

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

[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2513

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2019-2020 onwards)
PAPER III – NEWER AND IMAGING MODALITIES
*Q.P. Code : 282513***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Elaborate on PET CT.
2. Elaborate on functional MRI.

II. Write Short Notes on:

(10x6 = 60)

1. USG contrast imaging.
2. Fibro scan.
3. SWI Imaging.
4. Stereostatic biopsy.
5. MRI cardiac imaging.
6. CT cisternography.
7. CT perfusion imaging.
8. Triple phase imaging for liver lesions.
9. Renal isotope imaging.
10. Mammography.

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[AHS 1022]

OCTOBER 2022

Sub. Code: 2513

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2019-2020 & 2020-2021 onwards)
PAPER III – NEWER AND IMAGING MODALITIES**

Q.P. Code : 282513

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Digital subtraction angiography.
2. CT coronary angiography.

II. Write Short Notes on:

(10x6 = 60)

1. Elastography.
2. Newer MRI contrast.
3. MRI perfusion imaging.
4. Tissue harmonic imaging.
5. Dual energy CT.
6. Digital tomo synthesis.
7. X-Ray contrast mammography.
8. Fusion imaging.
9. High intensity focused ultrasound.
10. Parathyroid imaging.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 2513

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2020-2021 onwards)
PAPER III – NEWER IMAGING MODALITIES**

Q. P. Code: 282513

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Elaborate on:

(2 x 20 = 40)

1. Cardiac MRI.
2. Digital subtraction angiography.

II. Write notes on:

(10 x 6 = 60)

1. PET CT.
2. Tissue harmonic imaging.
3. MRCP.
4. Fluoroscopy guided interventions.
5. Diffusion tensor imaging.
6. MR Neurography.
7. Portable CT.
8. CT arthrogram.
9. MR mammogram.
10. Fibroscan.
