Q1) A) Multiple choice questions. (Tick mark the correct answer). [10]

i) Which of the following symbol is used for searching through truncation?

   a) *          b) $          c) ~          d) #

ii) NISSAT established _____ national information centers on specific sectors.

   a) 12          b) 13          c) 14          d) 15

iii) 'Silver Generation in India: A bibliographical study' is a publication of _____.

   a) INSDOS      b) NASSDOC    c) NISSAT      d) NISCAIR
iv) In which type of content analysis, scaling intensity weights of words is considered.
   a) Semantic analysis  
   b) Contextual Analysis  
   c) Evaluation assertion analysis  
   d) Word counting analysis  

v) The periodicity of Indian diary of events' Published by NASSDOC is _______.
   a) Yearly  
   b) Half-Yearly  
   c) Monthly  
   d) Quarterly  

vi) AGRIS provides AGLINET services - what is the meaning of AGLINET?
   a) The Agricultural laboratory Network  
   b) The Agricultural library Network  
   c) The Agricultural library and Information Network  
   d) The Agricultural library Net.  

vii) SUCHIKA Software package is designed and developed by _______.
   a) NASSDOC  
   b) DESIDOC  
   c) NISSAT  
   d) NISCADR  

viii) 'Census of India' is an example of _______.
   a) Textual database  
   b) Numeric database  
   c) Bibliographic database  
   d) Software database
ix) Marketing of information services and products require:
   a) A community which needs products
   b) A commodity.
   c) Both a and b
   d) Only communication

x) The full form of 'DEVSIS' is
   a) Designing varied scientific Information for services.
   b) Developing scientific Information and systems.
   c) Developing science information systems
   d) Developing scientific and industrial system

B) Answer the following questions in one or two sentences: [10]
   i) Who defined content analysis 'as a research method for investigating problems in which the content of communication serves as a basis of inference'?
   ii) NASSDOC was established as a division of ICAR. State whether it is true or false
   iii) ENVIS-EMCB is the programme of ENVIS. What is full form of 'EMCB'?
   iv) Which institute of India is the national centre of the ISSN International centre for assigning ISSN numbers for serials published in India?
   v) In which year SIB was named DESIDOC?
   vi) Define 'search strategy'
   vii) What is the name of a web-enabled full text database of Ph.D.thesis published by NISSAT?
   viii) In which year, INIS started functioning at Vienna?
ix) Name the four P's involved in marketing?

x) AGRIS is Sponsored by which organisation of united Nations?

Q2) Write an essay on 'content Analysis' describing its characteristics Uses, strengths and limitations advantages and disadvantages. [20]

OR

Explain the concept of 'marketing of information Products and services'. Describe its need, pre-requisites and benefits in the field of library and information science.

Q3) Define 'database'. Explain the various steps involved in preparation of a database. Describe How various search strategies are used to retrieve information from the databases. [20]

OR

Write an essay on NISSAT stating its objectives main functions and activities.

Q4) Write short notes (Any Four) [20]

a) Re-engineering process

b) Process of content Analysis

c) Types of databases

d) Boolean searching

e) MEDLARS