

PAPER CODE: 1280

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**

WARANGAL, TELANGANA STATE – 506 007

PG DIPLOMA EXAMINATIONS, APRIL – 2019

DIPLOMA IN RADIODIAGNOSIS (DMRD)

PAPER – I

BASIC SCIENCES RELATED TO RADIOLOGY AND GENERAL PHYSICS

Max Marks: 100

Time: 3 hours.

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write Short essay on the following:

4 X 15 = 60

1. Image intensifier; discuss its principles & uses in radiological practice
2. Factors affecting quality of radiographic image
3. Magnetic resonance imaging (MRI), contrast medias
4. High frequency transducers

Write short note on:

4 X 10 = 40

5. H & D curve
6. Multi-detector CT
7. Mammography
8. Thallium scanning

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PAPER CODE: 1281

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**  
WARANGAL, TELANGANA STATE – 506 007  
PG DIPLOMA EXAMINATIONS – APRIL – 2019  
DIPLOMA IN MEDICAL RADIOLOGICAL DIAGNOSIS (DMRD)  
PAPER – II  
DIAGNOSTIC RADIOLOGICAL AND NUCLEAR MEDICINE

**Time: 3 hours.**

**Max Marks: 100**

**Note: Answer all questions.**

**Give Diagrammatic representation wherever necessary.**

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**Write Short essays on the following:**

**4 X 15 = 60**

1. Name the various interactions of X-ray photons with matters & discuss any two
2. Applications of diffuse tensor imaging'
3. What are isotopes? Write in detail about single photon emission computer tomography (SPECT)
4. Grids in radiography

**Write short note on:**

**4 X 10 = 40**

5. Ultrasonography of rotator cuff
6. Imaging of endometrium, disease & normal variant
7. Fallopian tube recanalization
8. Interventional radiological procedures in biliary tract

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PAPER CODE:1282

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**

WARANGAL, TELANGANA STATE – 506 007

PG DIPLOMA EXAMINATIONS – APRIL – 2019

MEDICAL RADIOLOGY DIAGNOSIS

PAPER – III

DIAGNOSTIC RADIOLOGY

**Time: 3 Hours.**

**Max Marks: 100**

**Note: Answer all questions.**

**Give Diagrammatic representation wherever necessary.**

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**Write Short essay on the following:**

**4 X 15 = 60**

1. Enumerate small intestinal neoplasms & how do you evaluate them?
2. Classify the posterior cranial fossa tumours. Write imaging techniques & role of MRI (magnetic resonance imaging) & CT (computer tomography) in their evaluation
3. Retinal detachment
4. Imaging of solitary pulmonary nodule

**Write short note on:**

**4 X 10 = 40**

5. Colour Doppler evaluation of varicose veins in leg
6. Mucopolysaccharides, types & radiological features
7. Polycystic ovarian syndrome (PCOS)
8. Dentigerous cyst

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