

Rajiv Gandhi University of Health Sciences

II Year M. Sc Medical Imaging Technology - OCT-2019

[Time: 3 Hours]

[Max. Marks: 80]

Interventional Radiology Techniques

Q.P. CODE: 9546

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer Any Two)

2 X 10 = 20 Marks

1. Explain about the principle of DSA.
2. What are the radiation safety to be followed in Cath lab?
3. Explain about diagnostic and therapeutic interventional procedures. Explain PTBD in detail.

SHORT ESSAY (Answer Any Eight)

8 X 5 = 40 Marks

4. Image intensifier
5. Role of Radio frequency ablation
6. Transcatheter brush biopsy
7. Seldinger technique
8. Discuss about road map subtracted and non-subtracted angiography.
9. Direct puncture embolization
10. Angioplasty balloons
11. Procedures done for AVM
12. Quality assurance tests done for DSA equipments
13. Antegrade ureteric stent

SHORT ANSWERS (Answer Any Ten)

10 X 2 = 20 Marks

14. Masking
15. Vascular plugs
16. Maintenance of IR room
17. Pigtail catheter
18. Indication of PTBD
19. Block diagram of image intensifier
20. Name neurointerventional procedures
21. Barrier nursing technique
22. Pixel shifting
23. Pressure injector
24. Carotid angioplasty
25. Radiation protective devices
