



**Professional Qualification in  
Public Health Management  
Level 4 Diploma**

**UNIT 1 – INTRODUCTION TO SCIENCE FOR PUBLIC HEALTH**

Question 1

- (a) Describe the role of hormones in puberty and menstruation. (10 marks)
- (b) Describe the role of hormones in pregnancy and childbirth. (10 marks)

Question 2

- (a) State what is meant by a cell in the human body. (4 marks)
- (b) Explain the structure of a human body cell and the structures and functions of at least **THREE** organelles. (16 marks)

Question 3

Discuss the importance of microbiology in understanding human disease. (20 marks)

Question 4

- (a) Explain what air pollution is, giving at least **TWO** examples. (6 marks)
- (b) Michael has asthma, a respiratory disease which is made worse by air pollution. Assess the likely impact on Michael's health and life if he was living in an area with high air pollution compared to living in an area with low air pollution. (14 marks)

Question 5

- (a) State what is meant by economic determinants of health. (4 marks)
- (b) Assess the impact of economic factors on human health in your local area. (16 marks)