

7. (i) Briefly describe the following system software stating the category of each:

- (a) Compiler,
- (b) Debugger,
- (c) File compression,
- (d) Interpreter.

(4 marks)

(j) State FOUR functions of an operating system which manage a computer's resources.

(4 marks)

(k) Define the term interrupt. State one scenario in which an interrupt is used in the management of an operating system.

(2 marks)

(iv) (a) What is a pass device?

(1 mark)

- (b) Write a pseudo-code that request marks for 5 subjects and calculates the average assuming all subjects have equal coefficients. *Note: the average is given by total marks/5 in this case*

(6 marks)

8. (i) Briefly describe the following systems as used in ICT, giving an example of each:

- (a) Monitoring system,
- (a) Control system

(6 marks)

(ii) With respect to computer usage, what is ergonomics?

(1 mark)

(iii) Describe two ways that can be taken to prevent:

- (a) Carpal tunnel syndrome (CTS),
- (b) Eye strain.

(4 marks)

(iv) Distinguish between protection and security, giving an example of each.

(4 marks)

(v) Describe how transfer of funds is accomplished in E-commerce.

(2 marks)

9. (i) Define the following terms:

- (a) Process
- (b) Interrupt
- (c) Deadlock

(6 marks)

(ii) List two major activities of an operating system with respect to:

- (a) Memory management
- (b) Secondary storage management.

(4 marks)

(iii) Distinguish between multiprocessing and multiprogramming.

(4 marks)

(iv) (a) What is telemedicine?

(1 mark)

- (b) Name TWO benefits of telemedicine to remote communities in Cameroon.

(2 marks)