



## **JUNE EXAMINATION**

**PROGRAMME** : HUMAN MOVEMENT STUDIES  
**MODULE NAME** : EXERCISE PHYSIOLOGY  
**MODULE CODE** : OFF OA02 / EXP 2AB1  
**DATE** : JUNE 2014  
**DURATION** : 1 HOUR  
**TOTAL MARKS** : 50 MARKS

---

**EXAMINER** : MS L VAN ROOY  
**MODERATOR** : PROF B SHAW  
**NUMBER OF PAGES** : TWO (2) PAGES

---

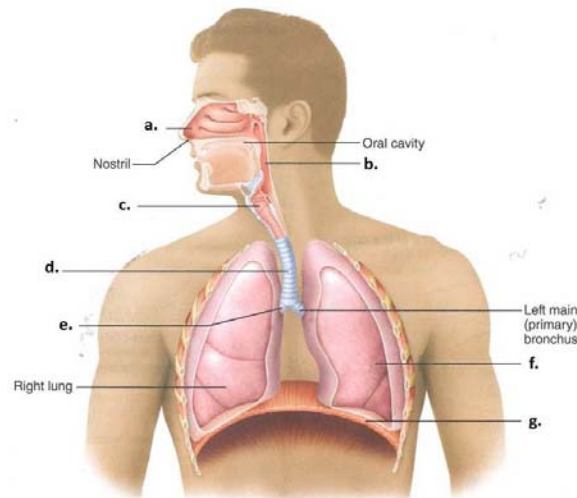
### **INSTRUCTIONS TO CANDIDATES:**

**MAKE SURE THAT YOU HAVE THE COMPLETE PAPER.**

**ANSWER ALL THE QUESTIONS.**

---

### **QUESTION 1**



- 1.1. Provide a suitable heading for the above illustration. [1]  
1.2. Provide labels for the structures a. to g. [7]  
1.3. Name the brain areas involved in control of respiration. [2]  
**[10]**

### **QUESTION 2**

- 2.1. What does the term ECG stand for? [1]  
2.2. What is the purpose of an ECG? [2]  
2.3. What does the P wave, QRS complex and T wave represent? [3]  
**[6]**

### **QUESTION 3**

Describe normal heart sounds and explain how heart murmurs differ from normal sounds. **[8]**

### **QUESTION 4**

Describe the three (3) layers that form the wall of the blood vessel and state the function of each. **[9]**

### **QUESTION 5**

Describe the process of gas exchanges in the lungs and tissues. **[10]**

### **QUESTION 6**

- 7.1. Define pulse. [1]  
7.2. Name three (3) pulse points. [3]  
7.3. List three (3) factors that can increase blood pressure. [3]  
**[7]**

**TOTAL: 50**