

[LB 0212]

AUGUST 2012

Sub. Code: 1502

B.Sc. CARDIAC TECHNOLOGY

FIRST YEAR

PAPER – II – PHARMACOLOGY RELATED TO

CARDIAC TECHNOLOGY

*Q.P. Code : 801502*

**Time : Three hours**

**Maximum : 100 marks**

**(180 Mins) Answer ALL questions in the same order**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |                                                                             |   |    |    |
|-----------------------------------------------------------------------------|---|----|----|
| 1. Write about Beta blockers.                                               | 7 | 20 | 10 |
| 2. Explain in detail about Platelet inhibitors.                             | 7 | 20 | 10 |
| 3. Write assay on Mechanism of action, uses and adverse effects of Statins. | 7 | 20 | 10 |

**II. Write Notes on:**

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|----------------------------------------------------|---|----|---|
| 1. Write a short note on Protamine.                | 4 | 10 | 5 |
| 2. Explain briefly about Niacin.                   | 4 | 10 | 5 |
| 3. Write a short notes on Antacids.                | 4 | 10 | 5 |
| 4. Write briefly on Type 1 Antiarrhythmics.        | 4 | 10 | 5 |
| 5. Write a notes on directly acting vasodilators.  | 4 | 10 | 5 |
| 6. Give a short note on Transdermal nitrate patch. | 4 | 10 | 5 |
| 7. Write a notes on Heparin.                       | 4 | 10 | 5 |
| 8. Mechanism of action of Digoxin.                 | 4 | 10 | 5 |

**III. Short Answers on:**

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|---------------------------------------------------|---|---|---|
| 1. Adverse effects of Nitrates.                   | 2 | 4 | 3 |
| 2. Name the Calcium Channel Blockers.             | 2 | 4 | 3 |
| 3. Name the Type 3 Anti arrhythmic drugs.         | 2 | 4 | 3 |
| 4. Low molecular weight heparin.                  | 2 | 4 | 3 |
| 5. Drug classification of anti anginal drugs.     | 2 | 4 | 3 |
| 6. Therapeutic uses of Fibrinolytics.             | 2 | 4 | 3 |
| 7. Mechanism of Action of proton pump inhibitors. | 2 | 4 | 3 |
| 8. Write about warfarin.                          | 2 | 4 | 3 |
| 9. Mechanism of action of penicillins.            | 2 | 4 | 3 |
| 10. Drug classification of Diuretics.             | 2 | 4 | 3 |

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