

## **Mid 2 Syllabus (for students of all NC sections )**

from

Numerical Analysis

NINTH EDITION

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### **1-Stirling Formula (Center difference Formula)**

Topic 3.3: Table 3.14 pg no 150 (Solved Example)

### **2- Numerical Differentiation**

Topic 4.1: All the concepts covered in questions  
1,2,5,6,18 and 26

### **3- Numerical Integration**

Topic 4.3: All the concepts covered in questions 1-10

Topic 4.4: All the concepts covered in questions 1-4

### **4- Solving ODEs**

Topic 5.2: (Euler's Method) All topics covered in question no 1-2.

### **5- Labs of Interpolation:**

All the information provided to students in session 2 and task relevant to it.