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Assignment # Radiation - protection

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Q No:1 #

Ans: ² Role of Radiation

Protection officer:

A Radiation protection officer (RPO) is a specialist in radiation safety and compliance matters and is an appointed position within university "health" and "safety" services.

The role of the RPO is to support the university work with ionising radiation by ensuring arrangements are in place to manage radiation risks so that work is carried out safely and in compliance with Regulation and also that university employees

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and the public are protected from harmful effects.

Three role involved:

- Acting as the point of contact within the university for the external Radiation Protection
- Arranging for disposal of radioactive waste to authorised contractors.
- Managing inventory of equipment capable of emitting X-rays.
- Advising on training in radiation safety. etc

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Q.No 3 #

Ans: Radiation Protection

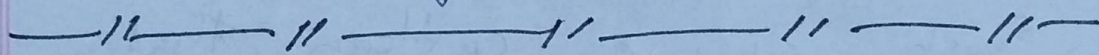
measure in a safe radiology.

Radiology uses techniques such as X-ray imaging to detect and diagnosis disease and injuries, manage patient care and guide many forms of medical treatment.

Because X-rays involve ionizing

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radiation that can deposit energy in human cells and cause tissue changes it is important to minimize any associated risk to the patient this is done by limiting the radiation exposure to the minimum required to create the clinical images needed to answer the medical question.



QNo: 3 #

Answer Prevention of radiation

hazards:

uses time, Distance and shielding to protect yourself.

putting distance and shielding between you and a radiation source is an

immediately effective way of reducing your exposure.

Reducing the time you are being exposed is another way use a.

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Respirator or Force Mask
if you are exposed to
airbone sources.

Q No: 4 #

Ans: → Radiology technologist

Protection:

During these Imaging Procedure
radiologic technicians leave
the room or stand behind
a protective shield
such as a curtain that
is designed to keep out
radiation. Technologist also
wear shielding devices
such as lead aprons, gloves
goggles and masks for radiation
protection whenever.

Radiation annual occupational
dose:

standards for protection against

Radiation. The limit dose

for radiation workers. The limit
very depending on the affected part
of the body. The annual total 5000mrem.