

**Time - 3 Hour**

**MM-70**

The question paper contains 3 printed pages.

Q1. Write short notes on any 8.

(Each carries 6 marks) Total Marks 48

1. Quality Assurance program of Imaging Department.
2. Layout & Design of a CSSD.
3. Process flow of Blood Bank. (Make a pictorial Diagram too)
4. Structural Requirements of a Nuclear Medicine Department.
5. Drug Distribution Systems.
6. What is the importance of a Medical Record Department?
7. Quality Assurance of a Pathology Lab.
8. Role of a Radiation Safety Officer & Radiation Safety Measures
9. Process flow of a patient advised an MRI Scan.
10. List all Quality indicators for Departments of Rehabilitation and MRD.

Q 2. Pick the correct answer.

(Do all. Each carries 1 mark) Total Marks 22

1. As per Medical council of India guidelines all medical records must be retained for a minimum period of
  - a. 10 years
  - b. 5 years
  - c. 3 years
  - d. Life time
2. The Test performed to validate machine autoclaving is:
  - a. Chemical indicator Test
  - b. Settle plate method test
  - c. Bowie Dick Test
  - d. None of the above
3. In Nuclear Medicine, area with dangerous radiation intensity is
  - a. Patient support area
  - b. Hot area
  - c. Diagnostic area
  - d. None of the above
4. NBTC stands for
  - a. National Blood Transfusion Council
  - b. National Blood Transfusion Centre
  - c. National Blood Transport Centre
  - d. National Blood Transfusion Control
5. Quality assurance of a Blood bank is determined by:
  - a. The number of blood units donated
  - b. The accuracy of blood tested
  - c. Monitoring post transfusion reactions
  - d. None of the above.

6. The sequence of steps in the blood donation process are: -
- Refreshment, Registration, Health History, Donation
  - Registration, Health History, Donation, Refreshment
  - Donation, Refreshment, Health History, Registration
  - Health History, Donation, Registration, Refreshment
7. Which is not a type of Radiotherapy?
- Brachy therapy
  - Tele therapy
  - Tachy therapy
  - Ortho voltage therapy
8. The chest stand in an X ray room should be placed: -
- In the direction of the primary beam
  - Near the Dark Room
  - Near any Window or Door
  - All the above
9. The following aspects take care of proper planning of a Sterilization Department.
- Zoning
  - Asepsis
  - Ventilation
  - All of the above
10. Use of Gamma Knife is done in the following department: -
- Nuclear Medicine
  - Radiology
  - Laboratory
  - All the above
11. ISO Standards for laboratory is: -
- 15179
  - 15180
  - 15189
  - 15188
12. The correct sequence of workflow of CSSD would be: -
- Issue area---Clean area---Dirty area---Sterile area
  - Dirty area---Clean area---Sterile area---Issue area
  - Clean area---Issue area---Dirty area---Sterile area
  - Sterile area---Issue area---Clean area---Dirty area
13. Radiation safety for personnel is checked by
- Top Management
  - Radiologist
  - Monitoring of TLD badges
  - None of the above
14. The shelf life of linen packed in a cloth would be: -
- 24hours
  - 96 hours
  - 12 hours
  - None of the above
15. TLD stands for: -
- Thermo luminescent device
  - Thermal light device
  - Thermo luminescent dosimeter
  - None of the above

16. Confidentiality of medical records is responsibility of
- Nurse In charge
  - Doctor In charge
  - Either a. or b.
  - Both a and b.
17. Incubation of spores of bacillus stearothermophilus is a test for
- Temperature control
  - Pressure control
  - Temperature control & Pressure control
  - Bacteriological validation of sterilized load
18. Design of Imaging Department need to be passed by
- AERB
  - National Building Code
  - BIS
  - PWD
19. Blood bank should be located in the near vicinity of
- OT
  - OPD
  - Emergency services
  - All of the above
- 20 The Quality Assurance level in a lab is
- Pre Analytical
  - Analytical
  - Post Analytical
  - All the above.
21. Sterilization activities of the hospital can be effectively controlled by
- Provision of CSSD
  - OT Matron
  - Surgeon In charge
  - Management
22. Radiation Hazards is associated with all except
- X Ray
  - MRI
  - Nuclear isotopes
  - CT scan