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Register Number

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(DIAGNOSTIC ULTRASONOGRAPHY)

(FIRST YEAR)

110: BASIC PHYSICS AND LIFE SCIENCES

Time: Three hours

Maximum: 100 marks

Answer any TEN questions

(10×10=100)

1. Explain the principles of Image formation in Ultrasound machine.
2. Explain the controls of Sonic display.
3. Embryology of cardiovascular system special reference to heart tubes and their fate.
4. Write the compartments of peritoneum with cross sectional diagram.
5. Explain respiratory regulation.
6. Explain the nodal stations and connections of Head and Neck region with diagram.
7. Development of female mammary gland.
8. Sterilisation procedures to be followed in USG room and biomedical waste disposal.
9. Classify and explain hypersensitivity reaction.
10. Anatomy and function of testis and Epididymis.
11. Cerebral foetal autopsy.
