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BE - SEMESTER-VI (NEW) - EXAMINATION - SUMMER 2018

Subject Code: 2163605 Date: 08/05/2018 Subject Name: Technology of Solid Dosage forms & Medicinal Natural

Products

Time: 10:30 AM to 01:00 PM	Total Marks: 7	O
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Instructions:

(b)

(c)

Malaria?

1.	Attempt	all ด	mestions.
1.	Attempt	an q	ucstiviis.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a) (b)	What is Comminution? Describe briefly the types involved? Discuss the advantages and disadvantages of tablet dosage form?	03 04
	(c)	List the problems associated with coated tablets? Briefly explain any seven of them?	07
Q.2	(a) (b)	Write a note on Preformulation? Name two alkaloids present in <i>PapaverSomniferum</i> ? Write short notes on them?	03 04
	(c)	What are the major types of Tannins? Which tests are done to identify Tannins?	07
		OR	
	(c)	Describe the isolation &synthesis of Caffeine or Nicotine?	07
Q.3	(\mathbf{a})	Briefly describe the different methods of tablet coating.	03
	(b)	Describe the steps involved in tableting method using wet granulation?	04
	(c)	Illustrate the different types of Pharmaceutical factory layouts? OR	07
Q.3	(a)	What is roller compaction & slugging?	03
	(b)	What are the tests done for detection of cardiac glycosides?	04
	(c)	Explain counter current extraction? Discuss any two counter current extractors?	07
Q.4	(a)	How is Morphine converted to Codeine?	03
	(b)	What are the main tests for identification of Alkaloids?	04
	(c)	Describe how Phenylalanine and Tyrosine are made from Shikkimic acid pathway biosynthetically?	07
		OR	
Q.4	(a)	Describe Shikimate pathway or Mevalonate pathway?	03
	(b)	How are drugs classified? Briefly explain each classification.	04
	(c)	What is a 'genetic marker'? Describe its role in Herbal Drug Technology?	07
Q.5	(a)	What are organized and unorganized drugs?	03
	(b)	Describe "Simultaneous distillation and extraction" with the help of a neat diagram?	04
	(c)	What is a glycoside? How are Glycosides classified? List the main groups of glycosides?	07
		OR	
Q.5	(a)	What are the different types of capsules? Briefly describe each of them?	03

Discuss structure, source, isolation and synthesis of Menthol?

Discuss two drugs isolated from natural resources used in the treatment of

04

07