FELLOWSHIP EXAMINATION
ADVANCED INFORMATION TECHNOLOGY

Time: 3 Hours

Answer ANY FIVE questions only. All questions carry 20 marks each.
(Template is not required for drawing Flow-Charts.)

1. Write Short Notes on:
   a. Artificial Intelligence
   b. Cookies
   c. Modern
   d. Debugging

Marks 5 each

2. Explain the following:
   a. Compiler versus Interpreter
   b. Encapsulation
   c. Encryption
   d. Spatial Frequency

Marks 5 each

3. a. What is LINUX? Explain the features of LINUX.
   b. What is Business Intelligence (B.I.)?
      Explain briefly the different components of B.I.

   Marks 10 each

4. a. Explain Customer Relationship Management (C.R.M.) and its objectives.
   b. How C.R.M. will help Insurance Business?
      How Relational Database Management System (RDBMS) will help in automating
      Insurance Business?

   Marks 10 each

5. Describe in brief the various steps involved in Program Development for the Insurance Application.

   Marks 20

6. How e-Insurance will boost the Insurance Business?
   Also explain what the challenges to Insurance Business are.

   Marks 20

7. Why Computer Security is important to Insurance Business today?
   If you have to develop a Total Computer Security Policy for your Insurance Business,
   what are the measures you have to cover in the Total Computer Security Policy?

   Marks 20

8. What is Network Topology?
   Explain briefly different types of Network Topology and their benefits.
   Explain which Topology is mainly used in a Local Area Network (L.A.N.) environment and why?
   Also explain its benefits over the other Topologies.

   Marks 20

END