

Name

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I.D

15022

Assignment

Radiation
protection

Date

Sub to = Attoofah Azmat.

(Q1) Describe the role of radiation protection officer in radiology department.

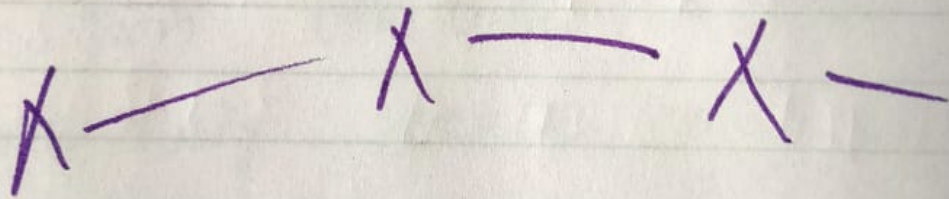
Ans A Radiation protection officer (RPO) is a specialist in radiation safety and compliance matters and is an appointed position ~~with~~ within ~~the~~ University Health and Safety Services. Acting as the point of contact with ~~in~~ the University for the external Radiation Protection Adviser RPA.

Department of Radiology
(Diagnostic and Interventional Radiology)

Department of Radiology hosts internationally experienced doctor to provide the best quality imaging.

(2)

diagnostic and treatment
services in an efficient
environment ensuring maximum
care patient safety and
quicker recovery of
the patients.

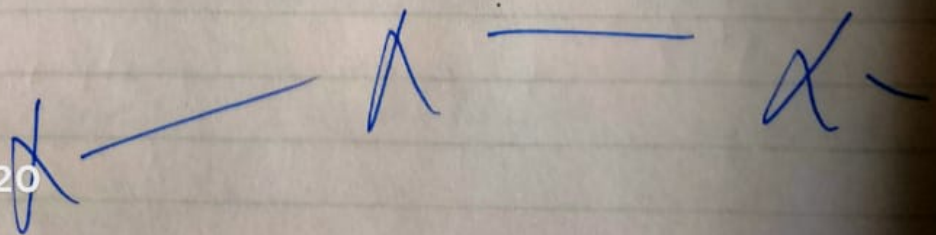


(3)
Q2. Elaborate the radiation protection measure in a safe radiology department.

Ans. Fundamental to radiation protection is the avoidance or reduction of dose using the simple protective measures of time distance and shielding. The duration of exposure should be limited to that necessary the distance from the source of radiation should be maximised and the source shielded whenever possible.

4

Safety in the radiology
Department Traits of
high reliability organizations
can help radiology
department stay safe
Radiology as with
other areas of health
care does complex
work in which
mistakes can cause
great harm.



(5)

Q3 What are radiation hazards one should be beware of?

Ans Beyond certain thresholds radiation can impair the functioning of tissue and/or organ and can produce acute effect such as skin redness hair loss radiation burns or acute radiation syndrome. These effects are more severe at higher doses and higher doses rates.

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Qy (b)
How a radiation technologist
can protect himself/herself
from radiation is annual
occupational dose?

Ans During these imaging procedures
radiologic technicians leaves
the room or stand behind
a protective shield such
as a curtain that is
designed to keep out
radiation. Technicians also
wear shielding devices
such as lead aprons
gloves, goggles and mask
for radiation protection
whenever necessary.

$\alpha - \beta - \gamma$