Advertising   vii) Book Keeping   vii) Fixed Capital   ix) Debenture   x) Firm

2. What is Cash Book? Describe all types of Cash Book. How it is different from journal, explain.

                                                      [2+6+7=15]

3. Write short notes on   **[5X3=15]**

     i) Balance Sheet

     ii) Types of Banks

     iii)Market Research

4. Define the term Wholesaler. Explain the general functions& services rendered by the Wholesaler

                                                   [2+7+6=15]

5. What is Inventory Control, Write its objectives & function. Describe about EOQ & ABC analysis.

                                                [1+4+10=15]

6. What do you mean by commerce? Difference between trade & commerce. Explain the different component

  & Function of Commerce.   **[2+5+8=15]**

7. Journalize the following transactions   **[15]**

     a. Bought goods for cash Rs 600/-

     b. Paid wages Rs 80/-

     c. Sold goods Vadva Ram Rs 2000/-

     d. Paid Manohar Rs 3000/-

     e. Sold goods to Ramesh Rs 3400/-

     f. Received from Chiranjeevi Rs 1540/- & allowed him discount Rs 60/-

     g. Paid Manohar Rs 3000/-

     h. Sold goods to Chiranjeevi Rs 1600/-

     i. Harish started business with cash Rs 10000/-

     j. Bought goods for Manohar Rs 5000/-

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D. Pharm   Part (II)   **2021(II)**

HOSPITAL & CLINICAL PHARMACY– II (Theory)

Full Mark -80   **Time -3 hrs**

(Answer any five questions including question No. 1)

1. **A)** *Define the following terms*   [2X5=10]

   i) Drug dependence ii) Idiosyncrasy   iii) Universal Antidote iv) Drug Interaction v) Bioequivalence

   B) *Write the normal value of the following*   [1X5=5]

   i) Fasting Blood Sugar Level

   ii)BTCT

   iii)Cholesterol

   iv)ESR

   v) Haemoglobin level in women

   C) *Write the full form of the following*   [1X5=5]

   I)HEPA   II) DTAB   III) CUDD   IV) EOQ   V) MRI

2. What is PTC? Write the function of PTC& describe its role in drug safety & adverse drug reaction.

                                                                           [2+3+10=15]

3. Write short notes on the following   [5X3=15]

   i)   Unit Dose Dispensing

   ii)   Drug food Interaction

   iii) Teratogenicity

4. a) Describe the objectives & functions of Hospital Pharmacy Services   [8]

   b) Write about the requirements & abilities of Hospital Pharmacist.   [7]

5. Discuss the pathophysiology & clinical manifestation of (Any two)   [7.5X2]

   a) Peptic Ulcer

   b) Epilepsy

   c) Hepatitis

6. a) Explain the drug distribution systems in Hospitals for in-patients   [10]

   b) Write their Advantages & Disadvantages   [5]

7.Write notes on:

   i)Factors causing Noncompliance   [7]

   ii)Applications of computers in Hospital Pharmacy   [8]

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