

(Q) Submitted By: ~~Mam Atoqia Aqmat~~
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(Q) Submitted To: mam: Atoqia Aqmat.

(Q) Assignment :- (viva) R. protection.

(Q) ID : 10822-

Q3-2

Radiation protectionMeasures :-

→ Design the Radiology Department.

→ give great attention

The location of x-ray Room.

→ Adjoining room is also

important geared toward

radiation safety.

→ use sheet of lead in

in examination Room well

(P-10)

(2)

→ also use Shield on Floor.

→ power Coated Steel.

→ Sliding ~~Room~~ door.

→ window ~~is~~ available.

→ window are lead safety glass.

Q.1:-

Role of Radiation protectionOfficer:-

- No x-ray exam without a written Request of Physician.
- Identify the patient.
- Inform the patient.
- Verify that the female patient is non pregnant.
- Perform regular quality control radiological equipment.
- Take record of patient dose.

(P-T-O)

(4)
→ optimized protocol &

patient protection.

→ equipment maintenance.

→ perform patient dose

Assessment.

→ participate in optimization

of image protocol.

→ Contribute to the radiation

protection training programme.

Q. 4:

Technologist protect your
Self for Radiation :-

1) Time :- limiting or minimizing
the exposure time

2) Distance :- increase your
distance -

3) Shielding :- Barriers of lead
provide protection
from Radiation.

4) Set the equipment and
go behind the protective
wall.

(P-T-U)

(6)

→ use Face Shield &

lead aprone.

→ protective gloves.

2:45 → 3:15

Radiation Hazard :-

1) Radiation damage living tissue or the human Body.

2) Burning of Skin.

(P-1-0)

(7)

1) The Thyroid gland is most sensitive part. Can Thyroid Cancer.

2) lead to Cancer :- damage DNA of tissue and ~~able~~ able to reproduce and lead to Cancer. (ionizing radiation)

3) Some time loss of hair

4) Failure of internal organ.

5) Radiation poisoning :- high amount of (ionizing Radiation)

(P- ^{131}I)

(8)

exposed short period of
time symptoms can start
an hour and may several
mouth :- Fats, Nausea, vomiting
loss of appetite few
week and lead to ~~death~~
Death.

2) Also effect Bone marrow.

3) Stochastic effect.
This is
the most common effect.

(Cancer) leukemia.

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