CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

1st Semester of B. Pharm. Examination University Theory Examination December 2015 PH113 Elementary Pharmacognosy

Date: 12/12/2015, Saturday Time: 10.00 a.m to 1.00 p.m

Maximum Marks: 80

- Democratic Interview I (E)

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Instructions:

- 1. There are three sections in this question paper.
- 2. SECTION I comprises of Question 1. Total marks for Section 1 are 20. There are 20 sub-questions (MCQ type). Answers to SECTION I are to be given in Answer Sheet for MCQ type questions provided to you. Maximum time allotted for SECTION I is 30 minutes. Answers to SECTION I must be written during the first 30 minutes of the examination.
- 3. Answers to SECTION II and SECTION III are to be provided in separate Main Answer Books provided to you.
- 4. Figures to right indicate marks.
- 5. Draw neat sketches wherever necessary.

SECTION - I

Q 1 Attempt all questions. Each question is of one mark 20

1. Who is known as the "Father of Medicine"?

[A] Hippocrates
[B] Aristotle
[C] Dioscorides
[D] Galen

- Which plant classification does correlate the pharmacological action of plant and the active chemical constituent present in it?
 - [A] Alphabatical
 - [B] Therapeutic
 - [C] Chemotaxonomy
 - [D] Chemical
- 3. Which of the following plant contains alkaloids?
 - TAT Aloe
 - [B] Senna
 - [C] Cinchona
 - [D] Digitalis
- 4. Which one of the following plant growth inhibitor is present in form of volatile gas?
 - [A] Cytokinins
 - [B] Abscisic acid
 - [C] Ethylene
 - [D] Auxin
- 5. Which of the following dryer is used for drying of Papaya latex or tannins?
 - [A] Spray Dryer
 - [B] Tray Drier
 - [C] Sun Light
 - [D] Vacuum Drier

	Which one of the following is an e				
	[A] Aloe				
	[B] Digitalis	armonds, M. St. Washington, "I			
	[-] 8				
	[D] Ashwagandha	mentaningan kreng pangangang			
	[D] Hishwaganaha	PULLIT Meanwheavy Phase			
7.		matter is removed in preparation of drugs?			
7 22 21 7	White Committee of the	2 Louis State of The Thirt is a supplied to			
	[A] Harvesting				
	[B] Drying				
	[C] Packaging				
	[D] Garbling	The second surface and the second sec	SMARY TU		
ngshi -	and the second second	There are three sections in this question gapers			
8.	Clove is which part of plant?	SECTION - Longition of Occupe L. Toleton	.2		
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111-	[A] Huit	for MX 33 type questions provided to you. Musica			
	[B] Flower bud	the second second and the second seco			
	[C] Seed	mission Assessed to SECTION 1 should be well			
	[D] Bark	containation.			
in an	I nee to be provided as separ-	which type of evaluation?			
9.	Determination of "phytosterols" is	s which type of evaluation?			
	[A]Mii-				
	[A] Microscopic	Cigaren da eleja traliquia marci se			
	[B] Chemical	then against the colored with the war and the	.20		
	[C] Physical				
	[D] Morphological	XIGN 1958			
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10.	drug?	pletely different substance is added in place of original	19		
	druge	Who is grown to act to act to a contract of odd.	.1		
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	[B] Inferiority	E.A. REESTON IN			
	[C] Spoilage	Clarifornia (Clarifornia)			
	[D] Substitution	and the second s			
	[D] Substitution	maint (b)			
11.	Rubiaceous is which type of stomata?				
11.	Rubiaceous is which type of stomata?				
	[A] Moss	THE REPORT OF THE PROPERTY OF			
	[B] Gramineous	- Albertalista rail			
		are medianless, [24]			
	ICI Dicotyledonous				
	[C] Dicotyledonous [D] Gymnospermous	Total Marit [0]			
	[C] Dicotyledonous [D] Gymnospermous	Sethbrook and months (D)			
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15.	Find the odd thing.					
	[A] Cinchona					
	IRI Senna					
	[C] Digitalis					
	[D] Vinca					
16.						
	[A] Jayphal					
	[B] Coriander					
	[C] Withania [D] Cinchona					
	Maria special to middle change a community					
17.	Which one of the following chemical "mutagens" is used to induce mutation?					
	[A] Colchicine					
	[B] Formaldehyde					
	[C] Veratrine					
	[D] Atropine					
18.	Which of the following statement defines "Chemodems"?					
	White down it means by mit shorty propore a cover may be an all the					
i	[A] Plant varieties with different morphological character [B] Plant varieties with altered microbiological make up					
88	[C] Plant varieties with altered chemical nature					
	D Plant varieties with altered physical constants	- 73				
60 10	"Lycopodium spore method" is which type of microscopic evaluation?					
19.		.5				
	[A] Quantitative					
	[B] Leaf constant					
	[C] Trichomes [D] Stomata	EL.				
20 0	[D] Stomata					
20.	One of the following chemical constituent is used to treat malaria?					
	[A] Reserpine					
	[B] Quinine [C] Digitoxin					
	[D] Vincristine					
	Section II					
Q 2	Attempt any FOUR of the following					
A	Describe in detail - Future scope of pharmacognosy	05				
В	Write a note on "Significant moments in history of pharmacognosy"					
C	What does it mean by term plant growth regulators? Classify them with suitable					
	examples	05				
D	Prepare a note on "plant growth regulator responsible for ripening of fruits".	05				
E	Prepare a note on "Auxin"	05				
${f F}$	Classify the plant drugs based on sources and location	05				

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SECTION - III

Q 3	Attempt any FOUR of the following	
A	Classify the plant drugs based on chief chemical constituent present.	05
В	Describe term - Adulteration. Write a note on various types of adulterants found	05
•	in market.	
C	Prepare a note on physical evaluation of plant drug.	05
D	Prepare a note on "Polyploidy with applications in the field of herbal drugs"	05
E	Prepare a note on "Therapeutic classification of crude drugs"	05
\mathbf{F}	Prepare a note on approaches proposed to administer polyploidy inducing agent to	05
	plant drug	
Q 4	Attempt any FOUR of the following	
A	What does it mean by mutation? Prepare a note on approaches proposed to induce mutation.	05
В	Cultivation of medicinal plant is preferred than collecting medicinal plants from wild sources. Justify sentence.	05
C	Enumerate different factors affecting quality of cultivated medicinal plants.	05
	Prepare a detail note on any two such factors	
D	Prepare a note on storage of medicinal plants.	05
E	What does it mean by stomatal index. Prepare a note on quantitative microscopy	05
F	Write a note on "Applications of hybridization in improving quality of herbal	05
	drugs"	

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Projects a note un "plant provide condition responsible for electrica of frages"

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Write a note on "Significant anomatican luggery of physican comments."

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Describe in deed - Functionappe of pharmacognics

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