

B.Sc. RESPIRATORY THERAPY
(New Syllabus 2014 - 2015)

THIRD YEAR

PAPER III – LIFE SUPPORT SYSTEM

Q.P. Code: 802618

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about ATLS and briefly about c-spine injury and its management?
2. Define shock, classify and enumerate the causes. Write a detailed note on cardiogenic shock.
3. Note on role of respiratory therapist in in-hospital cardiac arrest and how will you monitor the quality of CPR? Write briefly on transport of cardiac arrest patient.

II. Write notes on:

(8 x 5 = 40)

1. Acute coronary syndrome.
2. ETCO₂ and its role in CPR.
3. Write a detailed note on pacemaker and various pacing modules.
4. Write a short note on combitube.
5. How to confirm the effectiveness of cardiac compression and artificial respiration?
6. What are the shockable rhythms and how will you administer a shock?
7. SELICK'S maneuver, BURP.
8. CPR in pregnancy.

III. Short answers on:

(10 x 3 = 30)

1. Why did they change ABC to CAB in cardiac resuscitation?
2. Thrombolytic agents.
3. Pericardiocentesis – indications.
4. Cricothyroidotomy.
5. I – gel.
6. PEA.
7. Complications of CPR.
8. Define STEMI and its criteria.
9. Amiodarone.
10. DNR (Do not resuscitate) / DNI (Do not intubate).