

DK-M-2011267

Seat No.

M. Pharm. (Sem. II) (CBCS) Examination April / May - 2015

International Regulatory Requirement (Pharma. Drug Regulatory Affairs) (Specialization Paper - IV) (Core Subject - IV)

(5	pecı	am	zatioi	n Paper - Iv) (Core Subject - Iv)	1		
Time	: 3 H	Iour	rs]	[Total Marks :	80		
Instru	uctio	ns	: (1) (2) (3) (4) (5)	Answer and tie up both the sections separate Figure to the right indicates marks. Answer the three (03) questions from each sect Question one (1) and question Five (05) compulsory. Draw neat and clean diagrams as required	ion. are		
				SECTION - I			
a	ıssura	ınce	? Discu	ifferentiate quality control and quality uss the role of QA and QC in pharmaceutical uitable example.	14		
2 (g	What is the difference between innovator product and 8 generic product? Discuss the role Hatch-Waxman law in generic drug development.					
(1	b) V	Vhat ioeq	t do yo uivale:	ou mean by bioavailability and nce? Why innovator product is comparatively er than generic product?	5		
,				te NDA and ANDA. e content of NDA as per US-FDA guideline.	8 5		
4 ((<u>;</u>	1) 2) 3)	ain the Invest Sponse Monite Subject	or or	8		
(•		=	armacovigilance in clinical trial.	5		
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SECTION - II

5	What is CTD? Differentiate CTD and eCTD. Discuss the				
	nee	d and content of CTD in detail.			
6	(a)	What is marketing authorization? Discuss in detail.	8		
	(b)	Write an informative note on SUPAC.	5		
7	(a)	Explain the term non clinical drug development.	8		
		Discuss submission of investigational new drug as per US- FDA guideline.			
	(b)	Discuss the basic structure of clinical trial protocol.	5		
8	(a)	Discuss the role of:	8		
		(1) 21 CFR			
		(2) ICH			
		(3) GLP			
		(4) GLP			
	(b)	Write a short note on CRO.	5		