



YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY, NASIK

HOME ASSIGNMENT - (2016-17)

B.C.A. (P32) old

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.
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CMP207 Computer Fundamentals

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| 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

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|--|----|
| 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

CMP250 : Mathematics for Computers

- Q.1. Explain Venn Diagrams with example. 5m
- Q.2. Write the pseudo code for Factorial of numbers. 5m
- Q.3. What is Vector, also explains its types? 5m
- Q.4. Explain the Graph and its types. 5m

CMP262 Study Skills

- Q.1. What is Nature and importance of Study Skills? 5m
- Q.2. Explain the Observation Process and its methods. 5m
- Q.3. What are the forms of Reading and also explains its importance? 5m
- Q.4. Write down the steps in Preparation of Examination. 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

CMP209 Data Communication & Networking

- Q.1. Explain Data Communication System. 5m
- Q.2. Explain 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

CMP242 Humanities & Social Obligation

- Q.1. Explain the Capitalist Model of production and market. 5m
- Q.2. Explain the Human Rights in India. 5m
- Q.3. Briefly explain relationship between individual and society. 5m
- Q.4. What is the social obligation? Explain its need. 5m

CMP230 Communication Skills & Tech Writing

- Q.1. What is Communication Process and forms of Communication? 5m
- Q.2. How to identify the Personal Strength and Weakness? 5m
- Q.3. Explain the Barriers in Communication. 5m
- Q.4. Write the sample of application for job. 5m

CMP401 Cloud computing

- Q.1. What is cloud Computing and types of cloud computing? 5m
- Q.2. What is Virtualization? 5m
- Q.3. Explain the Security Policies for Cloud Computing. 5m
- Q.4. List out the different services provided by Cloud . 5m

CMP402: Mobile Application Development

- Q.1. Explain the Mobile Information Device Profile (MIDP). 5m
- Q.2. With neat diagram explain the structure of webpage. 5m
- Q.3. Briefly explain Android Architecture. 5m
- Q.4. Define the GPS & Map view. 5m

CMP215 Data Structures through C++

- Q.1. Define the Class and Objects in C++. 5m
- Q.2. What is Doubly Linked List with its example. 5m
- Q.3. Explain Queue and its types. 5m
- Q.4. What is Recursion? Explain in detail. 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

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

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

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

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

CMP227 E-Commerce

- Q.1. Define a 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

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

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

CMP248 Linux

- Q.1. Explain the booting process of red hat Linux. 5m
- Q.2. Explain the file structure of Linux. 5m
- Q.3. What is echo command. 5m
- Q.4. Write a short note on troubleshooting in Linux. 5m

CMP258 Professional Development

- Q.1. Define Communication and its types. 5m
- Q.2. Short note on Stress Management. 5m
- Q.3. Differentiate between Leader and Manager. 5m
- Q.4. Explain Edwin Locke's goal setting theory of motivation. 5m

CMP400 Environmental Studies

- Q.1. What is Ecosystem? explain the structure and function of an Ecosystem.5m
- Q.2. Write a short note on Solid Waste Management. 5m
- Q.3. Define HIV/AIDS. 5m
- Q.4. Explain the Water Conservation, Rain Water Harvesting, 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. What is Good Interface and its requirements? 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 explain RAID and its types. 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 Constructor and its types. 5m
- Q.3. Explain various Validation controls in vb.net 5m
- Q.4. Explain Thread and its lifecycle. 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

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

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

CMP212 Building Web Portals through ASP.NET

- Q.1. List out the various html tags. 5m
- Q.2. Differentiatebetween 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

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

CMP221 Statistical Techniques

- Q.1. Define Mean, Median, Mode. 5m
- Q.2. What is Skewness and how we measure it? 5m
- Q.3. Whatis Regression and Correlation? 5m
- Q.4. How classification of data is achieved in computer. 5m