

**PG Diploma in Application Software (w.e.f. 2016-17)**

**PGDAS1.01 Fundamentals of Application Software**

*Assignment Questions*

1. a. List out the different type of computers? Write the components and its functions of computer.  
b. Define Operating system. Discuss the features of Windows and Linux operating systems?
2. a. Define data structure. What are the applications of Stacks and Queues? How to implement these two by using arrays? Explain.  
b. What is sorting and searching? Illustrate and explain the algorithms for Binary search and Quick sorting technique.
3. What is software and what are its characteristics? Discuss any four software development process models with merits and demerits of each.

*M. Usharani*  
*19/6/17*

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**PGDAS 1.02 Object Oriented Programming through JAVA**

**Assignment Questions**

1. a) What is Object Oriented Programming? Explain Java features in detail.  
b) Define Inheritance and Explain various types of Inheritance?
2. What is an exception handling? How to handle exceptions? Explain with a program.
3. Define Applet? Explain life cycle of Applet with an example.

K. Usha Rani  
17/6/17.

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**PGDASI.03 Web Technologies**

**Assignment Questions**

1. Explain how basic and nested tables are created using HTML.
2. Describe the Cascading Style Sheet (CSS) with an Example use the Font Attributes and Text Attributes in the Example ? Discuss term Entity in Xml. Also Explain Different type of Entities?
3. Explain about error handling in JSP and how to validate the user input in JSP?

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**PGDAS 1.04 Database Management Systems**

**Assignment Questions**

1. Discuss in detail about purpose of database systems.
2. Explain entity relationship diagrams with suitable examples.
3. Explain queries with set operations, aggregate functions, views and joined relations with suitable examples.

N.V. G. Nithalesh

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**PGDAS 1.05 Cyber Security**

**Assignment Questions**

1. Discuss about network Vulnerability Scanning with suitable examples.
2. What is the use of Network Address Translation (NAT) and Port Forwarding?
3. Distinguish between Stateless and Stateful Firewalls.



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**PGDAS 1.06 Data Analytics & Cloud**

**Assignment Questions**

1. Hadoop ECO System.
2. Cloud Computing Models & Cloud Security.
3. Cloud Service Models.

*Sudha*

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**PGDAS 1.07 Mobile App Development**

**Assignment Questions**

1. How to Display Images in Your App Using An ImageView?
2. Give a step by step procedure for Switching Activities Using a Button Click.
3. Create Custom ListView Adapter For Displaying Multiple Columns.

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