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Dr. Rafiq Zakaria Campus  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

I<sup>st</sup> Sessional Exam October 2015

**Subject: Pharmaceutics II**

Class: D. Pharm II<sup>nd</sup> Year

Date: 17/10/2015

Max.Marks: 20

Time: 1 Hr

Solve any four from the following: (8)

Translate the following terms: a) Jentaculum b) Tussi urgent c) Ungumentum d) Infricandus

Differentiate between simple powder & Compound powder.

Define Synergism & Antagonism

Define Prescription. Enlist parts of prescription.

Convert in metric system: a) 25gr = ?mg b) 1gallon = ? ml. c) 1 ablespoon full = ? ml. d) 1 Kg = lb.

Define Cachets & Give the advantages.

Solve any three from the following:

Find the volume of 85%, 55%, 35% & water require to get 45% 500 ml.

Define Posology. Calculate dose for a child 10 month old having adult dose og 500 mg.

Define incompatibility, types and explain in brief any one.

What is Geometric dilution method? Explain with example.

Explain the procedure handling of prescription.



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**Dr. Rafiq Zakaria Campus**  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

1<sup>st</sup> Sessional Exam October 2015

**Subject: PHARMACEUTICAL CHEMISTRY II**

Class: D. Pharm II Year

Date: 14/10/2015

Max.Marks: 20

Time: 12-1pm

Q.1) Attempt any five

(10 marks)

- i) Define Antiseptics and Disinfectants and give its uses of chlorocresol.
- ii) What are antileprotic agents? Give structure, properties and uses of DDS.
- iii) Define first line & second line anti T.B agents with examples.
- iv) Define First line and second line anti T.B agents with example.
- v) What are Anthelmintic agents? Explain Vermicide and Vermifuge action.
- vi) Name 3 aminoglycoside antibiotics. Give stability, properties and uses of any one
- vii) Define antibiotics. Give structure of ampicillin
- viii) Define and classify sulfa drug according to their duration of action

Q2) Attempt any two

(6 marks)

- i) Give structure of Drug with following hetero cyclic ring.  
a) Acridine b) Pyridine c) Pyrazine
- ii) Define & Classify Anti-Malarial agent with example.
- iii) Give structure & Chemical name of: a) DEC b) Chloroquine c) Sulfa acetamide

Q.3) Attempt any one

(4 marks)

- i) Give structure of following Heterocyclic ring:  
a) Pyridine b) Quinoline c) Imidazole d) pyrrole
- ii) Write a note on Cotrimaxazole.

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DR RAFIQ ZAKARIA CAMPUS

KAMALA NEHRU POLYTECHNIC PHARMACY (AURANGABAD)

1<sup>ST</sup> SESSIONAL EXAMINATION (PHARMACOLOGY AND TOXICOLOGY)

CLASS: II (UA) TIME: 1HR MAX MARKS: 20 DATE: 12<sup>TH</sup> OCT 2015

Q1: DEFINE (ANY 5)

5 MARKS

1. PHARMACOKINETICS
2. ANTAGONISM
3. SYNERGISM
4. ANTINFLAMMATORY
5. METABOLISM
6. THERAPEUTIC INDEX
7. CHEMOTHERAPY
8. CATECHOLAMINE

Q2 : SOLVE (ANY 4)

12 MARKS

1. Classify routes of administration and write advantages of oral route.
2. Write a note on preanaesthetic medication.
3. Describe drug tolerance in detail.
4. Explain Biphasic response and Dales Vasomotor reversal of Adrenaline.
5. Explain any six factors affecting drug action.
6. Write the treatment of Organophosphorus and Atropine poisoning.
7. Describe different types of mechanism of action of drugs.
8. Classify NSAIDs in detail.

Q3: SOLVE (ANY ONE)

3 MARKS

1. Give reason why morphine is contraindicated in head injury.
2. Aspirin is not used in patients with peptic ulcer.

UN- Aided - II

**Dr. Rafiq Zakaria Campus**  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

1st Sessional Exam October 2015

Subject: Pharmaceutical Jurisprudence (0814)

Class: D. Pharm II<sup>nd</sup> Year

Date: 12/10/2015

Max.Marks: 20

Time: 1 Hr

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- Q.1) Solve any three. (6)
- Define Law & Ethics?
  - Give objectives of Medicinal & Toilet preparation act 1957?
  - Define "Bulk Drug" & "Scheduled Bulk Drug"?
  - Explain the term Restricted Preparations and Denatured spirit.
  - What is code of ethics related to hawking of drugs?
  - Give provisions regarding sale of loose quantities of drug from bulk?
- Q.2) Solve any two of following. (6)
- Give 3 recommendations of DEC?
  - Give offences & penalties under poisons Act?
  - Give the objectives of Pharmaceutical legislation.
- Q.3) Solve any two of following. (8)
- Explain role of Pharmacist in relation to his job according to Pharmaceutical code of ethics?
  - Give the formula to calculate retail price of formulations & terms involved?
  - Give the requirements of bonded laboratory?

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1st Sessional Exam October 2015

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Un-Aided Unit

I<sup>st</sup> Sessional Exam Oct-2015

Subject: Drug Store & Business Management

Class: D. Pharm Second Year

Date: 16/10/2015

Max.Marks: 20

Time: 1 Hr

**Note: Solve any five. Each question carry equal marks.**

- Q.1) Define Business. Give its essential features & classifications.
- Q.2) Give flow chart of forms of business organizations. Give Merits & Demerits of JHFS.
- Q.3) Distinguish between Sole proprietorship, Partnership & Company form of business organization.
- Q.4) What do you mean by Functional middlemen. Enlist its types & write note on Itinerant retailers.
- Q.5) Define Management. Explain various functions of management.
- Q.6) Classify wholesalers. Write a note on Super distributors.
- Q.7) Give the flow chart of channels of distributions. Define Middleman.
- 07) write a note <sup>OR</sup> on ABC Analysis.

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Un-Aided Unit

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**Dr. Rafiq Zakaria Campus**  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

1<sup>st</sup> Sessional Exam October 2015

**Subject: Hospital & Clinical Pharmacy**

Class: D. Pharm II<sup>nd</sup> Year

Date: 15/10/2015

Max.Marks: 20

Time: 1 Hr

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1) **Solve any five.**

i) Define any two: a) Out Patient b) Ambulatory Patient c) Referred Patient. (10)

ii) Write objectives of Hospital Pharmacy.

iii) Write benefits of Unit dose dispensing.

iv) Name additives used in parenteral products.

v) Write in short about dispensing of charge floor stock drug.

vi) Write a note on satellite pharmacy.

vii) Write a note on Hospital administrator.

2) **Write short note on any two.**

i) Factors effecting Make or Buy decision. (4)

ii) Layout of Central sterile services.

iii) Bed side pharmacy.

3) **Solve any two.**

i) Define Hospital. Write functions of it & Classify them on basis of clinical orientation. (6)

ii) Name the test for evaluation of Parentrals. Describe any one.

iii) Explain Health Delivery System in India.

iv) Layout & Facilities of Sterile manufacture area.

**Dr. Rafiq Zakaria Campus**  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

1<sup>st</sup> Sessional Exam October 2015

**Subject: Hospital & Clinical Pharmacy**

Class: D. Pharm II<sup>nd</sup> Year

Date: 15/10/2015

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Time: 1 Hr

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II<sup>nd</sup> Sessional Exam Feb-2016

Un-Aided

**Subject: Pharmaceutics-II**

Class: D. Pharm II<sup>nd</sup> Year

Date: 01/02/2016

Max.Marks: 20

Time: 1 Hr

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**Note: Solve any five questions. Each question carry equal marks.**

- Q.1) Write down different method of which are commonly used for evaluating the physical stability of suspension. Explain any one of them.
- Q.2) Differentiate between flocculated & non-flocculated suspensions.
- Q.3) Define Elixer & explain the formulation of its.
- Q.4) Define the following: i) Mouth wash ii) Liniment iii) Lotion iv) Emulsion
- Q.5) What is cracking of emulsion. Give factors responsible for it.
- Q.6) What are mixtures & classify the different types of mixture.
- Q.7) Define Jellis & Explain its types.

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II<sup>nd</sup> Sessional Exam Feb-2016

Un-Aided

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**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**  
**II<sup>nd</sup> Sessional Exam January 2016**  
**Subject: Pharmaceutical Chemistry II**

Class: D. Pharm II<sup>nd</sup> Year  
Date: 28/01/2016

Max.Marks: 20  
Time: 1 Hr

- Q.1) Attempt any four. (4)
- i) Sedative ii) Hypnotic iii) Analeptic iv) Anti coagulants v) Cardiotonic
- Q.2) Attempt any four. (12)
- i) Give storage & stability of Insulin & Heparin.  
ii) Give structure, properties & uses of Haloperidol.  
iii) Give structure & chemical name if diazepam & Imipramin.  
iv) Define anticoagulants & give different source of Heparin!  
v) What are cardiotonic. Give hydrolysis product of digitalis & digoxin.
- Q.3) Write note on any one. (4)
- i) Differentiate between Local & General Anesthetics.  
ii) Give chemical classification of CNS stimulants

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**II<sup>nd</sup> Sessional Exam January 2016**  
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Class: D. Pharm II<sup>nd</sup> Year  
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**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**  
**II<sup>nd</sup> Sessional Exam January 2016**  
**Subject: Pharmacology & Toxicology**

Class: D. Pharm II<sup>nd</sup> Year  
Date: 27/01/2016

Max.Marks: 20  
Time: 1 Hr

**Note: Solve any ten from the following. All questions carry equal marks.**

- Q.1) Define Epilepsy & write names of different types of Epilepsies.
- Q.2) Give reason why Chlorpromazine is called Largactil.
- Q.3) Define Parkinsonism & explain use of Levodopa.
- Q.4) Explain mechanism of action of Local Anesthetics.
- Q.5) Define Asthama & write the effect of Adrenergic drug in Asthma.
- Q.6) Write the treatment of status asthmaticus.
- Q.7) Explain the effect of Expectorant & Demulcent in cough.
- Q.8) Write the classification of Anti-hypertensive drugs.
- Q.9) Define Anemia & write role of B12, Folic acid & Iron in Anemia.
- Q.10) Define Diuretic & write conditions in which diuretics are used.
- Q.11) Define Autocoid & Explain triple response of Histamine.
- Q.12) Name any two drugs used in the following condition: i) Hypertension ii) Angina pectoris  
iii) Arrhythmia iv) Cardio tonic.
- Q.13) Write the dose route, side effect & uses of i) Digitalis ii) Furesamide
- Q.14) Mention any two drug from the following category:  
i) Analeptics ii) Local Anesthetics iii) Antidepressants iv) Plasma expander
- Q.15) Write the mechanism of action of Digitalis.

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II<sup>nd</sup> Sessional Exam January 2015

Subject: Pharmaceutical Jurisprudence

Class: D. Pharm II<sup>nd</sup> Year

Date: 25/01/2016

Max.Marks: 20  
Time: 1 Hr

Solve any three from the following

Define the term Repatriate?

Define Coca leaf and opium?

Define manufactured Drug?

Define registered Pharmacists?

(6 marks)

Solve any two from the following.

Give offences & penalties under pharmacy act 1948 (any two).

Write short note on Narcotic drug & psychotropic substances consultative committee.

Write any two offences & penalties related to the NDPS Act.

Give the conditions under which name can be removed from pharmacy register.

(6 marks)

Solve any two from the following.

Give constitution of PCI?

Give provisions related to prohibition of certain operations related to narcotic drugs & psychotropic substances under NDPS Act.

Explain Education Regulations?

(8 marks)

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II<sup>nd</sup> Sessional Exam January 2015

Subject: Pharmaceutical Jurisprudence

Class: D. Pharm II<sup>nd</sup> Year

Date: 07/01/2016

Max.Marks: 20  
Time: 1 Hr

Solve any three from the following

Define the term Repatriate?

Define Coca leaf and opium?

Define manufactured Drug?

Define registered Pharmacists?

(6 marks)

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Un-Aided Unit

II<sup>nd</sup> Sessional Exam Jan-2016

**Subject: Drug Store & Business Management**

Class: D. Pharm II Year

Date: 30/01/2016

Max.Marks: 20

Time: 1 Hr

**Note: Solve any five. Each question carry equal marks.**

- Q1) How will you maintain the continuity of purchasing.
- Q.2) Explain various types of tenders.
- Q.3) What do you mean by Window display. Give its advantages & importance.
- Q.4) Explain various types of Bank accounts.
- Q.5) Write short notes on: i) Recruitment ii) Types of training
- Q.6) Define Cheque. Explain its classification.
- Q.7) Enlist sources of finance & explain any two method of codification.

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Un-Aided Unit

II<sup>nd</sup> Sessional Exam Jan-2016

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Class: D. Pharm II Year

Date: 30/01/2016

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Time: 1 Hr

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II<sup>nd</sup> Sessional Exam January 2016

Subject: Hospital & Clinical Pharmacy

Class: D. Pharm II<sup>nd</sup> Year

Date: 29/01/2016

Max.Marks: 20

Time: 1 Hr

Note: Solve any five from the following. Each question carry 4 marks.

- Q.1) Define PTC. Write its function.
- Q.2) Define Clinical Pharmacy. Write its scope & objectives.
- Q.3) What is patient compliance. Write role of Pharmacist in it.
- Q.4) Write a note on any two.  
i) Anti-diuretic hormone. ii) Iodine tincture iii) Arrhythmia
- Q.5) Explain sign & symptoms of any two.  
i) Gastric ulcer ii) Hypertension iii) Tuberculosis
- Q.6) Write normal range & significance of any four.  
i) Total RBC count. ii) ESR iii) Heart rate iv) Blood sugar v) Glucose tolerance test vi) Blood pressure
- Q.7) What advice will you give to patient consuming following drug any four.  
i) Antacid tablet ii) Salicylates iii) Boric acid iv) Phenolphathlin v) Tetracycline
- Q.8) Translate the following:  
i) Charta ii) Haustous iii) Nebula iv) Nocte v) Gutta

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II<sup>nd</sup> Sessional Exam January 2016

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III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutics II**

Class: D. Pharm II<sup>nd</sup> Year

Date: 23/03/2016

Max.Marks: 20

Time: 1 Hr

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- 1) Define suppository & mentioned dose characteristics of suppositories.
- 2) Calculation the displacement value of zinc oxide from the following data:
  - i) capacity of mould = 15 grain
  - ii) wt of unmedicated supp. = 10 grain
  - iii) wt of six supp. Containing 40% zinc oxide = 132 grain.
- 3) Explain following methods of hair removal?
- 4) Define hair dyes. Classify them & give its ideal qualities.
- 5) Name any four tests used for evaluation of parental product.
- 6) What is TPN. Why it is necessary, state the types & requirements.
- 7) Define eye drops. Give its ideal characteristics and name the different adjuvant used in the formulation of eye drop.

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III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutics II**

Class: D. Pharm II<sup>nd</sup> Year

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Saba madam

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III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutical Chemistry-II**

Class: D. Pharm II<sup>nd</sup> Year  
Date: 19/03/2016

Max.Marks: 20  
Time: 1 Hr

- 
- 1) Give structure and chemical name of any 4. (4)  
i) Aspirin ii) Paracetamol iii) Thyroxin iv) Chlorpheniramine v) Diphenhydramine
- 2) Give chemical classification with example any 2. (4)  
i) Antihistaminic agent ii) Antithyroid agents iii) NSAIDS.
- 3) Define & classify vitamins and give source and deficiency disorder of thiamine or Vit. C. (4)
- 4) Give uses of any 4. (4)  
i) Cortisone ii) Hydrocortisone iii) Histamine iv) Testosterone v) Aspirin
- 5) Give use of diagnostic agent any 2. (4)  
i) Congo red ii) Evans blue iii) Fluorescence sodium

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III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutical Chemistry-II**

Class: D. Pharm II<sup>nd</sup> Year  
Date: 19/03/2016

Max.Marks: 20  
Time: 1 Hr

- 
- Q.1) Give structure and chemical name of any 4. (4)  
i) Aspirin ii) Paracetamol iii) Thyroxin iv) Chlorpheniramine v) Diphenhydramine
- Q.2) Give chemical classification with example any 2. (4)  
i) Antihistaminic agent ii) Antithyroid agents iii) NSAIDS.
- Q.3) Define & classify vitamins and give source and deficiency disorder of thiamine or Vit. C. (4)
- Q.4) Give uses of any 4. (4)  
i) Cortisone ii) Hydrocortisone iii) Histamine iv) Testosterone v) Aspirin
- Q.5) Give use of diagnostic agent any 2. (4)  
i) Congo red ii) Evans blue iii) Fluorescence sodium

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DR RAFIQ ZAKARIA CAMPUS  
KAMALA NEHRU POLYTECHNIC PHARMACY  
PHARMACOLOGY AND TOXICOLOGY III SESSIONAL EXAM

DATE: 18 MARCH 2016 CLASS: SECOND YEAR MAX MARKS: 20 TIME: 1 HR

NOTE: Solve any 10. All Ques carry equal marks

1. Mention various Insulin Preparations.
2. Define Diabetes Mellitus and explain mechanism of action of Biguanides.
3. Mention any two drugs used in the following conditions 1. Emetic 2. Appetiser 3. Antiemetic
4. Carminative.
4. Explain three methods of oral contraception.
5. Explain any two antithyroid drugs in detail.
6. Mention any four drugs used in the following conditions 1. Tuberculosis 2. Malaria.
7. Write classification of anticancer drugs.
8. Explain mechanism of action of sulpha drugs.
9. Write the uses, dose, route and side effects of 1. Benzyl penicillin 2. Tetracycline.
10. Write the symptoms and treatment of Lead Poisoning.
11. Give reason why Tetracycline is contraindicated in Pregnancy.
12. Give reason why Anthelmintics are given with purgatives.
13. Define 1. Antiseptic 2. Disinfectant.

**Dr. Rafiq Zakaria Campus**  
**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutical Jurisprudence**

Class: D. Pharm II<sup>nd</sup> Year

Date: 17/03/2016

Max.Marks: 20

Time: 1 Hr

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- 1) Solve any three from the following questions. (6)
- a) Define the term Minor & Lunatic?    b) Give the particulars of Schedule H & G.  
c) Give objective of D & C Act?        d) Define Drug Inspector?
- 2) Solve any two question from the following. (6)
- a) Explain Misbranded Drug?            B) Define approved place? Give its requirements.  
c) Give instructions to be appear on label of ophthalmic preparations?
- 3) Solve any two from following. (8)
- a) What is restricted License? Give its conditions?  
b) Give circumstances under which pregnancy can be terminated by RMP as per MTP Act?  
c) Define GA? Give its qualification?

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**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

III<sup>rd</sup> Sessional Exam Mar-2016

**Subject: Pharmaceutical Jurisprudence**

Class: D. Pharm II<sup>nd</sup> Year

Date: 17/03/2016

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III<sup>rd</sup> Sessional Exam March-2016

**Subject:** Drug Store & Business Management

**Class:** D. Pharm II<sup>nd</sup> Year

**Date:** 22/03/2016

**Max. Marks:** 20

**Time:** 1 Hr

Note: Solve any five Questions from the following. All questions carry equal marks.

1. Define: a) Journal b) Ledger c) Account d) Cash Book

2. Explain the errors which cannot be disclosed by trial balance.

Or

What is final account? Explain three stages of final account with formats.

3. Write note on method of posting with example.

4. Explain the formats of Ledger & Journal.

5. Define Budget. Give its advantages & limitations.

6. Explain in brief various techniques of financial analysis.

Or

Explain the rules of Journalizing.

7. Write note on petty cash book with examples.

(1)

(2)

(3)

(4)

(5)

(6)

(7)

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III<sup>rd</sup> Sessional Exam Mar-2016  
Subject: Hospital & Clinical Pharmacy

Class: D. Pharm II<sup>nd</sup> Year  
Date: 21/03/2016

Max.Marks: 20  
Time: 1 Hr

**Note: Solve any five.**

- 1) What is Centralized & Decentralized purchase. Explain how purchase order is prepared & distributed.
- 2) Explain the role of computer in: i) Medication monitoring ii) Purchasing & inventory control.
- 3) Define Drug interaction. Explain interaction during Pharmaco kinetics & Pharmaco dynamics.
- 4) What are different adverse drug reaction. Write in detail about Idio syncrasy & Drug induced diseases.
- 5) What is Bio availability of drug. Write factors affecting it.
- 6) Define Poison & Antidote. Give the formula & uses of Universal antidote.
- 7) a) Define any 2: i) Drug abuse ii) Drug dependence iii) Hallucinogens  
b) Differentiate between Drug addiction & Drug habituation.

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**Kamala Nehru Polytechnic (Pharmacy), Aurangabad.**

III<sup>rd</sup> Sessional Exam Mar-2016  
Subject: Hospital & Clinical Pharmacy

Class: D. Pharm II<sup>nd</sup> Year  
Date: 21/03/2016

Max.Marks: 20  
Time: 1 Hr

**Note: Solve any five.**

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