

1.3 Briefly describe the beta decay process and give two radionuclide nuclear equations decay by beta emitting. **(25 marks)**

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1.4 List four (04) radionuclides used in medicine with their half lives. **(20 marks)**

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2. 2.1 Name four (04) methods of manufacturing radiopharmaceuticals **(20 marks)**

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2.2 Draw a labeled diagram of a Molybdenum generator and explain the function of it. **(30 marks)**

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2.3 Briefly explain any two (02) important aspects in the formulation of radiopharmaceuticals. **(20 marks)**

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2.4 List protective tools necessary when handling radiopharmaceuticals **(30 marks)**

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