DEPARTMENT OF INFORMATION TECHNOLOGY

QUESTION BANK

Subject Code: BM1007
Subject Name: MEDICAL INFORMATICS   Year / Sem : IV / VIII

UNIT – I
PART A (2MARKS)

1. Define Biological Signals.
2. What is the role of LAN in Data acquisition?
3. What is the use of Transmission Images?
4. Define Hospital Database.
5. Define the QA. Database.
6. What type of Database given by MEDLINE?
7. Define LTO.
8. What is the use of SANs.
9. Who is the developer for CANCERLIT?
10. What type of retrieval given by AVLINE?
11. Define CLINPROT.
12. Define NCI.
13. Which type of analysis given by CANCEREXPRESS?
14. Define HISTLINE.
15. Define CAS.

PART B (16 MARKS)

1. Explain Medical Data Acquisitions and Database.
2. Explain PC based multichannel data Acquisitions and Storage.
3. Explain the CANCER analysis and retrieval techniques.
4. Explain the TDB / TOXLINE, Health planning and administration analysis and retrieval techniques.
5. Explain the LINE analysis and retrieval techniques.

UNIT – II
PART A (2MARKS)

1. What are the steps for storing the information in variables?
2. How can assigning the values to arrays.
3. What is the function of Closer look?
4. What are the PROPERTIES using in Dynamic data exchange?
5. Define Query Unload Event
6. Differentiate FORMS and COUNT.
7. Define String.
8. What are the EVENTS using in Dynamic data exchange?
9. How many METHODS using in Dynamic data exchange?
10. Define Mouse Events for MDI Forms.
11. What is the use of Value Property?
12. Define Change Event.
13. Define Min Property.
14. Define Large Change Property.
15. What is the function provided by Min Property?

PART B (16 MARKS)

1. Explain the Visual Basic programming Guide.
2. Explain Dynamic Data Exchange for Visual Basic.
3. Explain code changes for the form object.
4. Explain activate and deactivate Events.
5. Explain the VB base medical information system.

UNIT – III
PART A (2MARKS)

1. Define Infection control.
2. What are the responsible for fiscal affairs?
3. Define medical staff affairs.
4. Who is the developer for MYCIN?
5. Define signal processing.
6. Define expert system.
7. Define robotics.

PART B (16 MARKS)

1. Explain Hospital information system.
2. What are the basic function areas and techniques of AI?
3. Explain the keys using in AI. What are the functional areas and techniques using in AI.
4. Explain AI based medical imaging.
5. Explain pattern Recognition.
6. Explain the role for Neural network and fuzzy in medicine.

UNIT – IV
PART A (2MARKS)

1. Define multimedia?
2. What is the properties need for design in multimedia?
3. How multimedia supporting to information system?
4. Define virtual reality?
5. What are the components in virtual reality?
6. Define graphics?
7. Define jitter?
8. Define key elements of multimedia?
9. Write any five input devices?
10. Write any five output devices?
11. What is clipping?

PART B (16 MARKS)

1. Explain multimedia and virtual reality?
2. How multimedia supporting to the medicine?
3. Explain virtual reality application in medicine?
4. Explain design of multimedia?
5. Explain components of virtual reality?

UNIT – V
PART A (2MARKS)
1. Define medical informatics?
2. Define medical research?
3. Define medical informatics levels.
4. Define integrated design concepts.
5. What are the use internets in medicine?
6. Define interactive multimedia.
7. What are the educational packages are used in medical sciences.

8. Define virtual libraries.
9. Define Digital libraries.

PART B (16 MARKS)

1. Explain medical informatics and its levels.
2. Explain design and development of educational packages on medical sciences.
3. Explain integrated design concepts in medical informatics.
4. Explain in detail with virtual and digital libraries.
5. Explain in detail internet and its applications.