| QI | P CODE: 303018 Reg. No |
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| TI | nird Year B.Sc MRT Degree Regular/Supplementary Examinations August 2019 |
| Tir | Radiation Physics II ne: 3 Hours Max Marks: 100 |
| | Answer all questionsDraw diagrams wherever necessary |
| Es | says: (3x10=30) |
| | Describe in detail about image verification techniques in EBRT. With neat diagrams explain the functions of a Linac |
| | Define PDD and TAR and explain the different parameters influencing them ort notes: (8x5=40) |
| 4. | GM Counter |
| 5. | SRS and SRT treatment techniques |
| 6. | Explain the effect of wedges on a iso-dose curve with diagram. |
| 7. | Characteristics of ideal brachytherapy source. |
| 8. | Pocket Dosimeter |
| 9. | Intra cavitary simulation procedure |
| 10 | Shutter mechanism in tele cobalt machine |
| 11 | Virtual simulation. |
| Ar | swer briefly: (10x3=30) |
| 12 | Integral dose |
| 13 | DRR |
| 14 | Define PTV. |
| 15 | Electron shielding preparation |
| 16 | Surface moulds |
| 17 | Biological half life |
| 18 | Parameters involved in treatment time calculation of 2D SSD technique |
| 19 | Phantom |
| 20 | PET |
| 21 | Dynamic wedge |
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