



PAC-5124

Seat No. _____

M. D. (Branch-XV) Examination

July – 2020

Radiotherapy : Paper-III

Time : 3 Hours]

[Total Marks : 100

Instructions :

- (1) Write legibly, no marks are given for unreadable material.
- (2) Figures to the right indicate full marks.
- (3) Answer to the point.
- (4) All questions carry equal marks.

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|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1 | Discuss Cranio-spinal Irradiation in details and techniques used for it. Discuss the role of CSI in medulloblastoma. | 20 |
| 2 | Discuss the rationale for elective nodal irradiation. Mention tumor types in which it is used and describe a technique for one particular tumor site. | 20 |
| 3 | Discuss the contouring guidelines for pelvic lymph nodes. Describe IMRT planning in carcinoma prostate. | 20 |
| 4 | Attempt both (a) and (b) :
(a) Indications, technique, dose and precaution to be taken while planning TBI.
(b) AIDS related Malignancy. | 20 |
| 5 | Write short notes :
(a) Pelvic trapezoid.
(b) International Prognostic Index in lymphoma.
(c) Para aortic lymph node involvement in carcinoma cervix.
(d) Long term side effects of PCI in children with ALL. | 20 |