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**6557**

Register Number

Name of the Candidate:

**M.Sc. DEGREE EXAMINATION, May 2015**

**(DIAGNOSTIC ULTRASONOGRAPHY)**

**(FIRST YEAR)**

**120: BIOSTATISTICS, BIOMEDICAL SCIENCES AND IMAGING**

Time: Three hours

Maximum: 100 marks

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**Answer any TEN questions**

**(10×10=100)**

1. Write short note on networking.
2. Write about current standards of DICOM.
3. Legal Issues and record maintenance in diagnostic Ultrasonography.
4. Explain statistical tests which can be utilized with studies involving USG of particular organ.
5. Write the ultrasound criteria to define complex mass.
6. Write the usefulness of different probes from head to foot.
7. Precautions to be taken for the safety of the probe and sonologist during scanning/doing intervention in a patient with highly communicable diseases.
8. Mention and explain the artefacts in Ultrasound imaging.
9. Explain hormone physiology biochemistry with growth arrest.
10. Enumerate newer antibiotics and explain two among them.
11. Enumerate drugs causing hepatotoxicity and their clinical symptoms.

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