NOTIFICATION

Submission of Assignments is a component of the CIA for theory papers of MCA Programme. (V Semester) In this connection students are directed to read the instructions carefully before preparing the assignments. The list of topics for assignments for each paper is furnished below:

**MCA 2017 – 2020 Batch ( V Semester) Assignment Topics**

Any two topics in each paper must be chosen by the candidate

1. **Computer Networks**
   a. Write about data link layer and its functions.
   b. Describe any three Routing algorithms.

2. **Smart Devices Programming**
   a. Give a detailed note on user interface
   b. Write a brief account on persisting data & database
   c. Summarize the performance of Interacting with device Hardware and Media

3. **Optimization Techniques**
   a. Solve any two Problems - (a) Simplex method
      (b) Transportation problem
      (c) Assignment problem
   b. Explain various Inventory models with example problems
   c. Describe the Replacement theory.

4. **Network Security (Elective-IV)**
   a. Write about Symmetric Ciphers
   b. Explain briefly about Network Security Practices
   c. Give a detailed account on Intruders and Malicious Software

5. **Compiler Design (Elective-V)**
   a. Give a detailed note on different Parser.
   b. Write a issues in the design of code generator.
   c. Write a brief account on Sources of Optimization

Note: The candidates are instructed to visit our website (www.bdu.ac.in/cde) for PCP classes, Assignment topics, Venue of the Exam Centre, Exam Time Table and Results.
INSTRUCTIONS

The MBA/MCA students are directed to note the following instructions before preparing the Assignment.

1. For each subject, 3 topics are suggested for the assignments. The students have to choose any two of topics on each subject.

2. Each assignment will run from 10 to 15 pages (A4 sheet)

3. Assignments shall be prepared by referring from original books on the subjects.

4. Assignments on all subjects shall be submitted in a single cover, with separate tags for the two assignments on each paper.

5. The title of the assignment for each paper is available in the list notified.

6. Neatness, adequacy, legibility of presentation, clarity etc., will be considered in the evaluation.

7. For CIA calculation for each subject out of 25 marks, two assignments carry 10 marks (each 5 marks) and two tests will carry 15 marks (each test 7.5 marks)

8. Assignments should be written by the candidates in their own handwriting in the A4 size unruled white sheets.

9. The assignments shall be handed over to the faculty concerned at the respective PCP centers only. The students are advised not to send the assignment papers by post to university.

10. The students who did not submit the assignment on the prescribed date, should pay a late fee mount of Rs.125/- by means of DD drawn in favour of “Bharathidasan university, Tiruchirappalli - 620 024.” payable at Trichy.

11. Assignments received without Title page, DD (in case of late submission) and after the last date will be summarily rejected.

DIRECTOR