

[LB 1012]

OCTOBER 2012

Sub. Code: 2026

**MBA HOSPITAL AND HEALTH SYSTEM  
MANAGEMENT DEGREE EXAMINATION  
SECOND YEAR  
PAPER VI – HEALTH CARE TECHNOLOGY  
AND PHARMACEUTICAL MANAGEMENT  
Q.P. Code : 432026**

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

<b>I. Elaborate on :</b>	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Present trends and development in healthcare technology.	17	40	20
2. State and expand on Drugs and Cosmetics act 194 and its amendments, Pharmacy ACT 1948.	17	40	20
<b>II. Write Notes on:</b>			
1. National Health Policy.	4	10	6
2. Advantages and disadvantages of advanced – technology in cardiology.	4	10	6
3. Pre-chemical development stages of acute and chronic toxicity studies.	4	10	6
4. Stages of development process of vaccines.	4	10	6
5. Concept of sustained release and modified release.	4	10	6
6. New Drug Application (NDA).	4	10	6
7. Development process of prosthetic materials.	4	10	6
8. Herbal drugs.	4	10	6
9. Hormones.	4	10	6
10. Neutraceuticals.	4	10	6

\*\*\*\*\*

[LC 0413]

APRIL 2013

Sub. Code: 2026

**MBA HOSPITAL AND HEALTH SYSTEM  
MANAGEMENT DEGREE EXAMINATION  
SECOND YEAR  
PAPER VI – HEALTH CARE TECHNOLOGY  
AND PHARMACEUTICAL MANAGEMENT**

*Q.P. Code : 432026*

**Time : 3 hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2x20=40)**

1. Development processor of radio diagnostic and therapeutic agents and its importance.
2. Application of technology in Nephrology, Urology & Cardiology and its advantages.

**II. Write Notes on:**

**(10x6=60)**

1. Pharmacodynamics.
2. Cost effectiveness of advanced technology in healthcare.
3. Clinical development phase I, II, III.
4. Herbal drugs.
5. Pharmacy Act 1948.
6. National Health Policy (NHP).
7. Application of technology in Radiology & Laboratory services.
8. Information Technology.
9. Prosthetic materials.
10. Pharmaceutical legislation.

\*\*\*\*\*

[LD 1013]

OCTOBER 2013

Sub. Code: 2026

**MBA HOSPITAL AND HEALTH SYSTEM  
MANAGEMENT DEGREE EXAMINATION  
SECOND YEAR  
PAPER VI – HEALTH CARE TECHNOLOGY  
AND PHARMACEUTICAL MANAGEMENT**

*Q.P. Code : 432026*

**Time : 3 hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2x20=40)**

1. What are the functions and the constitution of pharmacy council of India?
2. Appropriate use of healthcare technology in developing countries.

**II. Write Notes on:**

**(10x6=60)**

1. New Drug Application.
2. Development process of biotechnological and surgical products.
3. Differentiate the concepts of sustained release and modified release dosage forms.
4. Write about Drugs and Magic Remedies Act.
5. Give the salient features of hard and soft gelatin capsules.
6. Differentiate between syrups and elixirs.
7. Economics of new drug development.
8. Development of new devices – elaborate.
9. Toxicity studies.
10. Explain the principles and functioning of an ICU ventilator. What is its purpose?

\*\*\*\*\*

[LF 1014]

OCTOBER 2014

Sub.Code :2026

**MBA (HOSPITAL & HEALTH MANAGEMENT) DEGREE EXAMS  
SECOND YEAR  
(2011-2012 Batch onwards)  
PAPER VI – HEALTH CARE TECHNOLOGY AND PHARMACEUTICAL  
MANAGEMENT**

*Q.P. Code: 432026*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Give an account of the physiochemical properties of drug molecules that are to be considered in pre-formulation studies.
2. Define healthcare technology. Classify therapeutic equipments with suitable examples for each.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Explain the term Neutraceuticals.
2. List out and discuss various semi-solid preparations.
3. Briefly explain Drugs and Magic Remedies Act.
4. Explain the basic functions of Pharmacy Council of India.
5. What are the various types of tablet coating?
6. How sustained release is differs from modified release of dosage forms?
7. Explain the formulation of manicure preparations.
8. Write short notes on radio-pharmaceuticals.
9. Differentiate between lotion and liniment.
10. Explain briefly:
  - a) Blood gas Analyzer
  - b) Cardiac defibrillator
  - c) Betatron

\*\*\*\*\*

[LH 1015]

OCTOBER 2015

Sub. Code: 2026

**MBA (HOSPITAL & HEALTH MANAGEMENT)**  
**(from 2011-2012 Batch onwards)**  
**SECOND YEAR**  
**PAPER VI – HEALTHCARE TECHNOLOGY AND PHARMACEUTICAL**  
**MANAGEMENT**

*Q.P. Code : 432026*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What are the present trends and advances in healthcare technology globally? Classify these advances and support your answers with practical examples.
2. Explain in detail about the pre-clinical drug development and experimentation on animals.

**II. Write notes on :**

**(10 x 6 = 60)**

1. Describe the basic diagnostic medical instrumentation system with suitable diagram.
2. Explain the important medical equipment used for radio diagnostic procedures by illustrating its types and application.
3. Describe the principle and functions of an ICU ventilator.
4. Define tablet coating. Write about the various types of coating in detail.
5. Explain the types of investigational new drug.
6. What are the general procedure for preparing syrups, elixirs, suspension and capsules?
7. Trace out the various problems and constraints associated with Healthcare Technology. How it can be analyzed by Bio-medical Engineers in a multi-speciality Hospitals?
8. Give an account of radio-diagnostic equipment available in Hospitals.
9. Explain cosmetics for skin and preparation of shampoos.
10. Explain briefly:  
Herbal drugs (b) LD<sub>50</sub> & ED<sub>50</sub> (c) Vaccines

\*\*\*\*\*