B.A/B.Sc, B.Sc [FAO] BCA/ 5 years. Integrated course in Biological science under Mrudu Kousalya. for VI semester.

COMPUTER APPLICATION & INFORMATION TECHNOLOGY

Total No of hours :42

Unit I: Database definition, objective of Database, DBMS, features of DBMS, Data models, DBMS Software, creating, editing, monitoring, searching and sorting databases,creating and printing formatted reports, designing custom screen display, multiple data files, executing queries. Introduction to MS-Word, Advantage and features of word processor. Operations and applications of word processor, MS-word menus, advanced MS-word function. Introduction to MS-Excel, views of MS-Excel, features and functions of MS-Excel. Introduction to MS-Access, features of MS-Access. Functions and features of presentation package (MS-PowerPoint), views of MS-Power point. Introduction to Internet, Internet services, use of Browsers, HTML and E-mail functionality. Introduction to DTP Software Package, flash, Dream viewer, Adobe-pdf. (16 hrs)

Unit II: Introduction to information system- MIS, EIS, TPS, DSS, expert systems, Accounting Information system, ERP and cloud computing. Cyber crimes and cyber terrorism- Cyber crimes and the categories of crime such as Cyber frauds, Cyber thefts, Cyber stacking, Cyber Terrorism and Hacking. IT-Governance Risk and compliance – CMM (Capability Maturity Model), Control objectives for information and related technology (COBIT). (12hrs)

Unit III : Electronic contracting, digital signature, E-Commerce, threats in e-commerce, Encryption overview, Elements of an encryption system, secret key encryption, public key encryption, Smart cards and its applications, E-Banking, types of Electronic fund transfer, Risk of electronic payment system. Salient features of IT Act – 2000- Definitions, Electronic record and digital signature authentication, Various authorities under IT Act and their powers, Penalties, Offences.(14hrs)

Note : No commands should be asked in the question paper.

Reference books :

1) Data Base concepts by Abraham Siberschartz, Heriry F Korth ,S.Sudarshan. – Tata Mc Growhill 3rd Edition
2) Microsoft office professional – 2013 step by step -- Microw soft press
3) MS –Office reference guide , by ToonBunzel
4) A Management Information Systems , by 'O'Brien James --- Tata Mc Graw Hill, New Delhi.
5) Management information Systems by Gordan B Davis --- McGraw Hill
6) Information Syastems Control &Audit , by Weber, --- Pearson Education, India.

Note: Model question paper will submitted later.

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