

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

M.D. DEGREE EXAMINATION - October 2018

RADIODIAGNOSIS

**PART I - PAPER I : PHYSICS AND BASIC SCIENCES RELATED TO
RADIODIAGNOSIS**

Time: Three hours

Maximum: 100 marks

All questions carry equal marks

- I. ANATOMY :** (2 x 5 = 10)
1. Describe the anatomy of circle of Willis.
 2. Write briefly the embryological development of Heart.
- II. PHYSIOLOGY :** (2 x 5 = 10)
3. Pathology of Bronchogenic carcinoma
 4. Describe the etiopathology of ileocecal TB
- III. GENERAL SURGERY :** (2 x 5 = 10)
5. Gall stone ileus
 6. Diverticular abscess
- IV. GENERAL MEDICINE :** (2 x 5 = 10)
7. Causes and clinical features of pyelonephritis
 8. VSD
- V. ORTHOPAEDICS :** (2 x 5 = 10)
9. Osteochondroma
 10. Green stick fracture
- VI. OBSTETRICS AND GYNAECOLOGY :** (2 x 5 = 10)
11. Ca ovary
 12. Missed Abortion
- VII. NEUROLOGY:** (2 x 5 = 10)
13. CNS Toxoplasmosis
 14. Empty sella syndrome
- VIII. RADIATION PHYSICS :** (6 x 5 = 30)
15. Auto transformer
 16. Digital radiography
 17. CT detectors
 18. STIR sequence in MRI
 19. Intensifying screens
 20. Beam restrictors
