# MID SEM QUESTION PAPER Marks:70 TIME:180MINS

## PART-A

## Answer the following questions in one more or sentence

#### (10\*1=10)

1. What is synergids ?
2. What is post-fertilisation events ?

## Answer any five of the following in 3 to 5 sentences

#### (2\*5=10)

1. What is embryo sac and scutellum ?
2. What is microsporangia and cleistogamous ?

## PART-C

## Answer any five of the following in 40 to 80 words

#### (3\*5=15)

1. i)What will be the ploidy of the cells of the nucellus, MMC, the functional megaspore and female gametophyte? (1+2)  
   ii)What would be the genetic nature of apomictic embryos? Can they be called clones?
2. i)What would be the ploidy of the cells of the tetrad? (1+2)  
   ii)Can you list the possible external agents?

## PART-C

## Answer any seven of the following in 200 to 250 words

#### (5\*7=35)

1. Explain Agents of Pollination?
2. Explain APOMIXIS AND POLYEMBRYONY ?