# Diploma in Pharmacy Second Year Main Examination, April-2021 Pharmaceutics-II [DPY201]

### Time: 3:00 Hrs Max Marks 80 Note : Attempt any 5 questions & question No.1 is compulsory. Each question carries equal marks. 0.1 Multiple Choice Questions. (1x16) (Attempt any 16) (i) One tsp (tea spoon full ) is equal to. (a) 5 ml (b) 10 ml (c) 15 ml (d) 30 ml (ii) Which of the following dosage forms delivers the API to GI tract. (a) Rectal suppositories (b) Nasal spray (c) Vaginal pessaries (d) Eye drops (iii) In medical prescriptions tid stands for. (a) Ter in die (b) At morning (d) At bed time (c) At noon time (iv) In medical prescriptions **HS** stands for. (a) Once a day (b) Twice a day (c) Thrice a day (d) At bed time (v) Which of the following will be the slowest step in tablet drug absorption? (a) Tablet disintegration to granules (b) Granules disintegration to fine particles (c) Fine particles dissolution (d) Dissolution absorbed into the blood (vi) Which form of the drug has the highest bioavailability? (a) Coated tablets (b) Solutions (c) Tablets (d) Emulsions (vii) Why emulsion dosage form for lipophilic drugs proved better? (a) Easy manufacturing (b) The higher stability of the drug in emulsion form (c) Presented a large surface area of oil to the GIT for the absorption of the drug (d) Fast clearance from the plasma (viii) Which is the major rate-limiting step in the absorption of a drug from suspension dosage?

- (a) Tablet disintegration to granules
- (b) Granules disintegration to fine particles

	<ul><li>(c) Fine particles dissolution</li><li>(d) Dissolution absorbed into the blood</li></ul>		
(ix)	Which coating is thin and dissolves rapidly?		
	(a) Sugar coating	(b) Film coating	
	(c) Enteric coating	(d) Sealing coating	
(x)	-	nction of the enteric coated drug?	
	(a) Tough dissolves slowly		
	(b) Thin dissolves completely	nII of the intesting	
	<ul><li>(c) Dissolves only in alkaline</li><li>(d) Shellac coating</li></ul>	pri of the intestine	
(xi)	*	will be the most widely used form of dosage?	
	(a) Emulsion	(b) Solutions	
	(c) Tablets	(d) Powders	
(xii)	Most of the mouth washes con	tains up to 50% of	
	(a) Alcohol	(b) Water	
	(c) Fluoride	(d) Phosphate	
(xiii)	Monophasic doses form used i	in other than oral cavity	
	(a) Douches	(b) Draught	
	(c) Elixirs	(d) Linctus	
(xiv)	Which of the following oral lie formulation.	quid formulations which would be considered as oropharyngeal	
	(a) Syrup	(b) Elixirs	
	(c) Mouthwash	(d) Linctus	
(xv)	Which of the following formu	lations would not be applicable to ocular administration	
	(a) Solution	(b) Liniment	
	(c) Suspension	(d) Ointment	
(xvi)	Intravenous, intramuscular and (a) Pulmonary administration	d subcutaneous are all examples of which rout of administration.	
	(b) Parental administration		
	(c) Otic administration		
	(d) Ocular administration		
Q.2	(a) Define Ointments and Past	es. Explain the difference between pastes and Ointment?	
	(b) Explain different type of pl	harmaceutical formulation?	
Q.3	(a) What are suspension write	the qualities of ideal suspension?	
-		of pastes and their preservatives?	
Q.4	(a) Define emulsion and emuls	sifying agents in detail?	
~	(b) Explain the types of jellies		
	(-)r one of period of Jennes	······································	

- Q.5 (a) Define Monophasic Liquid Dosage Form & Write down vehicles for Mixtures?(b) Write Explain types of additives
- Q.6 (a) Define Powders? Explain its types, advantages and disadvantages in brief?(b) Write Method of preparation of sterile water for injection?
- Q.7 (a) Classify briefly ointment base. Describe any one of them?(b) Describe the packaging process of sterile dosage form
- Q.8 (a) Classify ophthalmic products with examples? Write a note on Dentifrices?(b) Write manufacturing process of ophthalmic products

# Diploma in Pharmacy Second Year Main Examination, April-2021 PHARMACEUTICAL CHEMISTRY - II [DPY202]

### **Time: 3:00 Hrs**

Note : Attempt any five questions.

Max Marks 80

	Each question carries equal marks.		
Q.1	<ul> <li>(a) Fill in the blanks with suitable we</li> <li>(i) Diabetes mellitus is a metabolic</li> <li>(ii) Mebendazole is an example of</li> <li>(iii) Biological source of Actinomyci</li> <li>(vi) Erythromycin is an example of</li> <li>(v) Biperiden is a</li> <li>(vi) Procaine is an example of</li> <li>(vii) Hypoglycemic agent</li> <li>(viii) Biological sources of Penicillin is</li> </ul>	disorder which is caused by in is antibiotic. antagonist. drug. blood sugar level.	_ deficiency.
Q. 1	<ul> <li>(b) Multiple Choice Question-</li> <li>(i) Emetine is used in the treatm</li> <li>(a) Malaria</li> <li>(c) Amebiasis</li> </ul>	nent of - (b) Tuberculosis (d) None of the above	
	<ul> <li>(ii) Which one of these is a first 1</li> <li>(a) PAS</li> <li>(c) Ethambutol</li> </ul>	line drug to treat tuberculosis - (b) Rifampin (d) Ethionamide	
	<ul> <li>(iii) Naltrexone is a morphine</li> <li>(a) Agonist</li> <li>(c) Partial antagonist</li> </ul>	<ul><li>(b) Antagonist</li><li>(d) All of the above</li></ul>	
	<ul> <li>(iv) Oxazepam is a metabolite of</li> <li>(a) Diazepam</li> <li>(c) Chlordiazepoxide and diaz</li> </ul>	(b) Lorazepam	
	<ul><li>(v) The tetracycline with highest</li><li>(a) Docycycline</li></ul>	t antileprotic activity is (b) Oxytetracycine	

		(c) Methacycline	(d) Minocycline
	(vi)	Piperazine citrate is used as	
		(a) Antimalerial	(b) Anthemintic
		(c) Metabolite antagoinst	(d) Amoebicidal
	(vii)	The inhalation anesthetic with the fa	
		(a) Nitrous oxide	(b) Enflurane
		(c) Isoflurane	(d) Nitric oxide
	(viii)	The recent antifungal agent for topic	al use is
		(a) Nystatin	(b) Amphotericin B
		(c) Ketoconazole	(d) Fluconazole
	(ix)	Indirectly acting sympathomimatic S	Shock is
		(a) Dopamine	(b) Tyramine
		(c) Phenylephrine	(d) Isoprenaline
	(x)	Which of the following is most effect	ive antitubercular drug?
		(a) INH	(b) PAS
		(c) Streptomycin	(d) Ethambutol
Q.2		ite about antiseptic and Disinfectants? ite about tranquilizers?	
Q.3	<ul><li>(a) Write about anthelmintic drugs with examples?</li><li>(b) Describe the chemistry and uses of any two antimalarial drugs?</li></ul>		
Q.4	<ul><li>(a) Describe cholinergic drugs.</li><li>(b) Describe the chemical structure, nomenclature and uses of Indomethacin?</li></ul>		
Q.5	<ul><li>(a) Write the synthesis of Neostigmine?</li><li>(b) Explain the diuretic drugs with example. Write the synthesis of ethylnitrite.</li></ul>		
Q.6	<ul><li>(a) Explain Anti- neoplastic drugs with example. Write the properties and uses of actinomycin?</li><li>(b) Write note on- i) Diagonostic Agent &amp; ii) Hypoglycemic Agent.</li></ul>		
Q.7		ite a detail note on Adrenergic Antagonia nat are NSAIDs? Classify them & draw t	
Q.8		ve detail account of CNS stimulants with ite a descriptive note on Antimalarial Dr	

# Diploma in Pharmacy Second Year Main Examination, April-2021 Pharmacology & Toxicology [DPY203]

**Time: 3:00 Hrs** 

Max Marks 80

Note : Attempt all questions. Each question carries equal marks.

#### 0.1 **Multiple Choice Ouestion.** 1x16 Autacoids differ from hormones in that: (i) (a) Autacoids are involved only in the causation of pathological states (b) Autacoids do not have a specific cell/tissue of origin (c) Autacoids generally act locally at the site of generation and release (d) Both 'B' and 'C' are correct (ii) Which of the following is a selective H1 receptor agonist: (a) 4-methyl histamine (b) Impromidine (c) 2-Thiazolyl ethylamine (d) Chlorpheniramine (iii) Histamine exerts the following actions except: (a) Dilatation of large blood vessels (b) Dilatation of small blood vessels (c) Stimulation of isolated guineapig heart (d) Itching (iv) Fall in blood pressure caused by larger doses of histamine is blocked by: (a) H1 antihistaminics alone (b) H2 antagonists alone (c) Combination of H1 and H2 antagonists (d) None of the above (v) Histamine is involved as a mediator in the following pathological condition: (a) Delayed hypersensitivity reaction (b) Inflammation (c) Carcinoid syndrome (d) Variant angina The drug that can directly release histamine from mast cells without involving antigen-antibody (vi) reaction is: (a) Aspirin (b) Procaine (c) Morphine (d) Sulfadiazine (vii) High anticholinergic property is present in the following antihistaminic: (a) Diphenhydramine (b) Astemizole (c) Cetirizine (d) Terfenadine (viii) The following H1 antihistaminic has additional anti 5-HT, anticholinergic, sedative and appetite stimulating properties: (a) Promethazine (b) Terfenadine (c) Cyproheptadine (d) Hydroxyzine (ix) While prescribing a first generation H1 antihistaminic the patient should be advised to avoid: (a) Driving motor vehicles (b) Consuming processed cheese (c) Strenuous physical exertion (d) All of the above Select the H1 antihistaminic which is used topically in the nose for allergic rhinitis: (x) (a) Loratadine (b) Cetirizine (c) Fexofenadine (d) Azelastine The smooth muscle stimulating action of 5-HT is most marked in the: (xi) (a) Bronchi (b) Intestines

	(c) Ureter	(d) Biliary tract	
(xii)	The 'amine' ergot alkaloid differs from (a) High oral bioavailability (c) Weaker oxytocic action	<ul><li>'amino acid' ergot alkaloid in that it has:</li><li>(b) Better CNS penetrability</li><li>(d) Strong anti-5-HT action</li></ul>	
(xiii)	The primary route of administration of i (a) Intradermal (c) Intramuscular	nsulin is: (b) Subcutaneous (d) Intravenous	
(xiv)	The most common adverse reaction to in (a) Hypoglycaemia (c) Urticaria	nsulin is: (b) Lipodystrophy (d) Angioedema	
(xv)	Which of the following is a neuroglucop (a) Sweating (c) Tremor	<ul><li>benic symptom of hypoglycaemia:</li><li>(b) Palpitation</li><li>(d) Abnormal behavior</li></ul>	
(xvi)	Insulin resistance can be minimized by t (a) Corticosteroids (c) Protamine	he use of: (b) Tolbutamide (d) Monocomponent/Human insulin	
Q.2	<ul><li>(a) Discuss the definition of pharmacology and scope of pharmacology</li><li>(b) Write the concepts of essential drug with example</li></ul>		
Q.3	<ul><li>(a) Write brief note on routes of drug administration with example</li><li>(b) Write detail about agonists, antagonists with example.</li></ul>		
Q.4	(a) Write detail about tachyphylaxis, idiosyncrasy, and allergy with example (b)What is Pharmacokinetics? Discuss the absorption, distribution, metabolism and excretion of drugs		
Q.5	<ul><li>(a) Write detail about G-protein–coupled receptors &amp; ion channel receptor with example</li><li>(b) Write the dose response relationship and therapeutic index.</li></ul>		
Q.6	<ul><li>(a) Write detail about adverse drug reactions.</li><li>(b) Write detail about Drug interactions with example</li></ul>		
Q.7	<ul><li>(a) Write the brief process of drug discovery, Describe the phases of clinical trials.</li><li>(b) Write detail classification of neurotransmitters.</li></ul>		
Q.8	<ul><li>(a) Write differences between Parasympathomimetics and Parasympatholytics with example</li><li>(b) Write differences between Sympathomimetics, and sympatholytics with example</li></ul>		

# Diploma in Pharmacy Second Year Main Examination, April-2021 Pharmaceutical Jurisprudence [DPY204]

Time:	3.00	Pharmaceutical Jurisprudence [DPY 204]		
		Hrs Max Marks 80 mpt any five questions.		
11010.		n question carries equal marks.		
	<u></u>			
Q.1	<ul> <li>(a) Fill in the blanks with suitable words. (any 8)</li> <li>(i) If pharmacist is making an attempt to capture the business of fellow pharmacist it is</li> </ul>			
	(ii)	Pharmacist should not interfere the duties of physician, he should carry out his own duties that is		
	(iii)	If pharmacist has made secret contract with doctor it is called as		
	(iv)	Schedule F(ii) prescribes the standards for		
	(v)	Schedule M(i) prescribes the requirements of factory premises, plant, equipments, etc for the manufacture of		
	(vi)	The pharmacist is a vital link between in health care system.		
	(vii)	Requirements and guidelines on the clinical trials for the import and manufacture of new drug is specified in		
	(viii)	) Drugs marketed under the generic names only are specified in		
	(ix)	Standards of patent and proprietary medicine is specified in		
	(x)	Schedule B is related with		
Q.1	(i) (a) U	MCQ: (Any 8)         Before independence drugs were imported from following countries except         Inited Kingdom       (b) Germany         rance       (d) America		
	(a) P	started Bengal Chemicals and Pharmaceuticals Ltd in 1901 rof. T. K. Gajjar (b) Prof. M. L. Schroff charve Profulle Chendre Pay. (d) Acherve Profulle Chendre Pay.		
	(c) A	charya Prafulla Chandra Ray (d) Acharya Prafulla Chandra Ray		
		The main objective of the pharmaceutical legislation is to ensure that the patient receives the required quality of drug that is previously tested and evaluated for its		
		atisfaction and efficacy (b) Safety and efficacy		
	(c) S	afety and economy (d) Satisfaction or efficacy		
		Drugs Enquiry Committee was appointed under the Chairmanship of in 1931.		
		Dr. B. Mukharjee     (b) Mr. Bathgate       (c) A sharpe Profelle Chandre Deer		
	(c) I	t. Col. R. N. Chopra (d) Acharya Prafulla Chandra Ray		

(v) In 1937, the Government of India	introduced
(a) The Pharmacy Act	(b) Drugs & Magic Remedy
(c) Drugs and Cosmetic Act	(d) Import of Drugs Bill

(vi) \_\_\_\_\_\_came into existence to control and prohibit advertisements of drugs which makes false claim for the drug or which gives the misleading information about the drug.

- (a) Drugs and Magic Remedy (Objectionable advertisements) Act, 1954
- (b) Medicinal and Toilet Preparations Act, 1955
- (c) The Pharmacy Act, 1948
- (d) Drugs and Cosmetics Act, 1940

(vii) Ethics is the study of \_\_\_\_\_

·	/	J	
(a)	Fundamental legal	principles	(b) Rule of action
(c)	Moral duties		(d) None

(viii) \_\_\_\_\_ can prevent the sale of substandard quality drugs but cannot prevent selling of drug at cheaper rate

(a) Law	(b) Ethics
(c) Both	(d) None

(ix) If there is any error in the prescription which one of the following statement will be correct?

- (a) Pharmacist should correct it himself
- (b) Pharmacist should ask to trainee pharmacist
- (c) Pharmacist should take a help of patient
- (d) Pharmacist should ask to doctor
- (x) Schedule H prescribes \_\_\_\_
- (a) The list of drugs to be sold by retail only on the prescription of RMP
- (b) The list of drugs to be taken only under the supervision of medical practitioner
- (c) The list of narcotic drugs and psychotropic substances
- (d) The list of diseases which drugs may not claim to cure
- Q.2 (a) Write the scope and objective of pharmaceutical legislation in India?(b) Write in detail about Pharmacy Act?
- Q.3 (a) Write the critical study of the code of pharmaceutical ethical drafted by pharmacy council of India?

(b) Discuss in detail the drug and cosmetic act and the rules there under?

- Q.4 (a) Discuss in detail the drug and magic remedy act?(b) Discuss on Poisons Act 1919?
- Q.5 (a) Discuss medical termination of pregnancy Act in detail.(b) Write the objective, offences and punishment of Narcotic and paychotropic act.
- Q.6 (a) Discuss Principles and Significance of Professional Ethics in detail?(b) Write Definitions and silent features related to retail and wholesale distribution of drugs?
- Q.7 (a) Write short note on Medicinal & Toilet preparations Act.

- (b) Write short note on Latent Drugs (Price control) act.
- Q.8 (a) Write the procedure for registration as Pharmacist under Pharmacy act 1948? Describe the constitution of Pharmacy Council of India?
  - (b) What are loan licenses and repackaging license? Discuss procedure to get the above licenses?

### Diploma in Pharmacy Second Year Main Examination, April-2021 Drug Store & Business Management [DPY205]

Time: 3:00 HrsMax Marks 80Note : Attempt any eight questions.<br/>Each question carries equal marks.Q.1(a) Fill in the blanks: (any 8)

- (i) Inventory Control is an important part of \_\_\_\_\_ management-
- (ii) A system which ensures the provision of the required quantity of inventories of the required quality at the required time with the minimum amount of capital is known as\_\_\_\_\_.
- (iii) To help \_\_\_\_\_ in taking inventory decisions is one of the objectives of inventory control.
- (iv) Stock verification sheet is also known as \_\_\_\_\_\_ sheet.
- (v) ABC analysis is an important \_\_\_\_\_\_ of inventory control.
- (vi) ABC analysis is a technique of material control according to \_\_\_\_\_.
- (vii) A high turnover ratio means \_\_\_\_\_ risk of pilferage.
- (viii) \_\_\_\_\_\_ helps the management to know the fast and slow moving material in stock.
- (ix) \_\_\_\_\_ is the result of various causes such as substandard materials, bad supervision, and carelessness in planning etc.
- (x) \_\_\_\_\_ is defined as the materials which in the process of manufacture are badly damaged and beyond rectification and thus the goods brought to be disposed off as seconds.

### Q.1 (b) Multiple choice type questions. (Any 8)

(i) In a drug store, the expired drug formulation are called:			lation are called:
	(a) Scrap items		(b) Surplus items
	(c) Absolute items		(d) None of the above
(ii)	In Ideal drugs store, the inventory is:		
	(a) In excess	(b) Inadequate	
	(c) Meazre	(d) At level between excessive and inadequate	

(iii) In retail drug store, the medicines are arranged according to:

		<ul><li>b) Pharmacological actions</li><li>d) All the above</li></ul>	
(iv)	License required to start a new ret (a) Drug controller (b) Dru (c) Government analyst (d) Re	g Inspector	
(v)	The minimum qualification to star (a) D. pharmacy (c) Graduate with science	rt a retail drugs store is: (b) B. pharmacy (d) Any degree	
(vi)	A person who is interested to start (a) Pharmacy Degree Holder (c) Chemist	t a retail drug store must be: (b) Registered pharmacist (d) Druggist	
(vii)	A chemist shop deals only in drug (a) General store (c) Street stall	s andso is an example of: (b) single line store (d) None of the above	
(viii)	Audit note book is maintained by (a) Client's clerk (c) Client	whom? (b) Auditor (d) Audit clerk	
(ix)	<ul><li>Which of the following concept sa available widely at low cost?</li><li>(a) Production Concept</li><li>(c) Product Concept</li></ul>	(b) Selling Concept (d) Marketing Concept	
(x)	<ul><li>Which of the following is not a ra</li><li>(a) Stratified sampling</li><li>(c) Cluster sampling</li></ul>	ndom sampling method? (b) Systematic sampling (d) Judgment sampling	
(b) E	/hat do you understand by a busine xplain various types of channels of narketing.	ss organization? distribution those a business organization adopts for sale	
	xplains elements of economics and xplain ABC analysis and VED ana		
	<ul><li>(a) Write a short note on trial balance.</li><li>(b) Write a short note on balance sheet.</li></ul>		
	/hat is cash book? What are its type xplain the forms of business organi		
	Vrite a short note on general ledger low a ledger book is different from		
	xplains the technique of analyzing What do you understand by finance		

Q.2

Q.3

Q.4

Q.5

Q.6

Q.7

Q.8 (a) What are the essential qualifications for a competent technical staff to be appointed at a drug house?

(b) Write the steps to be followed for recruitment of the pharmacist at a drug house?

Enrollment No.....

### Diploma in Pharmacy Second Year Main Examination, April-2021 Hospital & Clinical Pharmacy [DPY206]

Time:	3:00 Hrs	Max Marks 80
Note :	Attempt any five questions.	
	Each question carries equa	l marks.
<b>Q.1</b>	(a) Fill in the blanks with suit	able words. (Any 8)
(i)	Type I ADR reactions is(a) Caused when T-cells bind to	a specific antigen
	(b) Caused by tissue injury	a specific antigen
	(c) IgE mediated	
	(d) Caused by cytotoxic antibod	lies
(ii)		I clinical trials study is
	(a) Upto 4 year	(b) Upto few month
	(c) Upto Two year	(d) Upto several year
(iii)	drug can cause la	
	(a) Metformin	(b) Pioglitazone
	(c) Repaglinide	(d) Glibenclamide
(iv)	The incidence ADR is highest in	
	(a) Children	(b) Elderly
<i>.</i>	(c) Women	(d) Men
(v)		therapy should be avoided in type-1 diabetes mellitus
	(a) ACE inhibitors	
	(c) Centrally acting	(d) calcium channel blockers
(vi)	is an example of	
	(a) Diclofenac	
	(c) Lorazepam	(d) Paracetamol
(vii)		itation and restlessness in the elderly, despite the high incidence of
	extrapyramidal side-effects.	
	(a) Prochlorperazine	(b) Clozapine
	(c) Haloperidol	(d) Flupentixol
(viii)		l during pregnancy due to its Teratogenicity.
	(a) Folic acid	(b) Calcium
	(c) Retinol	(d) Iron

(ix)	(a) Hypokalemia (b) Alopecia		
(x)	<ul> <li>(c) Skin disorder</li> <li>(d) Rhinitis</li> <li>causes pharmacodynamics drug interaction.</li> <li>(a) Gastric motility changes.</li> <li>(b) Stimulation of metabolism</li> <li>(c) Alteration of pH of GIT.</li> <li>(d) Interactions at receptor site</li> </ul>		
Q.1	1 (b) MCQs (Any 8)		
(i)	Rheumatic arthritis is diagnosed with the help of(a) ESR(b) ESR and rheumatic fac(c) Haemoglobulin(d) Uric acid	tor	
(ii)	<ul> <li>The objectives of PTC is-</li> <li>(a) Advisory</li> <li>(b) Education</li> <li>(c) Drug safety and ADR monitoring</li> <li>(d) All the above</li> </ul>		
(iii)	<ul> <li>The word signa in the prescription indicated</li> <li>(a) List of ingredients</li> <li>(b) The strength of medicated</li> <li>(c) Instruction to the patient</li> <li>(d) All of the above</li> </ul>	tion	
(iv)	<ul> <li>Surgical gauze is checked for the following standard-</li> <li>(a) Yarn number</li> <li>(b) Thread per stated lengt</li> <li>(c) Weight per unit area</li> <li>(d) All of the above</li> </ul>	h	
(v)	The antileprotic drug clofazimine causes(a) Nephrotoxicity(b) Photosensitivity(c) Hepatotoxicity(d) None of these		
(vi)	significant	For knowing the presence of infection disease which one of these blood examination is more significant	
	(a) ESR(b) Cholesterol(c) Uric acid(d) Haemoglobin		
(vii)	ii) Administration of oxygen in neoborns causes		
	<ul><li>(a) Blood loss</li><li>(b) Ototoxicity</li><li>(c) Impaired sight</li><li>(d) None of these</li></ul>		
(viii)	<ul> <li>High incidence of vaginal adenocarcinoma is associated with the th</li> <li>(a) Stilbesterol</li> <li>(b) Antithyroid</li> </ul>	erapy involving	
	(d) Subjection (d) None of these		
(ix)	Repeated administration of barbiturates causes -		
	<ul><li>(a) Vitamin A deficiency</li><li>(b) Folate deficiency</li><li>(c) Vitamin C deficiency</li><li>(d) None of the above</li></ul>		
(x)	<ul> <li>When structurally different drug give same clinical result it is called</li> <li>(a) Therapeutic equivalence</li> <li>(b) Clinical equivalence</li> <li>(c) Bioequivalence</li> <li>(d) None of these</li> </ul>	1.	
Q.2	2 (a) Explain Out patient service?		

- (b) Write a note on In patient service?
- Q.3 (a) Classify poison, Enlist steps in general treatment of poisoning?(b) Explain brief about hospital pharmacy?
- Q.4 (a) Define management and health delivery system in India?(b) Give the detail about the drug distribution system in hospital?
- Q.5 (a) Explain the term drug abuse and drug habituation. How is the treatment of drug abuse done?(b) Write application of computer in retail pharmacy establishment?
- Q.6 (a) Briefly write on Large Volume Parentral Solution (LVPs)(b) Explain Drug Price control Act in detail
- Q.7 (a) Describe in detail medical Termination of pregnancy act1971.
  (b) Discuse the provisions of the Act that are applicable to the Sale & Labelling of Homeopathic Medicines.
- Q.8 (a) Explain the term drug abuse and drug habituation. How is the treatment of drug abuse done?(b) What is Hepatitis? Give its types and symptoms.