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**6 SEM TDC BOT M 6**

**2 0 1 8**

**( May )**

**BOTANY**

**( Major )**

Course : 606

**( Agrotechnology and Sustainable  
Utilization of Plants )**

Full Marks : 48

Pass Marks : 19/14

Time : 2 hours

*The figures in the margin indicate full marks  
for the questions*

1. (a) Fill in the blanks : 1×5=5

(i) NBPGR stands for \_\_\_\_.

(ii) The scientific name of Patchouli  
is \_\_\_\_.

(iii) The studies which concern the  
mutual relationship between plants  
and traditional people is known  
as \_\_\_\_.

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**( Turn Over )**

( 2 )

(iv) \_\_\_\_\_ is the centre of origin of coffee.

(v) The predators can be used as \_\_\_\_\_.

(b) Write short accounts of the following :

3+3+3=9

(i) Ethnobotany in Indian context

(ii) Importance of Gene bank in plant resource conservation

(iii) Petrocrops as future fuel

2. What do you mean by domestication of plants? Write an explanatory note on Vavilov's centre of origin of crop plants. 3+8=11

Or

Write the agrotechnology of groundnut or cotton by mentioning its scientific name, name of the family and economic utilization.

6+1+1+3=11

3. What is organic farming? How organic farming is different from conventional farming method? Why this method is more sustainable? 3+5+3=11

Or

Write briefly about germplasm collection and conservation of wild species. Discuss the importance of biopesticides with their sources.

5+6=11

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( Continued )

( 3 )

4. Write the botanical names along with their families of the following plants and give short accounts on their economic importance of different useful parts (any three) : (1+1+2)×3=12

(a) Citronella

(b) Era (castor)

(c) Sal

(d) Turmeric

(e) Kalmegh

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