

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 2308

(OCTOBER 2020 EXAM SESSION)

M.Sc. NUCLEAR MEDICINE TECHNOLOGY

FIRST YEAR (From 2019-2020 onwards)

PAPER VIII – CLINICAL NUCLEAR MEDICINE TECHNIQUES I

Q.P. Code : 282308

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. What are the radionuclide studies for renal transplant evaluation. Describe the technique of renal transplant scintigraphy using Tc^{99m} DTPA.
2. What are the clinical indications for hepatobiliary scintigraphy? Write in detail the technique of scintigraphy in any one of them.

II. Write Short Notes on:

(10x6 = 60)

1. Diuretic renogram.
2. Three phase bone scintigraphy.
3. Perchlorate discharge test.
4. Gates' method of GFR estimation.
5. Stress myocardial perfusion study.
6. Parathyroid scintigraphy.
7. Precautions to be followed during radioiodine administration.
8. Scintigraphy for localization of gastrointestinal bleed.
9. Radionuclide ventriculography.
10. Patient preparation for 18F-FDG PET – CT study.
