CENTRAL UNIVERSITY OF HARYANA

Programme: Master of Library & Information Science   **Session: 2021-22**

Semester: Fourth   **Max. Time: 3 Hours**

Course Title: Knowledge Management Systems   **Max. Marks: 70**

Coursè Code: SCSI LIS 01 04 14 C 4105

Instructions:

1. Question no. 1 has seven parts and students need to answer any four. Each part carries three and half Marks.

2. Question no. 2 to 5 have three parts and student need to answer any two parts of each question. Each part carries seven marks.

Q 1.   Explain in brief: (4X3.5=14)

    a) Knowledge Sharing

    b) Taxonomy

    c) Tacit Knowledge

    d) Knowledge Creation

    e) Knowledge Economy

    f) Type of Data

    g) Explicit Knowledge

Q 2.   (2X7=14)

    a) Outline the conceptual difference between the data and information.

    b) Discuss the principle of Knowledge management in an organization.

    c) Define Knowledge management. How it is differ from the information management?

Q3.   (2x7=14)

    a) Discuss the important characteristics and Components of National Information Infrastructure.

    b) Outline the complex nature of knowledge.

    c) Describe the characteristics of Knowledge economy

Q 4.   (2X7=14)

    a) Discuss the measurement criteria of intellectual capital.

    b) What is KMS? Explain the categories of KMS.

    c) Elaborate the evaluation criteria of a good knowledge management system?

Q 5.   (2X7=14)

    a) Draw the any one knowledge-sharing models and present an outline of the same.

    b) What is knowledge portals? Highlights the characteristics of a knowledge portal?

    c) Outline the concept of Knowledge culture in details.

Programme:	**M. Lib. I. Sc**	**Session: 2021-22**
Semester:	**I**	**Max. Time: 3 Hours**
Course Title:	**INFORMETRICS AND SCIENTOMETRICS**	**Max. Marks: 70**
Course Code:	**SCSI LIS 01 04 07 DCEC 4004**	

Instructions:

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Q 1.   (4X3.5=14)

    a) What is Z-influence?

    b) Contribution of Alan Pritchard

    c) What is Librametrics?

    d) What is citation?

    e) How to calculate g index?

    f) What is i10 Index?

    g) Name any three Citation database with their publishers.

Q 2.   (2X7=14)

    a) What is Scientometrics? Discuss in brief of steps to conduct Scientometrics studies.

    b) How Scientometrics plays a significant role in institutional ranking? Discuss.

    c) What do you understand by Webometrics? How webometrics is different from Bibliometrics studies.

Q3.   (2X7=14)

    a) Discuss Lotka's Law with its merit and limitations.

    b) Explain the 80/20 rules with suitable examples

    c) Discuss the contributions of Garfield in the field of bibliometric.

Q 4.   (2X7=14)

    a) What is VoSWiver Software? How to calculate different collaboration network map using VoSWiver?

    b) What is bibliometric mapping? Discuss about the criteria/ indicators for mapping.

    c) What is Co-authorship/collaborative Authorship? Discuss the reasons for collaboration and what can be measured with data on collaboration?

Q 5.   (2X7=14)

    a) Define h-index? Discuss the merits and shortcoming of h-index.

    b) What do you understand by Impact Factor? How journal impact factor is calculated?

    c) Discuss the concept of Bibliographic Coupling with suitable examples.

Q. 1. [3½X4=14]

a) What is E-millivart?
c) Distribution of Amino acids?
d) What is Ultrametric?
d) What is charging?
e) How to calculate codon?
f) What is ED index?
g) Name any three codon databases with their problems?

Q.2. [3X4=12]

a) What is Synteny mapping? Discuss its role in field of study in genetic bioinformatics studies.
b) How bioinformatics plays a significant role in international and national sciences?
c) What do you understand by Mathematics? How mathematics is different from Bibliometric studies.

Q3. [3X4=12]

a) Discuss Lotka's Law with its merit and limitation.
b) Explain the BLAST tool with suitable examples.
c) Discuss the classification of databases on basis of Information.

Q4. [3X4=12]

a) What is Ranking Judgment? How to calculate different collaboration network using VOSviewer?
b) What is bibliometric mapping? Discuss about the criteria of indicators for mapping.
c) What is E-author-ship/Collaborative Authorship? Discuss the science of collaboration and what can be measured with data on collaboration?

Q.5 [3X4=12]

a) What is Lotka's law? Discuss the measurement of quality.
b) What is performance and its impact factor? How journal ranked by its social science?
c) Discuss the concept of Editing open Sourcing with suitable examples.

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