Seat No		Enrolment No		
	G	SUJARAT TECHNOLOGICAL UNIVE	RSITY	
	M. P	Pharm. – SEMESTER – III • EXAMINATION – WIN	TER • 2015	
Subje	ct Coo	de: 930001 D	ate: 05-12-2015	5
Subje	ct Nar	me: Experimental Design and Patents		
Time:	10:30	am - 01:30 pm	Total Marks: 80)
Instruc		_		
		tempt any five questions.		
		ake suitable assumptions wherever necessary.		
	o. rig	gures to the right indicate full marks.		
Q.1	(a)	What is ANOVA? Explain the importance of using AN pharmaceutical research.	NOVA in 0	6
	(b)	Define Factorial design. Describe the steps involved in analysis of factorial design batches.	doing the 0	5
	(c)	What are experimental designs? Explain the advantage disadvantages of various experimental designs.	s and 0s	5
Q.2	(a)	Explain giving examples: factors, main effects, interac-	tion effects. 0	6
	(b)	Describe various graphical representation of experiment in research.	ntal data used 0:	5
	(c)	Compare and contrast Box Benhken design and Plakett Design.	t Burman 0	5
Q.3	(a)	Describe full and reduced mathematical model in expedesign.	rimental 0	6
	(b)	Define checkpoint batch. Discuss check point batch in design.	factorial 0	5
	(c)	Write a note on Pharmacoinformatics.	0:	5
Q.4	(a)	What are claims in a patent? Using a suitable inventior draft the claims for a patent proposal.	n example, 0	6
	(b)	Describe the different parts of a patent.	0:	5
	(c)	Give the advantages and disadvantages of patent system		
Q.5	(a)	Define patents. A student is working on a research prosteps to find out whether the work is patentable or not.	ject. Suggest 0	6
	(b)	What is a laboratory notebook? How is it maintained?	0:	5
	(c)	Write a note on Patent Act 1970.	0:	
Q. 6	(a) (b)	Describe various forms to be submitted for patent appl Describe Trademarks and Copyright.	ication. 00	

Describe various software used for experimental design.

Explain patentable and non-patentable inventions giving examples.

Enlist patent related websites. How will you carry out patent related

(c)

(a)

(b)

search?

Write a note on types of patents.

Q.7

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