



Professional Qualification in Public Health Management Level 4 Diploma

UNIT 1 – INTRODUCTION TO SCIENCE FOR PUBLIC HEALTH

Question 1

Describe the structure of the human ear. (8 marks)

Explain how the structure of the ear relates to its functions of hearing and balance. (12 marks)

Question 2

Outline the structure of proteins. (6 marks)

Explain the functions of enzymes in the human body, giving at least ONE example of an enzyme. (14 marks)

Question 3

State what is meant by a 'vector' for a communicable disease, giving at least **ONE** example of a vector. (6 marks)

Discuss a range of ways that microbes, such as bacteria and viruses, can be transmitted. (14 marks)

Question 4

Explain what is meant by 'environmental determinants of health', giving at least **THREE** examples. (10 marks)

Melina and her three brothers are all children aged under 8 years old, who live with their parents in a remote area with no access to clean water. Discuss the health implications of unsafe water for this family's health. (10 marks)

Question 5

Violet and Sarah are both pregnant with their first child. Violet lives in a low income country whereas Sarah lives in a high income country. Assess the potential impact of their countries' economies on Violet and Sarah's access to healthcare. (20 marks)