Duration: 3 hours Total marks: 75

N.B.: 1. Answer all questions sequentially.

2. Figures to right indicate full marks.

	classification includes classification of organised and unorganise
	drugs.
	Morphological
	Pharmacological
	Chemical
	Chemo-taxonomical
	Lycopodium spore method can be performed in the
	leaf drugs only
	powdered drugs with well-defined particles which may be counted
	any powdered drugs
	unorganised drugs only
	is an organoleptic evaluation parameter.
	Odour
	Melting point
	Moisture content
	Foaming index
	Following statements are true for unorganised drugs; except
	Unorganised drugs have cellular structure.
	Unorganised drugs do not have morphological structure.
	Unorganised drugs are obtained from natural sources.
	Unorganised drugs can be solid, semisolid or liquid.
	A BY BY BY BY
	Coppicing is
	method of collection of bark
	type of vegetative propagation
	plant tissue culture technique
	method of sowing the seeds
7	Raphides are bundles of
	prismatic crystals
	compound starch
	acicular crystals
	Phloem fibers
	2 B. B. B. B.
	Following are the exogenous factors; except
	Hybridization
	Altitude
	Temperature
	Soil
	Change in DNA sequence is called as
	Grafting
	Polyploidy
	Formation of callus
	Mutation

27619 Page 1 of 4

	pes of plant tissue culture technique except
Garbling culture	
Anther culture	
Suspension culture	
Protoplast culture/	
are transge	enic plants which trigger an immune response to provide
immunity against par	ticular infectious diseases.
Allergens	
Edible vaccines	
Polyploids	
Mutants	
,	
Jute 1s the	pericyclic fibre.
Cotton	
Dextrin	
Hemp	
is the natura	al growth inhibiting substance present in plants.
Auxins	
Abscisic acid	
Polyamines	
Ethylene	
\Q_2 \q_2 \q_3 \q_3 \q_3 \q_3 \q_3 \q_3 \q_3 \q_3	
Pollens are	_type of allergens
inhalants	
contact	
ingestants	
injectants	
Which of the followi	ng constituent in tragacanth is responsible for swelling &
forming gel?	
Tragacanthin	
Bassorin	
Tragacanthic acid	
Amylose	
	ed from Ananas comosus
, as obtained	A FORTH MANAGE COMOSILI
Papain	
Streptokinase	
Bromelain	
Serratiopeptidase	
Serranopepudase	
is	heated at 80 degree centigrade for removal of toxic
principle.	
Sunflower oil	
Chaulmogra oil	
Castor oil	
Arachis oil	19 B

17	Foam test is done for	
a	Saponins	
b	Volatile oils	
C	Anthraquinones	
d	Flavonoids	15
18	Following structure represents	30 ^T
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
a	Catechol	
b	Quinoline	N.
c	Anthraquinone	
d	Indole St. A. St	
19	is produced by fermentation technology	
a	Papain	
b	Urokinase	
c	Serratiopeptidase	
d A	Pepsin Pepsin	
5		
20	Astringent action is shown by	
a	Tannins	
b	Glycosides	
c	Volatile oils	
d 👌	Steroids	
. II A	Answer ANY TWO of the following:	20M
1a	Give biological source, chemical constituent and identification test for Gelatin.	5M
	Draw the heterocyclic nucleus/ general structure and write one example with its	
1b 🙏	use & chemical test for the following phytoconstituents:	5M
10	i. Cardiac glycoside	3111
O.T.	ii. Hydrolysable tannin	
2a	Write a note on	5M
	i. Ash value and its significance in quality control of DONO	
	ii. Effect of altitude & temperature in cultivation of DONO with suitable examples.	
2b	Define plant tissue culture & give its applications in Pharmacognosy.	5M
3a	Comment on significance of drying of crude drugs with suitable examples.	5M
	Discuss various methods used for drying in detail.	
21/2	Write biological source, preparation, chemical test for identification and uses of	5 3.5
3b	Tuto	5M

Paper / Subject Code: 69115 / Pharmacognosy & Phytochemistry I

Q.II.B	Answer ANY SEVEN out of the Nine	35 M
1	Give Complete Pharmacognosy of mucilage containing drug obtained from marine source.	5M
2	Define Volatile oil. Discuss the different classes of volatile oil and its chemical test with examples.	5M
3	Write a note on i. Biodiversity. ii. Cytokinins	5M
4	Give salient features and applications of edible vaccine.	5M
5	Discuss chemical classification of drugs of natural origin with suitable examples along with the merits & demerits of the same.	5 M
6	Write a note on types of adulteration with suitable examples	5M
7	Discuss Urokinase and Papain in detail.	5M
8	Write a note on significance of Pharmacognosy in various alternative systems of medicine.	5M
FINE 9	Draw the heterocyclic nucleus/ general structure and write one example with its use, chemical test for the following phytoconstituents: i. Flavonoid glycoside ii. Indole alkaloid	5M
