

# Mid Syllabus

## ● BEE

### Chapter-1

-Charge and current, voltage, ac, dc

❖ Maths, Circuit elements

### Chapter-2

-Ohm's law, Conductance

-Kvl, Kcl

-Nodes, branch and loops

-Series and Parallel maths

-Y-delta transformation

❖ R equivalent related maths,

❖ series and parallel circuit maths,

❖ Y-delta connection (conversion with 3 equations)

### Chapter-3

-Nodal Analysis

-Mesh Analysis

-Related maths

❖ Super mesh, super node not required

❖ Practice the exercise, practice problems which were followed in the class and assignments of different sections it will help

#We have to ans 3 out 4 questions each one carries 5 marks and questions will be maths related most of them ( No defination)

## ● Sp

-Date types

-ASCII

-Operator(+, -, \*, /)

-If else

-Loop

-Chapter-2

-Chapter-4(4.5-4.6-4.7)

-Chapter-5( As much as we code)

-Chapter-6 (6.1-6.6)

-Take a look Assignments of D section, which we did.

*NB:-Teacher will tell the question pattern in the class after the question will be ready. Right now we are told to follow the assignments problem, question and answers at the last of the chapters (related to the topics)*

## ● Phy

### Chapter-17( Oscillation)

❖ *There should be only basic explanations of graph in the answers. If any definition is asked we are told to not make it too long or add much information other than the exact definition. We can also use any mathematical equation or symbol with the definition (if any). Extra information will increase the marks deduction.*

## ● DM

### -1.1: Propositional logic

Example-all

Exercise- all

### -1.2: Application of propositional logic

Example-1,2

Exercise-(1-8)

### -1.3: Propositional equivalence

Example-(1-8)

Example-(1-33)

### -1.4: Predicate & Quantifier

Example-(4-6), (8-11), (14-16)

Exercise-(1-3), (11,12)

## ● D&IC

### 1. Functions:

-Domain & range

-Increasing & decreasing

-Graph & functions

-Limits

-Continuity and differentiability

## ● English

### 1. Preposition

2. Transformation of sentences ( functional and non functional which includes,Complex,compound,simple,affirmative,negative,interrogative,exclamatory,voice,) (common rules er shathe rare cases o porte hobe)

3. How to write a paragraph,CV/Resume and assignment

4. Article

## **5. Use of Conjunction**

**16-10-2022**