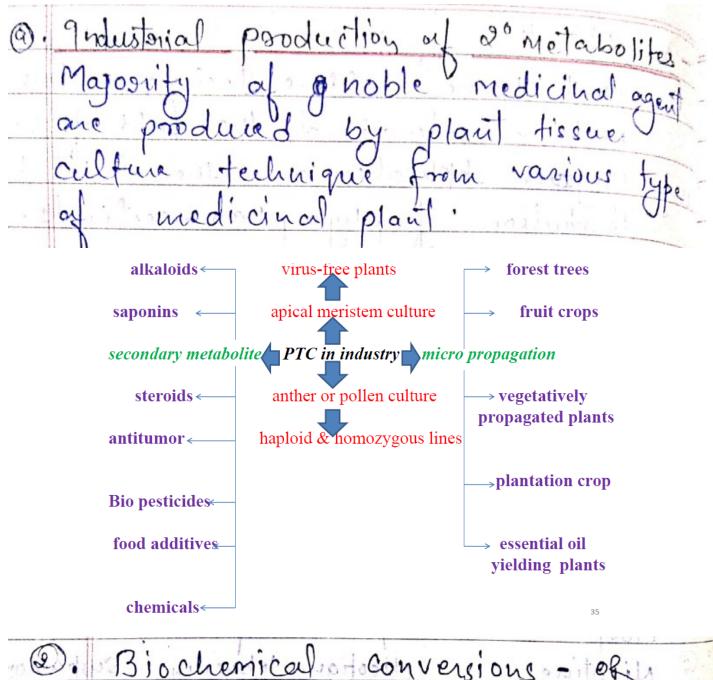
Application of PTC*

*Note: Most Important

Application of plant tissue culture plant Hissue calfare technique thas been used in almost all the field of bioscience. najor Megeore application are the listed below. D. Production of phyto pharmacendicals. D. Bio chemical conversion. 3. Micropropagation per (4). Production of immobilised plant celle. D. Production of pluto-pharmaceuticals -Now a days pharmaceutical iddustory using PFC as a course of variety o pluto-pharmaceuticals like- alkaloids. Alycosides, Steroids, terpenoids etc. Plant culture Name of Phylo-constituents Atropine Species type Atropa belladona Hairy poot. \odot Caffica arabica calles culture. @ cappine 3 Cordinolides Digitalis purprea Suspension 11. Suspension ". Panax gensery 9 Gincenoside. Suspension ". 5) Mosphine Papaves Somniferum Nicofiana tobacom O Nicotine Suspension 11. Callus 4 Suspension 1) D Quinine 4 Cinchona officinalis @ Quindine Rauwolfia serbenting Suspension ". Resespine



2.	Biochemical Conversions - of
A was 19	Biotransformations - Division
s anodel	The conversion of small part of
spearses	à chemical molècule by means of
	biological System is termed as
	biological System is termed as Biotransformation.

Eg-Podophylleum pelfalum in semi continous culture can produce auticances drug by biotransformation of Syntuctic Dibenzyf butanolide to lignan suitable for conversion to etoposide 3. Micropropagation - or Clonal propagations betaint Clonal propagation is the technique for rapid production of a large no. of identical clones, within a short duration in a limited spaces Q. Jumobilization of plant cells -- Inmobilization of plant cells or enzymes that increase the celebration of plant cell biofectuology for the production of pharmaceuticals motion situadoest The plant cells can we immobilized by using algineites. Rolyacralamide, Polyurethi-Such methodology may be implimented in case of enzymes which are used as Solid Suport for plant cells.

Comment serie me anne anne Other application plant freue augure froduction o gentricolly. Vourable plant will milose 20101 vinis observention Capilal menumin au genuali, enue free or very low conc. vines. onal popages abon 3) The aprial menemin is the only way to Obteniel a colon of various plant newselling by 120 C3 pfiliely of cuown gallo by plant fillies ultive con recourspices Importance of time currice. In protectivologi S/ planet Louis the fille roduhon pransgenic plant. placet Tere produson genesically wantable plants auguiare poly autimated, 12-2-6226 23