Sl.No: M19167 Course Code: 2910403

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM (Deemed to be University)

B.PHARM. DEGREE EXAMINATION – August 2018 Fourth Year

ADVANCED PHARMACOGNOSY

ADVANCED PHARMACOGNOSY			
Time	: Three hours	Maximum:	90 marks
I. Wr	ssays on any TWO questions: $(2 \times 15 = 30)$		
2.	 (a) Define tissue culture and classify the tissue cultur (b) Enumerate the stages involved in the tissue cultur (c) Write the application of tissues culture in the phar (a) Explain the biosynthetic pathway for any one beta (b) Write note on biosynthesis of chloramphenical. (a) Write in detail the preparation stages involved in (b) Write standardization procedure for bhasmas (c) Explain the differences between ayurveda and side 	re rmacognosy a lactum anti the bhasmas	(5) (5) (5)
4. 5. 6. 7. 8. 9. 10. 11.	Write a note on use of gel electrophoresis in the composition based industries Define and classify the allergens. Write a note on different types of extraction process Detail the role of HPLC in the herbal drug analysis Write the biogenesis process for steroidal glycoside Write a note on WHO herbal assessment guidelines Write role of Radioactive isotopes in the biogenetic production between the procedures involved in the cosmetic production.	pound isolat production in pathway	n plant
III. W 14. 15.	Vrite short notes on any TEN questions: Define iodine value Write the botanical source, family, chemical constitution papain Write the stability parameters for herbal extracts.	`	$(0 \times 2 = 20)$ es for

- 17. Role of immobilized enzyme in drug analysis
- 18. Write a note teratogenic substances
- 19. Write a note on physical parameter evaluation in herbal drugs.
- 20. Define Unani system of medicine
- 21. Define callus
- 22. Name the drugs belong to aminoglycoside.
- 23. Antiviral agents from natural sources

24. Write the factors that affects the plant tissue culture.
