

MVPS DR. VASANTRAO PAWAR MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTER VASANTDADA NAGAR, ADGAON, NASHIK,422003

Department of Radio diagnosis

2.5.4 Midcourse Improvement

The Institute Has Defined Policy Documents To Provide Opportunities To Students For Midcourse Improvement Of Performance Through Specific Interventions.

<u>PG</u>

Year	Timely Administration Of CIE	On Time Assessment And Feedback	Make Up Assignments/ Tests	Remedial Teaching Support
2015-16	Yes	Yes	No	No
2016-17	Yes	Yes	No	No
2017-18	Yes	Yes	Yes (01)/	Yes (04)
2018-19	Yes	Yes	No	No
2019-20	Yes	Yes	No	No

HOD

Department of Radio diagnosis

DEPT. OF RADIOLOGY

Dr. Vasantrao Pawar Medical College
Hospital & Research Center, Adgaon, Nashik

Department of Radio diagnosis

Repeat Examination

Radiation Physics, Protective Measures and Physics Involving Imaging Techniques and Related Basic Sciences e.g. Anatomy, Physiology and Pathology - I

Date- 09/04/2018

Duration: 3 Hour

Total Marks-

100

Instructions:

- 1. Use blue/black ball point pen only.
- 2. **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort unfair means.
- 3. All questions are compulsory.
- 4. The number to the right indicates full marks.
- 5. Draw diagrams wherever necessary.
- Describe the anatomy of para nasal sinuses and variants with a neat and labeled diagram. Explain the role of CT in imaging paranasal sinus pathology.
 25 Marks
- Describe the various types of X ray tube. Mention the details of rectifiers.
 Marks
- 3. Short Notes (Any five)
 Marks

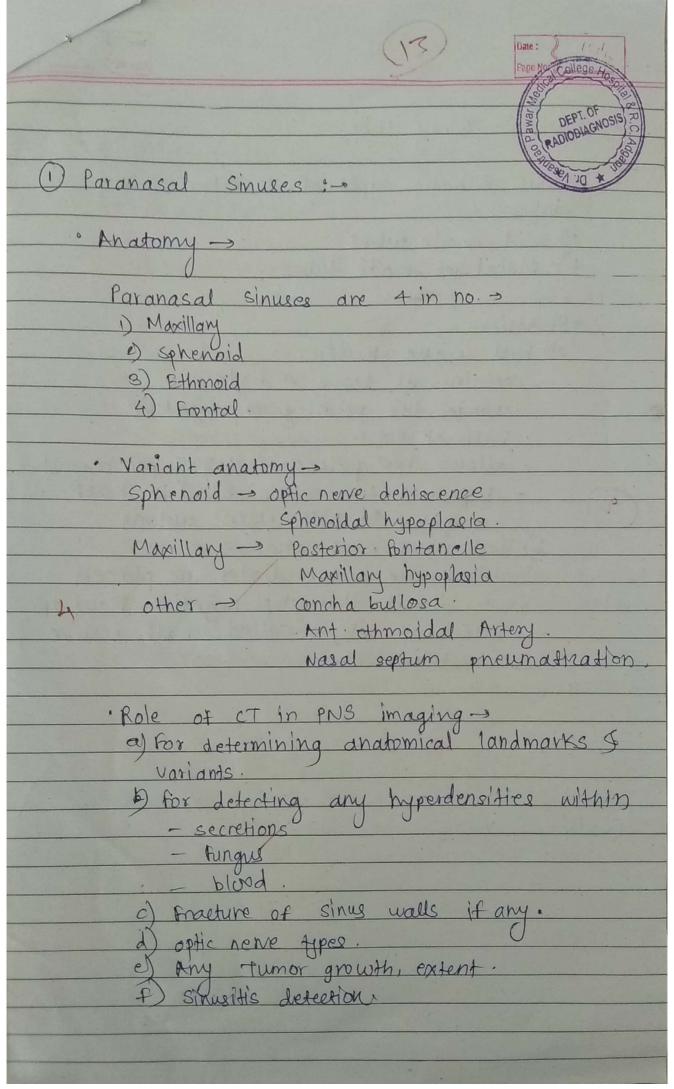
5x10=50

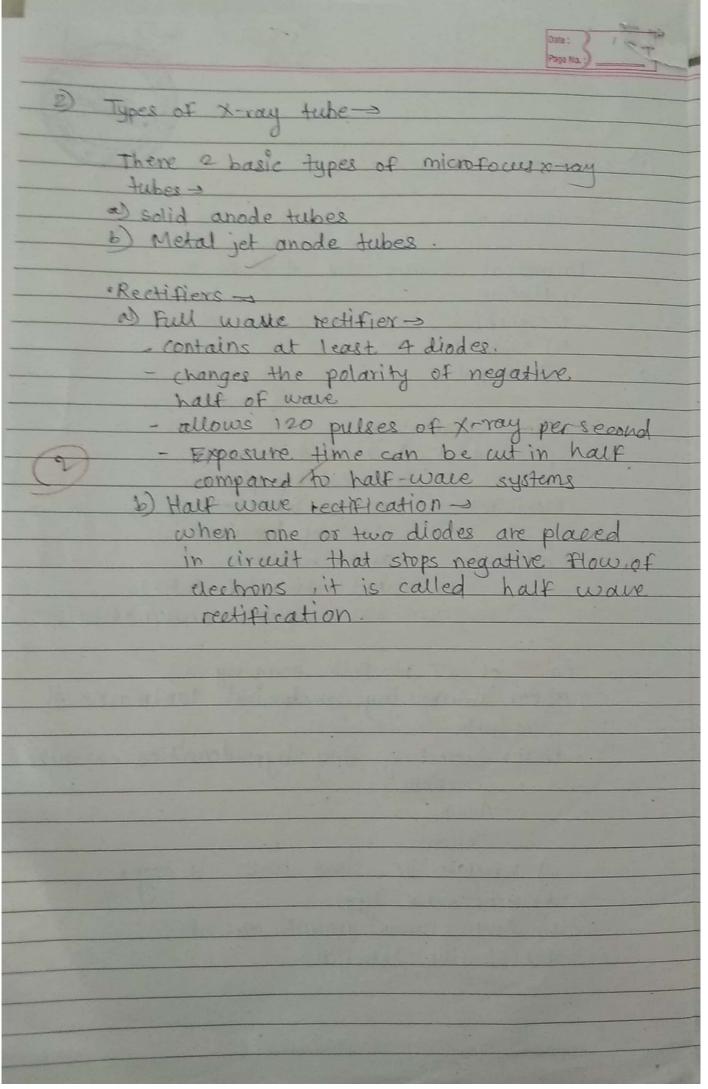
- 1. Compton Effect.
- 2. Construction and Design of Imaging Plate (CR Cassette).
- 3. USG Contrast Media.
- 4. Radiation Hazards.
- 5. Transducer.
- 6. Pulse sequence in MRI.



DR.VASANT PAWAR	DR.VASANT PAWAR MEDICAL COLLEGE, NASHIK-422 003		
NAME OF DEPARTMENT	Radiology		
NAME OF COURSE	DMRD.		
NAME OF CANDIDATE	Prashant Patil		
PAPER No.	one		
DATE	09/04/2018		
SIGNATURE OF INVIGILATOR	. 80		

QUESTION NO.	MARKS OBTAINED	OUT OF (MAXIMUM)
1	,	OUT OF (MAXIMUM)
2	9	25
	2,	25
 3 (BEST 5)		(50)
 A	2	10
8		10
С		10
D	1	
E		10
Ē	7	10
		10
TOTAL MARKS	13	100
SIGNATURE OF EXAMINER	N	9







	Date: /
1) compton effect 3.	
Process in which photons i "Free" atomic electron binding energy of electron less than energy or born photon.	nteracts ? at is the is much barding
incident Scattered photon.	Reeoil electron
3) USG contrast media 3 a) Targeted - enthanced USG b) non-targeted - enhanced USG	
composed of microbubbles. They have high degree of ee	hogenfully.