

**PRAVARA INSTITUTE OF MEDICAL SCIENCES  
(Deemed University)**

**Post Graduate Degree in Forensic Medicine (M.D)  
Examination May,2012**

**Paper –I**

**Paper Title : Basic Medical Sciences and allied  
subjects as applicable to Forensic Medicine  
and Toxicology**

**Date : 15<sup>th</sup> May 2012**

**Marks : 100**

**Time : 9.30 a.m. to 12.30p.m.**

**Instructions to candidate :**

1. All questions are compulsory.
2. Answer written in illegible handwriting will not be assessed.
3. Write answers on both sides of answer paper.
4. Neat diagrams must be drawn wherever necessary

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**Que 1.** Describe in detail 'fetal circulation', changes occurring during and after birth and its medicolegal significance. **Marks 20**

**Que 2.** Discuss the process of wound healing and factors influencing it. Add a note on its significance in medicolegal practice. **Marks 20**

**Que 3.** Define sudden death. Describe the gross anatomy of coronary circulation, causes of sudden death and histopathology of myocardial infarction. **Marks 20**

**Que 4. Write short notes on** **Marks 40**

- a) Biochemical changes in fresh water and salt water drowning.
- b) Movements of Hip, Knee and ankle joints and their significance in evaluation of physical impairment.
- c) Hyoid bone.
- d) Histological structure of stomach, duodenum, small intestine.