ENTRANCE EXAMINATION FOR ADMISSION, MAY 2013.

Ph.D. (LIBRARY AND INFORMATION SCIENCES)

COURSE CODE : 156

Register Number :

Signature of the Invigilator
(with date)

COURSE CODE : 156

Time : 2 Hours

Max : 400 Marks

Instructions to Candidates :

1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.

2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.

3. Read each of the question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.

4. Avoid blind guessing. A wrong answer will fetch you –1 mark and the correct answer will fetch 4 marks.

5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.

6. Do not open the question paper until the start signal is given.

7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.

8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.

9. Use of Calculators, Tables, etc. are prohibited.

1. Hypothesis refers to
   (A) The outcome of an experiment
   (B) A conclusion drawn from an experiment
   (C) A form of bias in which the subject tries to outguess the experimenter
   (D) A tentative statement about the relationship

2. Preliminary data collection is a part of the
   (A) Descriptive research
   (B) Exploratory research
   (C) Applied research
   (D) Explanatory research

3. Conducting surveys is the most common method of generating
   (A) Primary data
   (B) Secondary data
   (C) Qualitative data
   (D) None of the above

4. After identifying the important variables and establishing the logical reasoning in theoretical framework, the next step in the research process is
   (A) To conduct survey
   (B) To formulate hypotheses
   (C) To focus group discussions
   (D) To use experiments in an investigation

5. One of the most critical stages in the survey research process is
   (A) Research design
   (B) Questionnaire design
   (C) Interview design
   (D) Survey design

6. A question that consists of two or more questions joined together is called a
   (A) Double barreled question
   (B) General question
   (C) Accurate question
   (D) Confusing question

7. Discrete variable is also called
   (A) Categorical variable
   (B) Discontinuous variable
   (C) Both (A) and (B)
   (D) None of the above

8. ————— research is based on naturalism.
   (A) Field research
   (B) Descriptive research
   (C) Basic research
   (D) Applied research

9. Which of the following is a form of research typically conducted by teachers, counselors, and other professionals to answer questions they have and to specifically help them to solve local problems?

   (A) action research   (B) basic research

   (C) predictive research   (D) orientational research

10. Which scientific method is a top-down or confirmatory approach?

   (A) Deductive method   (B) Inductive method

   (C) Hypothesis method   (D) Pattern method

11. A condition or characteristic that can take on different values or categories is called

   (A) a constant   (B) a variable

   (C) a cause-and-effect relationship   (D) a descriptive relationship

12. A positive correlation is present when

   (A) two variables move in opposite directions

   (B) two variables move in the same direction

   (C) one variable goes up and one goes down

   (D) several variables never change

13. Which of the following can be best described as a categorical variable?

   (A) age   (B) annual income

   (C) grade point average   (D) religion

14. Which amongst the following correlation is the strongest?

   (A) +.10   (B) −.95   (C) +.90   (D) −1.00

15. Ideally, the participant's identity not known to the researcher is called

   (A) Anonymity   (B) Confidentiality (C) Deception   (D) Desensitizing

16. The act of publishing the same data and results in more than one journal or publication refers to which of the following professional issues?

   (A) Partial publication   (B) Duplicate publication

   (C) Deception   (D) Full publication

17. Which scale is the simplest form of measurement?

(A) Nominal   (B) Ordinal   (C) Interval   (D) Ratio

18. Which of the following is not a method of data collection?

(A) Questionnaire

(B) Interview

(C) Experiment

(D) Observation

19. Open-ended questions provide primarily ———— data.

(A) Confirmatory data

(B) Qualitative data

(C) Predictive data

(D) None of the above

20. Which of the following is not a form of non-random sampling?

(A) Snowball sampling

(B) Convenience sampling

(C) Quota sampling

(D) All the above are nonrandom sampling

21. Which of the following would generally require the largest sample size?

(A) Cluster sampling

(B) Simple random sampling

(C) Systematic sampling

(D) Proportional stratified sampling

22. A number calculated with complete population data and quantifies a characteristic of the population is called which of the following?

(A) A datum   (B) A statistic   (C) A parameter   (D) A population

23. Which of the following would usually require the smallest sample size because of its efficiency?

(A) One stage cluster sampling

(B) Simple random sampling

(C) Two stage cluster sampling

(D) Quota sampling

24. The use of multiple observers to allow cross-checking of observations to make sure that the investigators agree with what took place is known as

(A) Interpretive validity   (B) Researcher bias

(C) Multiple operationalism   (D) Investigator triangulation

25. The type of qualitative research that describes the culture of a group of people is called

(A) Phenomenology   (B) Grounded theory

(C) Ethnography   (D) Case study

26. What is the median of the following set of scores: 18, 6, 12, 10, 14?

(A) 10   (B) 14   (C) 18   (D) 12

27. Which measure of central tendency takes into account the magnitude of scores?

(A) Mean   (B) Median   (C) Mode   (D) Range

28. A post hoc test is

(A) A test to compare two or more means in one overall test

(B) A test to determine regression to the mean

(C) A follow-up test to the analysis of variance when there are three or more groups

(D) A follow-up test to the independent t-test

29. A Type II error is also known as a

(A) False positive   (B) False negative

(C) Double negative   (D) Positive negative

30. Which of the following is not one of the major parts of the research report?

(A) Results   (B) Abstract   (C) Method   (D) Footnotes

31. The term hypertext was coined by

(A) Ted Nelson   (B) Bill gates

(C) Jarkko Oikarinen   (D) Dale Dougherty

32. ———————— are used to connect similar LANs.

(A) Domains   (B) Cables   (C) Modems   (D) Bridges

33. Which of the following acronyms is normally used to describe unsolicited junk e-mails?

(A) WHAM   (B) CRAM   (C) DRAM   (D) SPAM

34. Fedora is

(A) Linux operating system   (B) UNIX operating system

(C) System software   (D) Mac OS

35. Ku band is primarily used for

(A) Optical communication   (B) Satellite communication

(C) Electro-magnetic communication   (D) All of the above

36. A computer connected through network is called

(A) System   (B) Node   (C) Modem   (D) Router

37. The speed of a supercomputer is measured in

(A) FLOPS   (B) MIPS   (C) MHz   (D) Bytes

38. Who is associated with "free software movement"?

(A) Richard Stallman   (B) Bill gates

(C) Ted Nelson   (D) Steve Jobs

39. First wiki was created by

(A) Richard Stallman   (B) Bill gates

(C) Ted Nelson   (D) Ward Chunningham

40. A name allotted to a computer in Internet Terminology is called

(A) Domain name   (B) Client   (C) Server   (D) Host

41. —————— is a web application that combines data from more than one source into a single integrated tool.

(A) Blog   (B) Mashups

(C) News groups   (D) Bulletin Board

42. Flickr is an example of

(A) Social networking site   (B) Search engine

(C) Instant messaging   (D) Mailing list

43. Google was founded by
   (A) Larry Page and Sergey Brin
   (B) David Filo and Jerry Yang
   (C) Shawn Fanning
   (D) Jeff Bezos

44. A protocol used to control the secure sending of data on the internet is
   (A) SMTP   (B) TCP/IP   (C) HTTPS   (D) HTTP

45. Internet's initial development was supported by
   (A) ARPANET   (B) Bill Gates   (C) Bill Rogers   (D) Microsoft

46. What is the minimum bandwidth required for broadband connection?
   (A) 128 kbps   (B) 256 kbps   (C) 512 kbps   (D) 2048 kbps

47. Voice over IP (Voice over Internet Protocol or "VoIP") technology converts voice calls from
   (A) Analog to digital
   (B) Digital to analog
   (C) It depends on the data
   (D) None of the above

48. What is the domain used for non-profitable organizations?
   (A) .gov   (B) .org   (C) .net   (D) .com

49. Websites upon which members can congregate online and exchange views on issues of common interest are known as
   (A) Web communities
   (B) Virtual communities
   (C) Web casts
   (D) E-marketing

50. Internet uses
   (A) Circuit switching
   (B) Telephone switching
   (C) Packet switching
   (D) Telex switching

51. Content of a website is accessed by an end-user through a
   (A) web browser
   (B) web client/server
   (C) web server
   (D) web e-mail

52. Access and web hosting services for the Internet are provided through
   (A) Internet Service Providers (ISPs)
   (B) internet solutions providers (ISPs)
   (C) application service providers (ASPs)
   (D) online solutions providers (OSPs)

53. Call-free charges across the Internet between PCs and phone systems is an application of
    (A) Really Simple Syndication (RSS)   (B) Voice Over IP (VOIP)
    (C) IM (Instant Messaging)   (D) iPTV

54. Which is used to exclude web pages in a search?
    (A) +   (B) --   (C) OR   (D) X

55. An ISDN is a
    (A) Cable Modem   (B) Conventional Modem
    (C) Subscriber Line   (D) Digital telephone network

56. Unauthorized network access is prevented by using a
    (A) Hub   (B) Router   (C) Firewall   (D) Cookie

57. The most widely used Internet service is
    (A) Internet Relay Chat (IRC)   (B) World Wide Web
    (C) Network news   (D) Bulletin board services

58. What technology is being referred to as Web 3.0?
    (A) Open Source Technology   (B) The Semantic Web
    (C) Read Write Web   (D) Social Networking

59. RSS stands for
    (A) Really Simple Standards   (B) Really Simple Specifications
    (C) Really Simple Synonyms   (D) Really Simple Syndication

60. Scribd is
    (A) Email Client   (B) Blog
    (C) Chat Server   (D) File Sharing Repository

61. Informal communication among experts is known as
    (A) Invisible College   (B) Information Gatekeeper
    (C) Communication College   (D) Knowledge Management

62. 'Humanities Index' is published by
    (A) Louis Moreri   (B) R.R. Bowkar
    (C) H.W. Wilson   (D) Dr. S.R. Ranganathan

63. Tacit Knowledge includes
   (A) External Source of Information
   (B) Original knowledge
   (C) Internal Human Knowledge
   (D) Recorded Knowledge

64. The early printed books are called
   (A) Gray Literature
   (B) Classical Books
   (C) Manuscripts
   (D) Incunabula

65. *Concept maps* are the tools for
   (A) Marketing of information products
   (B) Information economics
   (C) Organizing and representing knowledge
   (D) Information repackaging

66. *SCOPUS* is a
   (A) Full text database
   (B) Special search engine
   (C) Abstract and Citation Database
   (D) Numeric database

67. The process of conversion of tacit knowledge to explicit knowledge is known as
   (A) Consolidation
   (B) Socialization
   (C) Dissemination
   (D) Conceptualization

68. The book entitled 'Documentation' was authored by
   (A) S.R. Ranganathan
   (B) S.C. Bradford
   (C) Melvil Dewey
   (D) Calvin Moors

69. The Digital Millennium Copyright Act (DMCA) is
   (A) British Copyright Law
   (B) Indian Digital Copyright Law
   (C) European Union Copyright Law
   (D) US Copyright Law

70. In which month the 'Book Week' is organized in India?
   (A) August
   (B) September
   (C) October
   (D) November

71. An administrative principle that states the employees should receive orders from one supervisor only is called
   (A) Unity of Command
   (B) Authority and responsibility
   (C) Unity of direction
   (D) Centralization

72. The concept of MBO was given by

(A) Henry Fayol   (B) Elton Mayo   (C) Brandeis   (D) P. Drucker

73. The concept of Library Warrant was introduced by

(A) W.C.B. Sayers   (B) S.R. Ranganathan

(C) E. Wyndham Hulme   (D) E.C. Richardson

74. Which one of the following is related to INFLIBNET?

(A) CALIBER   (B) PLANNER   (C) ReLISH   (D) ICDE

75. *'Kinescs'* is related to

(A) Storage   (B) Generation   (C) Communication   (D) Preservation

76. *'SHE'* is the name of a

(A) Engineering database   (B) CSIR Unit

(C) Database   (D) Controlled Vocabulary

77. A.B. Maslow is related to

(A) Theory X and Y   (B) Hierarchy of human needs

(C) 14 Principles   (D) Hygienic factors

78. ——————— has prescribed certain standards for library binding.

(A) ALA   (B) ILA   (C) CILIP   (D) UNESCO

79. Scrutiny of financial transactions is called

(A) Budgeting   (B) Programming   (C) Auditing   (D) Accounting

80. A budget not based on any previous year's budget is known as

(A) PPBS   (B) Programme Budget

(C) Zero-base Budget   (D) Performance Budget

81. *'National Register of Social Scientists'* is published by

(A) ICSSR   (B) ICCR   (C) NASSDOC   (D) ICHR

82. The term *Informatics* was proposed by

    (A) Garfield   (B) Dr. S.R. Ranganathan

    (C) Borko   (D) Mikhailov

83. The periodicity of *University News* is

    (A) Weekly   (B) Monthly   (C) Fortnightly   (D) Quarterly

84. The 'Humanities Index' an international periodical on literature in humanities is published by

    (A) H.W. Wilson   (B) R.R. Bowker

    (C) Whitakar   (D) Institute for Scientific Information

85. The term 'cybernetics' was coined by

    (A) Shanon   (B) Warren Weaver

    (C) Norbert Weiner   (D) Tim Bernerse Lee

86. Cost effectiveness is

    (A) Calculated cost   (B) Benefits of special money

    (C) Financial planning   (D) Financial auditing

87. The International Organization for Standardization (ISO) is located at

    (A) Geneva   (B) New York   (C) UK   (D) Paris

88. Indian input centre for the INIS is situated at

    (A) BARC   (B) NISCAIR

    (C) DESIDOC   (D) National Science Library

89. The major source of information on Indian Biomedical literature is available through

    (A) NICNET   (B) IndMed

    (C) RENNIC   (D) Indian MEDLARS

90. BLAISE is an information network established in

    (A) USA   (B) France   (C) Bangalore   (D) UK

91. *'Indian Economic Diary'* is an example of a
   (A) Subject Digest
   (B) Subject Index
   (C) National Digest
   (D) All of the above

92. The direct method of electrostatic photocopying is known as
   (A) Zerography
   (B) Electrography
   (C) Electrofax
   (D) Thermography

93. The National Knowledge Commission (NKC) of India was constituted in
   (A) May 2005
   (B) June 2005
   (C) July 2005
   (D) August 2005

94. The Subject Classification scheme was designed by
   (A) S.R. Ranganathan
   (B) H.E. Bliss
   (C) C.A. Cutter
   (D) J.D. Brown

95. Which catalogue code has first adopted by ISBD?
   (A) AACR-I
   (B) AACR-II
   (C) CCC
   (D) ALA (1949)

96. The Social Science Information Network in Asia-Pacific region is called
   (A) NATIS
   (B) DEVINAS
   (C) ASTINFO
   (D) APINESS

97. The abstracting periodical brought out by INIS is known as
   (A) ATOMINDEX
   (B) INISATOMINDEX
   (C) ATOMABSTRACT
   (D) INISABSTRACT

98. The ASK phenomena in information search and retrieval was conceptualized by
   (A) Belkin and Oddy
   (B) Belkin and Austin
   (C) Belkin and Luhn
   (D) Sharp and Oddy

99. Who was the first one to use the term 'Thesaurus' in the context of information retrieval?
   (A) H.P. Luhn
   (B) Helen Bownson
   (C) S.R. Ranganathan
   (D) A.C. Fosket

100. The best example of a classification system devised as a Switching Language is the
   (A) BSO
   (B) UDC
   (C) DDC
   (D) SRC