Ph.D COURSE WORK 2010

BATCH-I (Semester –A, 2010)

Paper-I: ICT & Research Methodologies

MODEL PAPER (FOR FACULTY OF HUMANITIES, LAW)

(Note: There will be a theory and a practical examination on paper-I. In theory examination, question paper will contain total 8 questions. Four from Section –A and four from Section B. Students will be required to answer total five questions selecting at least two questions from section-B. Time: 3hrs. Max. Marks: 100.
Practical Examination will be conducted   to test proficiency of the candidates in the topics covered under Section-A. Practical will be of 6hrs duration. Max.Marks: 100.)

Research Methodology

Sample Questions

GENERAL

1. What do you mean by research? Explain different steps involved in a research process?
2. (a) Distinguish between Research Methods and Research Methodology.
    (b) Describe different type of research
3. What is research problem? Define the main issues which should receive the attention of researcher in formulating the research problem. Give suitable examples to elucidate your points.
4. (a)How do you define a research problem? Give three examples to illustrate your answer
    (b) What is the necessity of defining a research problem?Explain

5. What is interdisciplinary Research? Explain

Written Communications: Thesis /Report writing

1.Describe, in brief, the layout of a research report covering all relevant points

2.Explain significance of a research report and narrate the various steps involved in writing such a report

1. Write a short note on "Documentation" in the context of a research report
2. Explain the technique and importance of oral presentation of research findings.
3. What are the points to be kept in mind while preparing a research paper? Explain

4. Mention the different types of report, particularly pointing out the difference between a technical report and a popular report
5. Write short notes on the following:
(i)   The techniques of writing report
(ii)   Characteristics of a good report
(iii)   Bibilography and its importance in context of research report
(iv)   Rewriting and polishing of report
6. "Report writing is more an art that hinges upon practice and experience" Discuss

Information and Communication Technologies

1. What is a PC? Differentiate between a desktop and workstation computer.
2. What is a Computer?. What are different major components of a Desktop computer
3. What is ICT? Describe various uses of ICT for Researchers
4. Write down major specifications (CPU,memory, Disk, display,input and output ports etc) for a desktop computer for research work
5. What is the capacity of a (a) CD ROM, (b) DVD Drive, (c) Pen Drive,(d) Hard Disk normally used with your computer
6. Name and explain different page/paper sizes used with printers
7. What is dpi? What is the normal dpi used for printing a research report by a laser printer
8. What is a scanner? . What is meant by resolution of a scanner?.
9. What is an Operating system. Name any three operating system used with PC
10. What is a computer network?. What is LAN?
11. What is IP address? Write down IP address used for a computer in your campus
12. What is WAN? Explain how to connect your network to a computer in the WAN using telephone lines
13. What is Internet? What are the major Internet tools available for Reserachers
14. What is Intranet? Explain Intranet of your university
15. What is a search engine? Explain important features of Google.
16. What are important advance search features available in google
17. What is meant by impact factor of a research journal?. Name any five research journals in your area and its impact factors
18. What is the role of keywords in searching?.What is the area and topic of your research? Write down ten most important keywords of your research topic
19. What are important features of google scholar which you have find useful for literature survey
20. What is INFLIBNET?. What are the important facilities available from the web portal of INFLIBNET?
21. Briefly explain use of following in research
    (i)   E-mail
    (ii)   World Wide Web
    (iii)   Wikipedia
    (iv)   www. amazon.com

      (v)   Google scholar
      (vi)   Your university Intranet site
      (vii)   Social networking sites

22. What is E-book? What is Digital Library?
23. What is Adobe portable document format? What are the advantages of it compared to MS word?.
24. What are different file formats available for storing images?.
25. What are important features you find useful for preparing reports using MS Word?
26. What is Font? Name any three important fonts which you found useful for your work
27. Differentiate between Word processing and publishing software. Name software used for both.
28. What is meant by Electronic spread sheet? What are important features available in MS excel for your research work
29. What are important features available in MS Excell for statistics work
30. What are important features of MS Powerpoint you have used for preparing presentations?. What is meant my template for presentations?