

Registration No:

1703290055

Total Number of Pages : 01

B.Pharm
BP505T

5th Semester Regular Examination 2019-20
PHARMACEUTICAL JURISPRUDENCE – THEORY

BRANCH : B.Pharma

Max Marks : 75

Time : 3 Hours

Q.CODE : HR378

Answer Question No.1 (Part-A) and 02 (Part-B) which are compulsory and any TWO from Part-C.

The figures in the right hand margin indicate marks.

Part- A

(2 x 10)

Q1 Only Short Answer Type Questions (Answer All-10)

- Write the function of Drug Consultative Committee?
- What do you mean by MAPE?
- Define Bonded and Non-bonded laboratory?
- Differentiate drug store and Pharmacy?
- Name the two government opium factory in India?
- Write the objectives of DPCO?
- Name four types of Psychotropic substances?
- Write the warning statement written on the labeling of Ophthalmic product?
- Give the legal definition of Spurious and Misbranded drugs?
- Define schedule "P" and schedule "J" drugs?

Part- B

(5 x 7)

Q2 Only Focused-Short Answer Type Questions- (Answer Any FIVE out of SEVEN)

- Calculation of retail price as per DPCO?
- Write short note on DTAB?
- Write the qualification and duties of Government analyst?
- Write a short note on loan license?
- Write short notes on experimentation on animal (as per prevention of Cruelty to animal act)?
- Write in details about Licensing authority?
- Write the qualification and duties of Drug inspector?
- Define advertisement? List out the different types of prohibited type according to Drug and Magic remedies (Objectionable advertisement) Act and Rule?
- What is Drug Inquiry Committee? What are the recommendation were given in that committee?

Part-C

Only Long Answer Type Questions (Answer Any TWO out of FOUR)

- Q3 What is code of Pharmaceutical ethics? Discuss the detail about code of Pharmaceutical ethics of a Pharmacist in relation to his Job and Trade? (10)
- Q4 Discuss the different features of Medical Termination of Pregnancy Act and the rules under the act? (10)
- Q5 What are narcotic drugs? Discuss the NDPS act in brief. What are the penalties for committing an offence under the act? (10)
- Q6 What are the significant features of Pharmacy act? Write the constitution and function of PCI? Give a short note about State Pharmacy Council? (10)



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1708290055

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B.Pharm
BP504T

5th Semester Regular Examination 2019-20
PHARMACOGNOSY AND PHYTOCHEMISTRY II- THEORY

BRANCH : B.Pharma

Max Marks: 75

Time : 3 Hours

Q.CODE : HR273

Answer Question No.1 (Part-A) and 02 (Part-B) which are compulsory and any TWO from Part-C.

The figures in the right hand margin indicate marks.

Part-A

(2 x 10)

Q1 Only Short Answer Type Questions (Answer All-10)

- Write the biological source and uses of Liquorice.
- Define Glycoside.
- Write the therapeutic uses of Aloes.
- State about basic metabolic pathway?
- What are the biosources and chemical constituents of Ginger?
- Write the general properties of resins.
- Write the biological source and therapeutic uses of Mentha.
- Define isolation.
- What are the biological source and uses of Rauwolfia?
- State about secondary metabolites

Part-B

(5 x 7)

Q2 Only Focused-Short Answer Type Questions- (Answer Any FIVE out of SEVEN)

- Write the biosynthetic study of amino acid pathway.
- Explain the isolation and identification of Rutin.
- Write the chemical classification of tannin with examples.
- Write the therapeutic applications of Fennel and Gentian.
- Illustrate the identification and analysis of Podophyllotoxin.
- Explain the biosources, chemistry and commercial applications of Tea.
- Illustrate the principle of electrophoresis in the isolation of crude drugs.
- What are the applications of Spectroscopy?
- Explain the utilization of radioactive isotopes in the investigation of biogenesis.

Part-C

Only Long Answer Type Questions (Answer Any TWO out of FOUR)

- Q3 Describe industrial production, estimation and utilization of Caffeine. (10)
- Q4 Discuss in detail about the isolation, identification and utilization of Atropine. (10)
- Q5 Write the general introduction of alkaloids. Discuss the biological sources, Chemical composition, therapeutic uses and commercial applications of Belladonna. (10)
- Q6 Describe the general properties of volatile oil. Write the detailed Pharmacognostic study of Clove. (10)



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B.Pharm
BP503T

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5th Semester Regular Examination 2019-20

PHARMACOLOGY II – THEORY

BRANCH : B.Pharm

Max Marks : 75

Time : 3 Hours

Q.CODE : HR214

Answer Question No.1 (Part-A) and 02 (Part-B) which are compulsory and any TWO from Part-C.

The figures in the right hand margin indicate marks.

Part- A

(2 x 10)

- Q1 Only Short Answer Type Questions (Answer All-10)
- a) Write any two 5HT receptor antagonist with their uses.
 - b) Name any two anti-platelet drugs and their uses.
 - c) Define haematinics. Write any two oral iron preparations with their uses.
 - d) Name any two antidiuretics. Mention their uses.
 - e) What are fibrinolytics? Write two examples.
 - f) Differentiate between the Quantal and Graded Bioassay methods with examples.
 - g) Quinidine should not be administered along with the digoxin- Justify.
 - h) State the mechanism and uses of nicorandil.
 - i) Name any four prominent adverse effects of thiazide diuretics.
 - j) Write any two plasma volume expanders and their uses.

Part- II

- Q2 Only Focused-Short Answer Type Questions- (Answer Any FIVE out of EIGHT) (5 x 7)
- a) Write the mechanism, adverse effects & uses of Glyceryl trinitrate.
 - b) Explain about any one official method of bioassay of Insulin.
 - c) Write about the pharmacology of ACE inhibitors.
 - d) Describe about the mechanism of action and uses of calcium channel blockers.
 - e) Give brief account on coagulants with their uses.
 - f) Write the mechanism, adverse effects and uses of spironolactone.
 - g) Write brief note about oral anticoagulants with special reference to mechanism of warfarin.
 - h) Write the mechanism, adverse effects & uses of quinidine.
 - i) Explain about the pharmacology of sulfonyl ureas used as oral hypoglycaemic drugs.

Part-III

- Q3 Only Long Answer Type Questions (Answer Any Two out of Four)
- Q3 What are cardiac glycosides? Describe the M.O.A., adverse effects and uses of digoxin. (10)
 - Q4 Classify NSAIDS. Explain about the various pharmacological actions of Aspirin. (10)
 - Q5 Classify H₁ antihistaminic drugs. Briefly explain about the pharmacology of H₁ antihistaminic drugs. (10)
 - Q6 Define Bioassay. Describe briefly about the various methods of bioassay. (10)



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B.Pharm
BP502T

Total Number of Pages : 01

5th Semester Regular Examination 2019-20
INDUSTRIAL PHARMACY-I THEORY

BRANCH : B.Pharma

Max Marks : 75

Time : 3 Hours

Q.CODE : HR152

Answer Question No.1 (Part-A) and 02 (Part-B) which are compulsory and any TWO from Part-C.

The figures in the right hand margin indicate marks.

Part- A

(2 x 10)

Q1 Only Short Answer Type Questions (Answer All-10)

- State polymorphism and its significance.
- How flow properties affect design of solid dosages form?
- Write any two identification tests of emulsion.
- Define tablet and give some examples of granulating agent.
- Mention any two manufacturing defects of tablet.
- In syrup preparation needs of preservative is essential or not. Justify.
- Write any two evaluation parameters of suspension.
- Give some examples of non-aqueous solvent used in parenteral formulations.
- Define propellant. Give some examples of it.
- Write any two differences between cold cream and vanishing cream.

Part- B

(5 x 7)

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve)

- Write BCS classification of drugs and its significance?
- State and explain solubility profile related to PH & PKa value.
- Write about in general requirements of tablet formulation.
- Differentiate between hard gelatin & soft gelatin capsule. Which capsule number is largest capacity for powder filling?
- Write details about pyrogen and sterility test of parenteral formulation.
- Define Lipsticks. Write about formulation of it.
- State and write briefly different steps of ophthalmic preparation.
- Differentiate between flocculated and de-flocculated suspension
- Why tablet requires coating? Explain details about sugar coating.

Part-C

Q3 Only Long Answer Type Questions (Answer Any Two out of Four)

What is a pre-formulation study? Discuss in details about pre-formulation goal, objectives and physico-chemical properties of drug substance. (10)

Q4 Define compression of powders. Write different methods of preparation of tablets (10)

Q5 Explain details about formulation of parenteral preparation. (10)

Q6 What is Aerosol? Discuss details about formulation, manufacture and any two evaluations. (10)



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B.Pharm
BP501T

Total Number of Pages : 02

5th Semester Regular Examination 2019-20
MEDICINAL CHEMISTRY II – THEORY

BRANCH : B.Pharma

Max Marks : 75

Time : 3 Hours

Q.CODE : HR061

Answer Question No.1 (Part-A) and 02 (Part-B) which are compulsory and any TWO from Part-C.

The figures in the right hand margin indicate marks.

Part- A

(2 x 10)

Q1 Only Short Answer Type Questions (Answer All-10)

- Write down the structure, mechanism of action and uses of Nifedipine.
- Write down the structure and uses of Betamethasone.
- Name two plant products used in the treatment of cancer.
- Write down two thiazolidinedione derivative used in hyperglycemia.
- Write down the structure, mechanism action and uses of Lovastatin.
- What is loop diuretic? Mention its chemical name with structure.
- Name two drugs used in erectile dysfunction.
- What do you mean by PPI? Write down the structure, mechanism of action and uses of Pantoprazole.
- Write down the structure uses and nomenclature of Methimazole.
- Give the structure nomenclature and uses of 5-Fluorouracil.

Part- B

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (5 x 7)

- Write a note on Insulin and its preparation.
- Define and classify antihypertensive agents. Outline the synthesis, mechanism of action and uses of Methyldopa.
- Define Antihistamine. Write down the synthesis and uses of Cimetidine.
- What do you mean by congestive heart failure? Mention its treatment.
- Define antiarrhythmic agents. Write down the synthesis, mechanism of action and uses of Disopyramide phosphate.
- Write notes on oral contraceptives.
- Classify the alkylating agents with suitable examples. Write down the mechanism of action of it.
- Classify oral hypoglycemic agent with suitable examples. Outline the synthesis and mechanism of action of Tolbutamide.
- Define anticoagulants. Write down the synthesis, mechanism of action and uses of Warfarin.



Part-C

Only Long Answer Type Questions (Answer Any Two out of Four)

- Q3 Define Diuretics. Classify it with suitable examples. Write down the SAR of thiazide groups and outline the synthesis of Chlorothiazide and Acetazolamide. (10)
- Q4 Discuss the nomenclature and stereochemistry of steroids with suitable examples. (10)
- Q5 Classify antihistamine with suitable examples. Write down the SAR of H1-receptor blockers. Write down the synthesis and uses of Diphenhydramine and Promethazine. (10)
- Q6 Define and classify local anaesthetics. Discuss the SAR of local anaesthetics. Outline the synthesis and uses Procaine and Dibucaine. (10)