

Q1.(2018)

a)

C

b)

radio waves have a longer wavelength than ultraviolet

c)

(risk of) skin cancer

or

(prematurely) ageing skin

d)

risk is higher (for X-ray of uds than X-ray of chest)

by a factor of 50

or

risk calculated for each type of X-ray

chest X-ray = 1:200 000 (1)

uds = 1:4000 (1)

Q2.(2019)

B

Q3.(2020)

D

Q4.(2021)

B

Subtopic: Electromagnetic spectrum

<http://www.pcfgstudy.com>

Q5.(2022)

a)

D

C

b)

A $400 - 315 = 85 \text{ (nm)}$

B $315 - 280 = 35 \text{ (nm)}$

C $280 - 100 = 180 \text{ (nm)}$

(ultraviolet) C (UVC)