

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

M.D. DEGREE EXAMINATION - May 2019

RADIODIAGNOSIS

**PART I – PAPER I : BASIC SCIENCES, MEDICINE, SURGERY,
BASICS PHYSICS**

Time: Three hours

Maximum: 100 marks

All question carry equal marks

- I. ANATOMY :** (2 x 5 = 10)
- 1 Radiological anatomy of the liver
 - 2 Embryology of GUT
- II. PATHOLOGY:** (2 x 5 = 10)
- 3 Pathology of ovarian tumors
 - 4 Pathology of hepatitis
- III. GENERAL SURGERY:** (2 x 5 = 10)
- 5 Evaluation of appendicitis
 - 6 Evaluation of dysphagia
- IV. GENERAL MEDICINE:** (2 x 5 = 10)
- 7 Acute aortic syndrome
 - 8 Evaluation of anaemia
- V. ORTHOPAEDICS:** (2 x 5 = 10)
- 9 Osteosarcome
 - 10 DDH
- VI. OBSTETRICS AND GUNAECOLOGY:** (2 x 5 = 10)
- 11 Placenta previa
 - 12 Functional cysts of the ovary
- VII. NEUROLOGY:** (2 x 5 = 10)
- 13 Primary effects of cerebral trauma
 - 14 Tranverse myelitis
- VIII. RADIATION PHYSICS:** (6 x 5 = 30)
- 15 Digital radiography
 - 16 Bold imaging
 - 17 Artefacts in ultrasound
 - 18 Safety specifications for a diagnostic X – ray unit
 - 19 Physics of 4D USG
 - 20 PET scanner
