

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 01

B.PHARM
PH. 8.1

8th Semester Regular / Back Examination 2016-17
PHARMACEUTICS - VII (FORMULATION DESIGN & NEW DRUG DELIVERY SYSTEMS)
BRANCH: Pharmacy
Time: 3 Hours
Max Marks: 70
Q.CODE: Z102

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)

- a) Define preformulation study, how drug-excipients compatibility can be detected?
- b) Amorphous are more soluble than crystalline, justify?
- c) What is partition coefficient? Write its significance?
- d) How flow property of powder is measured? Illustrate it.
- e) Define "cosmetics."
- f) What are conditioners? Give two examples.
- g) Explain the term sustained release and Extended release formulation.
- h) Write different types of liposome.
- i) Describe briefly the term deodorant
- j) Drug with high dose are not suitable for formulation of Transdermal Drug Delivery System, explain.

Q2 a) What is BCS classification of drugs? Write it's significance in design a dosage form. (5)

b) Describe the significance of dissociation constant in drug absorption process. (5)

Q3 Write notes on:

- a) Resealed erythrocytes (5)
- b) IUDs (5)

Q4 Discuss briefly the design and evaluation of Transdermal Drug Delivery System. (10)

Q5 a) Write advantages of controlled release dosage form (5)

b) What is dose dumping? How it is prevented. (5)

Q6 Describe the significance and protocol of pre formulation study. (4+6)

Q7 Write notes on:

- a) Evaluation of shampoo (5)
- b) Polymorphism (5)

Q8 Write about the preparation and evaluation of lipstick. (10)

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 02

B.Pharm
PH.8.3

8th Semester Regular / Back Examination 2016-17
CLINICAL PHARMACY AND THERAPEUTICS
BRANCH: PHARMACY

Time: 3 Hours

Max Marks: 70

Q.CODE: Z140

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)

- a) What happen when tetracycline taken with milk.
- b) Define Pharmacotherapeutics.
- c) Name two drugs which inhibit the drug metabolising enzyme.
- d) Name some drugs used in the treatment of angina.
- e) What is Hodgkin's disease?
- f) Write the etiology of Myocardial Infraction.
- g) Write the drug used in the treatment of Ulcerative Colitis.
- h) Write the uses of Neuroleptics.
- i) What is Dots?
- j) Give some examples of Anti depressant drugs.

Q2 Write notes on

- a) Treatment Management of Tuberculosis. (5)
- b) Pharmacological approach for the treatment of Type-2 diabetes mellitus. (5)

Q3 Write short note on

- a) Definition and Types of Adverse drug reaction. (5)
- b) Different Factors that Predisposing Adverse Drug Reaction. (5)

Q4 Write notes on

- a) Approach for The Treatment of Peptic ulcer. (5)
- b) The Treatment Management of Hypertension. (5)

Q5 Define Drug Interaction. Write detail notes on Pharmacokinetic drug interaction with suitable example. (2+8)

Q6 Write short note on

- a) Upper Respiratory Tract Infection (5)
- b) Urinary Tract Infection. (5)

Q7 What is Bronchial asthma? Write the Etiology of Bronchial Asthma. **(10)**
Discuss the Treatment Approach for Bronchial Asthma.

Q8 Write notes on
a) Rational Use of Drug. **(5)**
b) Therapeutic Drug Monitoring. **(5)**

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 2

B.PHARM
PH.8.4

8th Semester Regular/ Back Examination 2016-17
QUALITY ASSURANCE AND GMP

BRANCH: Pharmacy

Time: 3 Hours

Max Marks: 70

Q.CODE: Z263

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)

- Define audit and signify its importance.
- Differentiate between effectiveness and efficiency
- What do you mean by reprocessing signify its role
- What is fish bone diagram, justify its utility in developing quality product
- What are qualifications required for a person to qualify to work in a manufacturing area of a pharmaceutical company
- What do you understand by out of specification and how does it influence the quality of products
- Define and signify the importance of quality circle and quality surveillance
- What are the various types of SOPs that are designed in a pharmaceutical plant
- What are requirements of water quality for sterile products
- What are HEPA and how can we detect its defects if any

Q2 Write short note on

- SOP (5)
- Process validation (5)

Q3 Write short note on

- Analytical validation (5)
- Requirements of ware house for storing raw materials (5)

Q4 Give a brief account on the drug regulatory bodies and their role with respect to Indian scenario. (10)

Q5 Write short note on (any two) (5X2)

- a) ISO
- b) Documentation
- c) IPR and its role

Q6 Write short note on (any two) (5X2)

- a) Sanitation and hygiene requirements of manufacturing plant
- b) Equipment validation
- c) Air handling units and its significance

Q7 Write short note on (any two) (5X2)

- a) Cleaning validation
- b) Product recall
- c) Aseptic processing

Q8 What is the objective of TQM? Signify the principle of TQM that help in developing quality product. (10)

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages:02

B.PHARM
PH.8.5

8th Semester Regular / Back Examination 2016-17

PHARMACEUTICAL MANAGEMENT

BRANCH: Pharmacy

Time: 3 Hours

Max Marks: 70

Q.CODE: Z395

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

Q1 Answer the following: 2 x 10

- a) How a leader is different from a manager?
- b) How does availability of materials determine plant function?
- c) Recruitment is a positive process but selection is a negative process. Justify.
- d) Return on investment can be considerably improved by effective materials management. Comment.
- e) What are different types of incentives offered by organizations to their employees?
- f) What are 5R principles of purchasing?
- g) How sales promotion helps in marketing efforts of a company?
- h) What is financial statement?
- i) How 360 degree appraisal improves manager's credibility?
- j) What is entrepreneurship?

Q2 Briefly describe the different administrative functions of management. 10

Q3 What are different types of production flow processes? 10

Q4 Briefly describe the production process with special reference to Maslow's need hierarchy theory. 10

Q5 What are the different channels of distribution in marketing? 10

Q6 What are modern techniques of inventory control with special reference to ABC analysis? **10**

Q7 Briefly discuss the sales process followed by a salesman. **10**

Q8 Write short notes on (any two) **5 X 2**

- a) Storekeeping functions
- b) Stock verification
- c) Journal & ledger

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 01

B.PHARM
PH.E.1

8th Semester Regular / Back Examination 2016-17

COSMETIC TECHNOLOGY

BRANCH: Pharmacy

Time: 3 Hours

Max Marks: 70

Q.CODE: Z196

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

- Q1** Answer the following questions: (2 x 10)
- a) Classify humectants with examples.
 - b) Define shelf life.
 - c) Name the quality control tests for compact powder.
 - d) Mention the characteristics of nail lacquer
 - e) Mention two examples of cooling agents used in Shaving Preparations.
 - f) What is acne?
 - g) How Epilatories differ from Depilatories?
 - h) Which emulsion preparation has lowest viscosity?
 - i) Write the composition of eye liner.
 - j) Give two examples of Inorganic Colours used in cosmetic preparations
- Q2** Define cosmetic. Classify it; briefly discuss the various raw materials used for cosmetic preparations. (1+2+7)
- Q3** Define skin preparation. Write the composition and preparation of anti-aging products. (2+8)
- Q4** Classify color cosmetics. Briefly discuss about nail polish. (3+7)
- Q5** Write short notes on any two: (5x2)
- a) Lipstick
 - b) After shave lotion
 - c) Dentifrices
- Q6** Write short notes on any two: (5x2)
- a) Hair dyes
 - b) Sunscreen products
 - c) Mouthwash
- Q7** Classify hair care products. Write in detail the composition and preparation method of shampoo. (10)
- Q8** How the Packaging of cosmetics done. Enumerate by citing appropriate examples. (10)