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MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. M.I.T. DEGREE EXAMINATION – DECEMBER 2017

SUBJECT: MIT 202: ADVANCED TECHNIQUES & INSTRUMENTATION OF COMPUTED TOMOGRAPHY

Monday, December 18, 2017

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

1. Briefly explain the procedure for CT Coronary angiography.

(20 marks)

2. **Short Notes:**

2A. CT Bronchoscopy

2B. Differentiate Single slice CT vs Multislice CT

2C. CT pediatric protocol for brain

2D. Expiratory HRCT

2E. CT post-processing techniques

2F. Slip ring technology

(10 marks × 6 = 60 marks)

