C.U.SHAH UNIVERSITY
Summer Examination-2017

Subject Name : Digital Libraries: Theory and Practical

Subject Code : 5AH01DLB2   **Branch: M.Lib.I.Sc.**

Semester : 1   Date : 30/03/2017   Time : 10:30 To 01:30   Marks : 70

Instructions:
    (1) Use of Programmable calculator and any other electronic instrument is prohibited.
    (2) Instructions written on main answer book are strictly to be obeyed.
    (3) Draw neat diagrams and figures (if necessary) at right places.
    (4) Assume suitable data if needed.

SECTION – I

Q-1   Attempt the Following questions   (07)

    a. Define Digital Library
    b. Define Artificial Intelligence
    c. How many types of OCR technology are there?
    d. List types of Scanners
    e. Identify any two digital library softwares available on the Internet
    f. What is Web server?
    g. List tools of Digitization

Q-2   Attempt all questions   (14)
    a. Explain in brief the major component of digital library   **7**
    b. Write Characteristic of digital Libraries.   **7**

OR

Q-2   Attempt all questions   (14)
    a. What are the major issues/challenges in the development of the digital library?   **7**
    b. Define digitization. What are the major benefits of digitization?   7
Q-3

    What is image compression? Describe the types of image compression. and   **14**
    Compression Protocols

OR

Q-3 a. What is OCR? Why is it important to OCR a digitised image?   **7**
    b. Describe criteria used for selection of material for digitisation   **7**

SECTION – II

Q-4 **Attempt the Following questions** (07)

    a. What is IPR ?
    b. List components of Intellectual property Right (IPR)
    c. What is HTML ?
    d. List types of image compression
    e. How do you digitize audio and video?
    f. How does a cine projector work?
    g. Give the difference between HTML and DHTML

Q-5 **Attempt all questions** (14)
    a. Explain tools for web page designing   7
    b. Describe syntactic context setting   7

OR

Q-5 a. What is copyright ? What are it's implications ?   7
    b. Describe Digital Format in detail.   7

Q-6 **Attempt all questions** (14)
    a. What are the implications of user studies on Content Development ?   7
    b. Write a note on GSDL and Dspace   7

OR

Q-6 **Attempt all Questions**
    a. Explain the four types of metadata which are associated with the digital objects.   7
    b. Describe Patent in detail.   7

SECTION – I

Q-1 **Attempt the Following questions** (07)

    h. oIhIs,.F.A|/ZI GI jfFbIF VF₅M
    i. VF₈I"oIXIJ.g₈[.IHg; GI jfFbIF VF₅M
    j. OCR Technology S/₈.F₅|SFZGI K./P
    k. Scanner GF₅|SFZ
    l. INTERNET p₅Zp₅,aW℃MIJ[JF SM.₅₆A[oIhIs,.F.A|/ZI;Mo₈J[Z .BM
    m. Web Server X/\K./m
    n. Digitization GF;FWGM.BMP

Q-2 **Attempt all questions** (14)

| | a. | Digital library *(text in decorative script)* | 7 |
| | b. | Digital Libraries. *(text in decorative script)* | 7 |

<div align="center">**OR**</div>

Q-2   **Attempt all questions**   **(14)**

   a.   **digital library** *(text in decorative script)*?   **7**

   b.   Digitization *(decorative)* Digitization *(decorative)*   7

Q-3

   Image compression *(decorative)* Image compression *(decorative)* Compression Protocols *(decorative)*   **14**

<div align="center">**OR**</div>

Q-3   a.   OCR *(decorative)* Digitised image *(decorative)* OCR *(decorative)*   7

     b.   Digitisation *(decorative)*   **7**

SECTION – II

Q-4   **Attempt the Following questions**   **(07)**

   h.   IPR *(decorative)*

   i.   **Intellectual property Right (IPR)** *(decorative)*

   j.   HTML *(decorative)*

   k.   **Image compression** *(decorative)*

   l.   **Audio and Video** *(decorative)* digitize *(decorative)*?

   m.   **Cine Projector** *(decorative)*?

   n.   **HTML and DHTML** *(decorative)*

Q-5   **Attempt all questions**   **(14)**

   a.   Web page designing *(decorative)*   **7**

   b.   **Syntactic Context Setting** *(decorative)*   **7**

<div align="center">**OR**</div>

Q-5   **a.**   Copyright *(decorative)*?   **7**

     b.   Digital Format *(decorative)*   **7**

Q-6   **Attempt all questions**   **(14)**

   a.   Content Development *(decorative)* user studies *(decorative)*   **7**

   b.   GSDL and Dspace *(decorative)*   **7**

<div align="center">**OR**</div>

Q-6   **Attempt all Questions**

   a.   Metadata *(decorative)* Digital Objects. *(decorative)*   **7**

   b.   Patent *(decorative)*   **7**