

Instructions for Assignment M.Sc (IT) Part II/LE

For this Academic session (2019-20) the Internal assessment would be based on the assignment not the Internal Tests. So the students are requested to submit the assignments via Email. In case of any query please contact on following numbers: 81460-66122 (Dr. Dilraj Singh) OR 98153 -59109(Dr. Vishal Singh).

For submitting the assignments please follow the instructions below:

1. There should be **ONE FILE ONLY PER STUDENT** which shall include the assignments for all the subjects.
2. The students can prepare the assignment using MS-Word, if not possible they can prepare written file and then send that as a scanned PDF file. For preparing the scanned PDF file students can make use of ADOBE SCAN or CAM SCANNER free software available in Google Play store.
3. Students should attempt 2 questions for each subject.
4. The assignment is to be sent as an email attachment to the following email id . The subject of the Email should be the Name and Roll No of the Students.

msc2internal@gmail.com

5. Please add the below title for the Assignment at the beginning:

**DEPARTMENT OF DISTANCE EDUCATION
PUNJABI UNIVERSITY, PATIALA
Assignment for Internal Assessment**

Class: M.Sc (IT) Part - II /LE Session: 2019-2020 Roll No. _____

Student's Name: _____

Father's Name: _____

Address: _____

_____ **Contact No.** _____

Paper: MS(A)-211 Web Technology

1. Discuss TCP/IP in detail explaining its role in World Wide Web.
2. Explain AJAX and its advantages.
3. Explain the scope of variables in PHP.

Paper: MS(A)-212 Java Programming

4. Explain the features of Java.
5. Explain about the various in built exception handling classes?
6. What is a package. Explain it with example.

Paper: MS(A)-213 Software Engineering

1. Explain spiral model in detail.
2. What is SRS? What are the characteristics of good SRS?
3. What is testing? Explain various types of testing techniques.

Paper: MS(A)-214 Computer Networks

1. Write a note on Sliding Window Protocols.
2. List and briefly discuss different types of Routing Algorithms.
3. Why Network security is important? Explain Public Key encryption.

Paper: MS(A)-215 Programming Lab-IV

1. Write any 5 tags used in HTML by giving suitable example.
2. What is CSS? Explain by giving example.
3. What is the use of Java script? Explain by giving example.
4. Write various control statements used in PHP.

Paper: MS(A)-216 Programming Lab-V

1. Write a Program to find the sum of first 100 prime numbers.
2. Write a Program to check if word 'MADAM' is a palindrome or not using recursion method.
3. Write a Program to create an Applet showing standard window controls like Radio Button and Text Box.
4. Write a program to create user defined exception handlers.

Paper: MS(A)-221 Computer Graphics

1. Draw a cross sectional diagram of Raster-Scan CRT and discuss about its major components.
2. Write advantages and disadvantages of DDA Line Algorithm
3. Explain Phong Shading.

Paper: MS(A)-222 Linux Administration

1. Explain the major advantage of Linux OS.
2. What are wild cards? Explain their use with suitable example.
3. What is vi editing system?

Paper: MS(A)-223 Modern Information Systems

1. Define System. What are the various types of System?
2. What is MIS? What are the components of MIS?
3. Define Knowledge. What are the various types of Knowledge?

Paper: MS(A)-224 Artificial Intelligence System

1. What are the various ways of representing knowledge in AI?
2. What is Expert system? What are the components of Expert system?
3. What is NLP? Write various phases of NLP.

Paper: MS(A)-225 Programming Lab – VI

1. Explain various 2-d transformations in Computer Graphics.
2. Explain various 3-d transformations in Computer Graphics.
3. WAP to draw a line using Bresenham's Algorithm.
4. WAP to draw a circle using Mid - Point Algorithm.

Paper: MS(A)-226 Programming Lab – VII

1. What is minimum system requirement for installation of Linux OS. Also write the steps for its installation.
2. Explain about different Looping statements used in Shell programming.
3. What do you mean by mount point? Give commands to mount a CD-ROM.
4. What is process to reset the Superuser password