

FINAL EXAM  
JUNE 2013

NATIONAL BOARD OF EXAMINATIONS

**RADIODIAGNOSIS****PAPER - IV****Please read carefully the important instructions mentioned on Page '1'****PART B**

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| 6.  | a. Rare Earth screen<br>b. Green Sensitive Film<br>c. Dual energy substractions  | 3+3+4   |
| 7.  | Define Roentgen. Mention various recommendations of maximum permissible dose for patients and staff members of the Radiology department. | 2+(4+4) |
| 8.  | Enumerate various interactions of X-ray photons with matter. Discuss any two in detail with their significance in Radiology department.  | 3+(3+4) |
| 9.  | Discuss the following:<br>a. Bold Imaging<br>b. Genetic Screening<br>c. PACS in Radiology  | 3+3+4   |
| 10. | Describe AERB guidelines for X-ray and CT installation.  | 5+5     |

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