

**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 CPR, science of CPR, complications of CPR and elaborate on alternative CPR techniques.
2. Management of VT with pulse and without pulse-explain in detail with algorithm.
3. Write in detail about Defibrillators, types of Defibrillators and give a detailed note on cardioversion.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Reversible causes following cardiac arrest.
2. Pulseless electrical activity and its causes.
3. Reperfusion therapy.
4. Tension pneumothorax-Clinical picture and management.
5. Targeted Temperature Management.
6. Primary survey in ATLS.
7. Steps employed for apnea testing for evaluation of brainstem functionality.
8. Rapid Response Team.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Amiodarone.
2. ETCO<sub>2</sub> uses and recommendations in Cardiac arrest.
3. Compression ventilation ratio in infant single rescuer and double rescuer.
4. MILS.
5. MEWS score.
6. AMPLE.
7. Adenosine.
8. DNR.
9. Ventilatory goals of Traumatic Brain Injury patients.
10. Cushing's Triad.

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