



BB-2106121401010001

M. D. (Radio Diagnosis) (Sem. VI) Examination

April - 2022

Anatomy & Physics : Paper - I  
(Medical Radiology & Basic Medical Sciences)

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लक्षवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
☛ M. D. (Radio Diagnosis) (Sem. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ Anatomy & Physics : Paper - I	<input type="text"/>
☛ Subject Code No. :	Section No. (1, 2,.....) : <input type="text"/>
<input type="text"/>	<input type="text"/>
2 1 0 6 1 2 1 4 0 1 0 1 0 0 0 1	Student's Signature

- (2) All questions are compulsory.
- (3) Answer written in illegible handwriting will not be assessed.
- (4) Write answer in both sides of the answer paper.
- (5) Neat diagrams must be drawn wherever necessary.
- (6) Write prescription where indicated and in use of drugs and their doses should be given.

- 1 Describe normal anatomy and variants of lower limb venous system and role of radiologist in treatment of varicose vein. **20**
- 2 Describe various MRI sequences and their application with recent advances. **20**
- 3 If the permissible radiation doses for all persons working in a particular DSA lab came high, what are likely causes of this increased radiation and what measures will you take to reduced it ? **20**
- 4 Short notes : **40**
  - (a) Image reconstruction
  - (b) Elastography
  - (c) MRI Artifacts
  - (d) CT anatomy of neck spaces (Diagrams only)



BB-2106121401020001

M. D. (Radio Diagnosis) (Sem. VI) Examination

April - 2022

Diagnostic Radiology : Paper - II

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अग्रश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
☛ M. D. (Radio Diagnosis) (Sem. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ Diagnostic Radiology : Paper - II	<input type="text"/>
☛ Subject Code No. :	Section No. (1, 2,.....):
2 1 0 6 1 2 1 4 0 1 0 2 0 0 0 1	NIL
	Student's Signature

- (2) All questions are compulsory.
- (3) Neat diagrams must be drawn wherever necessary.
- (4) Write answer on both sides of answer book.
- (5) Answer written in illegible handwriting will not be assessed.
- (6) Write prescription where indicated and in use of drugs and their doses should be given.

- 1 Describe the role of CT and angiography in facial injuries. 20
- 2 Discuss the anatomy of CP angle. Discuss imaging features of various space occupying lesions in this region. 20
- 3 Describe imaging features of gastric carcinoma. 20
- 4 Write short notes on : 40
  - (a) Acute pancreatitis
  - (b) Coarctation of aorta
  - (c) Unilateral proptosis
  - (d) Carpal tunnel syndrome.



BB-2106121401030001

M. D. (Radio Diagnosis) (Sem. VI) Examination

April - 2022

Paper - III : Radiographic & Radiological  
Techniques & Recent Advances

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशवले निशानीवाणी विषयको उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book. Name of the Examination : M. D. (Radio Diagnosis) (Sem. VI) Name of the Subject : Paper - III : Radiographic & Radiological Techniques & Recent Advances Subject Code No. : 2 1 0 6 1 2 1 4 0 1 0 3 0 0 0 1	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Student's Signature
--	--

- (2) All questions are compulsory.
- (3) Neat diagrams must be drawn wherever necessary.
- (4) Write answer on both sides on answer book.
- (5) Answer written in illegible handwriting will not be assessed.
- (6) Write prescriptions where indicated and in use of drugs and their doses should be given.

- 1 Explain causes of rib notching and describe coarctation of aorta. 20
- 2 Describe role of imaging in seizure disorders. 20
- 3 Describe role of imaging in peripheral venous disorders. 20
- 4 Write short notes on :
  - (a) Renal papillary necrosis 10
  - (b) Pulmonary sequestration 10
  - (c) Carotico-cavernous fistula 10
  - (d) Pancreatic pseudocyst. 10



BB-2106121401040001

M. D. (Radio Diagnosis) (Sem. VI) Examination

April - 2022

Paper - IV : General Medicine & General Surgery  
as a Applicable to Radio-diagnosis

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> M. D. (Radio Diagnosis) (Sem. VI)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Paper-IV : Gen. Medi. & Gen. Surgery as a Applicable to Radio-diagnosis	<input type="text"/>
Subject Code No. :	<input type="text"/>
Section No. (1, 2,.....) <input type="checkbox"/> NIL	
<input type="text"/> 2 1 0 6 1 2 1 4 0 1 0 4 0 0 0 1	Student's Signature

- (2) All questions are compulsory.
- (3) Answer written in illegible handwriting will not be assessed.
- (4) Write answer in both sides of the answer paper.
- (5) Neat diagrams must be drawn wherever necessary.
- (6) Write prescription where indicated and in use of drugs and their doses should be given.

- 1 Discuss role of radiologist in imaging of a patient with hemoptysis. 20
- 2 Discuss various indication, techniques, advantages and limitations of MRI in imaging of breast cancer. 20
- 3 Enumerate various causes of unilateral painful hip in a 10 years old child. Discuss the role of imaging in any two pathologies. 20
- 4 Short notes : 40
  - (a) Budd chiari syndrome
  - (b) Congenital hyperplastic pyeloric stenosis
  - (c) Vasico-ureteric reflux
  - (d) HRCT of Paranasal sinus.