YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY, NASIK

HOME ASSINGMENT - (2016-17)

B.Sc. BIS (P30)

Instructions for the Students:

1) All Questions are compulsory.
2) Each Sub-question carries 5 marks.
3) Each Sub-question should be answered between 75 to 100 words. Write every question's answer on separate page.

CMP207: Computer Fundamentals

Q.1. Explain the Central Processing Unit in detail. 5m

Q.2. Differentiate between Static RAM and Dynamic RAM. 5m

Q.3. Explain Process Management in Operating System. 5m

Q.4. What is role of Multimedia in Computer System. 5m

CMP204: Office Tools

Q.1. List out the features of MS Word. 5m

Q.2. How to insert the formulas in MS Excel? 5m

Q.3. Which functions used in MS Access? 5m

Q.4. Explain the applications of MS Outlook. 5m

CMP201: Programming Expertise in "C"

Q.1. What is IDE in C? explain in brief.	5m
Q.2. Explain the Loop instructions in C.	5m
Q.3. What is Array explain its types in brief?	5m
Q.4. Explain the Memory organization.	5m

CMP222 Computerized Financial Accounting

Q.1.What is a need and importance of financial statements.	5m
Q.2. Explain the process of computerization of accounting.	5m
Q.3. Define Process of Entering Vouchers.	5m
Q.4.What are the types of financial transactions.	5m

CMP202: Data structure using C

Q.1. Explain Quick Sort with example.	5m
Q.2. What is Linked List and operations on Linked List.	5m
Q.3. Explain Stack in detail.	5m
Q.4. What is Binary Search Tree? Explain in detail.	5m

CMP203: OOPs and C++

Q.1. What is inheritance and also explain types of Inheritance?	5m
Q.2. How Exception handling is achieved in OOP?	5m
Q.3. Explains Virtual function in OOP.	5m
Q.4. Explain the Linear Search with its example.	5m

CMP223:Computer Organization

Q.1. Explain the Von Neumann architecture. 5m

Q.2. What is Instruction Pipelining? 5m

Q.3. Differentiate between RISC and CISC. 5m

Q.4. Briefly explainRAID and its types. 5m

CMP255:Operating Systems

Q.1. Define the Process and explain its lifecycle. 5m

Q.2. Define Thread and its explain its lifecycle. 5m

Q.3. Explain the producer-consumer problem in detail. 5m

Q.4. What is Deadlock? List out deadlock prevention techniques? 5m

CMP215 : Data Structures through C++

Q.1. Explain Quick Sort with example. 5m

Q.2. What is Linked List and operations on Linked List. 5m

Q.3. Explain Stack in detail. 5m

Q.4. What is Binary Search Tree? Explain in detail. 5m

CMP217: DirectX Game Programming

Q.1. Explain the game development process. 5m

Q.2. What is Client Server Model? 5m

Q.3. Define the term Palette animation. 5m

Q.4. What is Force Feedback Technology? 5m

CMP216: Distributed Computing through COM/DCOM

Q.1. What is COM? also differentiate between traditional DLL and a COMDLL. 5m

Q.2. How reusability is achieved in COM. 5m

Q.3. List out the Directory Tree Control. 5m

Q.4. What are various connection points in COM? 5m

CMP227 : E-Commerce

Q.1. Define the E-commerce with its advantages and disadvantages. 5m

Q.2. Explain the software agents in e-commerce. 5m

Q.3. Differentiate traditional marketing with E-marketing. 5m

Q.4. Write a short note on CRM. 5m

CMP226:Enterprise Resource Planning (ERP)

Q.1. What is ERP? Explain advantages of ERP. 5m

Q.2. Explain the Data Warehouse. 5m

Q.3. Explain the Data Mining. 5m

Q.4. With diagram explain lifecycle of ERP. 5m

CMP214: Enterprise solutions using J2EE

Q.1. Write down the various operators in java. 5m

Q.2. How multiple inheritance is achieved in java. 5m

Q.3. What is recursion with suitable example. 5m

Q.4. Explain the try- catch block in exception handling. 5m

CMP213:Programming Excellence through C#

Q.1. What are the Decision Control Instruction in c#. 5m

Q.2. Explain the Loop Instruction in c#. 5m

Q.3. Define the Synchronization. 5m

Q.4. What are the process of Network Security. 5m

CMP211:Visual Programming

Q.1. Explain the Operator Overloading. 5m

Q.2. What is Multithreading in brief. 5m

Q.3. Write a short note on FTP. 5m

Q.4. Explain the WDM model. 5m

CMP218 :Writing Windows Device Drivers

Q.1. Explain Packet Driven I/O (IRP). 5m

Q.2. List out the issues in Multiprocessor system 5m

Q.3. Define the Service control manager. 5m

Q.4. What is Bus? Explain its types. 5m

CMP256:ORACLE

Q.1. What is data modeling? 5m

Q.2. Explain SQL and types of SQL instructions. 5m

Q.3. What are the integrity constraints. 5m

Q.4. Define Normalization. 5m

CMP248 :Linux

Q.1. Explain File Transfer Protocol. 5m

Q.2. Explain the working of Red hat Firewall. 5m

Q.3.What is ls command? 5m

Q.4. Write a short note on troubleshooting in Linux. 5m

CMP400: Environmental Studies

Q.1. Write a short note on renewable and non-renewable resources. 5M

Q.2. Explain the structure of an ecosystem. 5M

Q.3. What is soil pollution? How to prevent it? 5M

Q.4. What is the role of information technology in environmental health? 5M

CMP263: Systems Analysis and Design

Q.1. Explain the System structure. 5m

Q.2. Define Requirement Analysis. 5m

Q.3. What is Entity Relationship analysis? 5m

Q.4. Whatis Good Interface and its requirements? 5m

CMP206: Principles of Data Base Management System

Q.1. Define the Database Management System and its advantages. 5m

Q.2. What is Entity Relationship Model and its components? 5m

Q.3. Short note on Boyce Codd Normal Form (BCNF). 5m

Q.4. List out the DML and DDL commands. 5m

CMP247: JAVA

Q.1. List out the features of Object Oriented Programming. 5m

Q.2. What is JVM? Explain the need of JVM. 5m

Q.3. Explain the Multithreading in java. 5m

Q.4. Define the Abstract classes and Final classes. 5m

CMP220:Programming Excellence through VB.NET

Q.1. Draw and explain the architecture of the .NET framework. 5m

Q.2. What is get and post request. 5m

Q.3. Explain various Validation controls in vb.net 5m

Q.4. Explain XML and its tags. 5m

CMP205: Software Engineering

Q.1. Explain the Waterfall Model and its advantages. 5m

Q.2. What is Software Testing and its types? 5m

Q.3. How the requirements are gathered for System? 5m

Q.4. Define Software Configuration Management. 5m

CMP208:Business Information Systems

Q.1. List the users of the Business Information System. 5m

Q.2.What is the human resource management? 5m

Q.3. Explain the process of planning of IT Infrastructure? 5m

Q.4. Write a short note on need of Resource matching. 5m

CMP212: Building Web Portals through ASP.NET

Q.1. List out the various html tags. 5m

Q.2. Differentiate between the HTML and XML. 5m

Q.3. What is Dynamic Web Page. 5m

Q.4. Explain the need of Grid View Control in web page. 5m

CMP209: Data Communication & Networking

Q.1. Explain Data Communication System. 5m

Q.2. Explain the Guided Media and its types. 5m

Q.3. What is Computer Network also explain its types. 5m

Q.4. Explain TCP/IP model in brief. 5m