



**DRAVIDIAN UNIVERSITY**  
**DIRECTORATE OF DISTANCE EDUCATION (DDE)**  
**KUPPAM - 517426**

**MODEL QUESTION PAPER FOR ASSISGNMENT**

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(M.C.A. III year)-2<sup>nd</sup> set

**Paper- Paper-MCA 301 Artificial Intelligence**

**Answer any three questions**

**3x10=30**

1. Write about production system characteristics?
2. Discuss about Hill Climbing?
1. Explain about representing simple facts in logic with example?
2. Discuss briefly about non-monotonic reasoning.
3. Write about expert systems shells?

**Paper-MCA 302 Information security**

**Answer any three questions**

**3x10=30**

1. Write about TCP Session hijacking and ARP attacks?
2. Discuss about secure Hash functions and HMAC?
3. Explain about IP security Architecture?
4. Write about secure Electronic transaction (SET)?
5. Discuss about firewall Design principles?

**Paper-303 Embedded systems**

**Answer any three questions**

**3x10=30**

1. ?Write about embedded systems Design process
2. Explain about 8501 Data transfer and logical instructions?
3. Discuss about interfacing with keyboards and displays?
4. What are semaphores and queues? Explain
5. Write about IZC bus and Can bus.

### **Paper-MCA 304 Data warehousing and Data Mining**

**Answer any three questions**

**3x10=30**

1. ?Discuss about Data Cleaning Data Integration and transformation
2. ?mitivesWrite about Data Mining pro
3. Explain about constraint-based Association Mining?
4. Write about categorization of major clustering methods?
5. Write about Mining the World Wide Web?

### **Paper-MCA 305 Management information system**

**Answer any three questions**

**3x10=30**

1. Discuss about information systems Architecture?
2. Explain about input, output and procedure design?
3. Discuss about prototype method?
4. Write about systems modeling for MIS?
5. What are software engineering qualities? Explain.

### **Paper-MCA 306 Personality Development and interpersonal skills**

**Answer any three questions**

**3x10=30**

1. Write about Dynamics and development of personality?
2. Discuss about 25 steps to build a personality?
3. Write about managing meetings?
4. Explain briefly about interpersonal needs?
5. Discuss about stress management?

### **Paper-MCA 307 Software testing methodologies**

**Answer any three questions**

**3x10=30**

1. Write about taxonomy of bugs?
2. Explain about transaction flow Testing techniques?
3. Write about regular expressions and flow anomaly detection?
4. Discuss about state graphs and state Testing?
5. Write about Node reduction Algorithm?