FROM WACE 2014

### Question 40 (20 marks)

An elderly man visited the doctor and was diagnosed with osteoarthritis in his left hip joint. The doctor needed to inform the man about the disease and how it could be treated.

1. Summarise the information about osteoarthritis that the doctor would have provided to the man. Include in your answer the possible causes and risk factors that could lead to developing the disease, its effects on the body and the treatment options for osteoarthritis sufferers. (11 marks)
2. The hip joint is classified as a synovial joint. Name and describe **four** different types of synovial joints and identify to which one of these types the man’s affected hip joint

belonged. (9 marks)

# Question 37 WACE 2013 (10 marks)

1. Vertebrae are joined by cartilaginous joints.
   1. Name the type of cartilage that joins vertebrae to each other. (1 mark)
   2. Describe how the structure of the cartilage referred to in part (a) (i) suits its function. (2 marks)
2. With reference to the structure of both cartilage and bone, determine which would heal faster following injury. Justify your answer. (4 marks)
3. Osteoarthritis is a condition that is more likely to occur as people age. Describe **three**

effects of this condition. (3 marks)