

Master Copy
gvt
I

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MSc (BIOMEDICAL INFORMATICS) END OF SEMESTER III
EXAMINATION – JANUARY 2017

Date :- 20th January 2017

Time :- 2.00 p.m. – 3.00 p.m.

SEQ PAPER

Answer all questions.

Answer each part in a separate book.

Part A

1.
 - 1.1. Define the term “disease surveillance”. (30 marks)
 - 1.2. Briefly describe the different methods that can be used to report Notifiable Diseases in Sri Lanka. (70 marks)

Part B

2.
 - 2.1. List three (03) main characteristics of surveillance data. (30 marks)
 - 2.2. Briefly explain surveillance data validation with a suitable example. (70 marks)

Part C

3.
 - 3.1. Briefly describe two (02) adverse sociological issues that you are likely to encounter when implementing a new information system in a hospital. (40 marks)
 - 3.2. Briefly describe three (03) advantages of implementing a computer system in a health care organization. (60 marks)

Part D

- 4.
- 4.1. Briefly explain 'usability' of health information systems with a suitable example. (30 marks)
 - 4.2. What are the Human Computer Interaction (HCI) factors which determine the usability of a computer system? (70 marks)

Part E

- 5.
- 5.1. Define 'Project Management'. (20 marks)
 - 5.2. Briefly discuss the importance of the Change Control Process in Software Project Management. (80 marks)

Part F

- 6.
- 6.1. List the main management functions common to any organization. (20 marks)
 - 6.2. Briefly explain how these functions could be used to improve the services of a hospital. (80 marks)