D 11139-A (Pages : 2) Name.....

Reg. No.....

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2021

(CCSS)

M.Lib.I.Sc.

LIS 3E 04—KNOWLEDGE MANAGEMENT

(2019 Admission onwards)

Time : Three Hours Maximum : 80 Marks

1. Write short notes on the following, each one not exceeding 50 words :

   a) Data mining.

   b) Neuroscience.

   c) Decision tree.

   d) Self knowledge.

   e) Meta knowledge.

   f) Knowledge economy.

   g) Modelling neurosystems.

   h) Components of an expert system.

   i) Scope of Knowledge Management.

   j) Free open source data mining software.

(10 × 2 = 20 marks)

2. Write short essays on any *six* of the following, each one not exceeding 200 words.

   a) Knowledge codification.

   b) Knowledge based systems.

   c) Knowledge Management tools.

   d) Examples of Knowledge Market.

   e) Need for Knowledge Management.

   f) Future of Knowledge Management.

Turn over

g) Data presentation and architecture.

h) Role of management in Knowledge creation process.

i) Explain data-information-knowledge-wisdom relationship.

(6 × 5 = 30 marks)

3. Answer the following, each one not exceeding 1000 words :

Either

a) Discuss the difference between procedural and declarative knowledge with examples.

Or

b) Technological advances have greatly helped the growth of knowledge management although the field has not reached full maturity. Elucidate the statement.

Either

c) What are the components of Knowledge map ? Describe the various types of knowledge maps.

Or

d) What is tacit knowledge ? Explain the ways of capturing tacit knowledge in the work place.

(2 × 15 = 30 marks)

D 11139 (Pages : 2) Name.....

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THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2021

(CCSS)

M.Lib.I.Sc.

LIS 3E 03—STATISTICS AND INFORMETRICS

(2019 Admissions)

Time : Three Hours Maximum : 80 Marks

I. Explain the concept in not more than 50 words :

a) F-test.

b) h-index.

c) Bibexcel.

d) Percentile.

e) Zipf's law.

f) Webometrics.

g) Geometric mean.

h) Regression analysis.

i) Skewness and Kurtosis.

j) Limitations of statistics.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words :

a) Chisquare test.

b) Web Impact Factor.

c) Bibliographic coupling.

d) Use of statistics in libraries.

e) Analysis of Co-Variance.

f) Karl Pearson's Coefficient of Correlation.

g) Citation analysis in collection development.

h) Difference between one tailed and two tailed test.

(5 × 6 = 30 marks)

3. Answer the following, each one not exceeding 1000 words :

Either

a) Define measures of dispersion. Describe mean deviation and standard deviation with examples.

Or

b) What are the measures of central tendency ? Differentiate mean, median and mode.

Either

c) Explain obsolescence. Discuss the measures and implications in library and information science.

Or

d) Differentiate between co-citation coupling and bibliographic coupling with suitable examples.

(2 × 15 = 30 marks)

D 11136 (Pages : 2) Name.....

Reg. No.....

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2021

(CCSS)

M.Lib.I.Sc.

LIS 3C 10—INFORMATION TECHNOLOGY APPLICATION IN LIBRARIES–THEORY

(2019 Admissions)

Time : Three Hours Maximum : 80 Marks

1. Explain the concept in not more than 50 words :

   a) DSpace7.

   b) RFID tags.

   c) Open DOAR.

   d) ROAR MAP.

   e) Private cloud.

   f) Bar code scanner.

   g) Features of E-Prints.

   h) Koha OPAC Module.

   i) Machine learning approaches.

   j) Contents of an institutional repository.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words :

   a) Fedora.

   b) Library 2.0.

   c) Digital compression.

   d) Robotics in Libraries.

   e) Web Scale Discovery Services.

   f) Augmented reality in Libraries.

Turn over

g) Uses of Block Chain technology.

h) Advantages and disadvantages of smart cards.

(5 × 6 = 30 marks)

3. Answer the following, each one not exceeding 1000 words :

Either

a) Define expert system. Explain its need and application in Libraries.

Or

b) Explain the various criteria in the selection of hardware and software in library automation.

Either

c) What is Open Source Digital Library software ? Describe in detail GSDL software.

Or

d) Define Metadata. Describe in detail Dublin Core Metadata.

(2 × 15 = 30 marks)

D 11135 (Pages : 2) Name.....

Reg. No.....

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2021

(CCSS)

M.Lib.I.Sc.

LIS 3C 09—RESEARCH METHODOLOGY

(2019 Admissions)

Time : Three Hours Maximum : 80 Marks

1. Explain the concept in not more than 50 words :

   a) E-citation.

   b) Peer review.

   c) Sampling frame.

   d) Features of Zotero.

   e) Applied research.

   f) Likert rating scale.

   g) Electronic brainstorming.

   h) Tools for literature search.

   i) Merits and demerits of interview.

   j) Sources of data in historical research.

(10 × 2 = 20 marks)

2. Write short notes on any *five* of the following, each one not exceeding 200 words :

   a) Stratified sampling.

   b) Testing of hypothesis.

   c) Experimental research.

   d) Types of research design.

   e) Primary and secondary data.

   f) Coding and analyzing data.

   g) Recent trends in LIS research.

   h) Software-assisted plagiarism detection.

(5 × 6 = 30 marks)

Turn over

3. Answer the following, each one not exceeding 1000 words :

Either

a) What is a style manual ? Describe the guidelines for preparing bibliographical references in APA style (6th ed.)

Or

b) Describe the characteristics of scientific method of inquiry. Discuss by giving examples how far this method is applicable to LIS research.

Either

c) Define observation method. Discuss the various direct and indirect observation methods in Library Science.

Or

d) Define research design. Discuss the various types of research design used in LIS research with examples.

(2 × 15 = 30 marks)