Enrollment No: Exam Seat No: C.U.SHAH UNIVERSITY Summer Examination-2018						
Subject Name: D	rug Regulatory Aspects & IF	PR				
Subject Code: 4PS08DRA1		Branch: B.Pharm				
Semester: 8	Date: 08/05/2018	Time: 02:30 To 05:30	Marks: 70			
(2) Instructio(3) Draw nea		y other electronic instrument is pook are strictly to be obeyed. cessary) at right places.	orohibited.			

Q-1 **Define the following terms (14)** a) e-CTD **b)** Supplemental NDA RLD c) Orange book d) Green book e) Geographical Indication f) Intellectual Property rights g) Orphan drugs h) Patent i) Sponsor **j**) Trade-Related Aspects of Intellectual Property Rights (TRIPS) k) World Trade Organization (WTO) m) The Intellectual Property Appellate Board (IPAB) Center for Drug Evaluation and Research (CDER) Attempt any four questions from Q-2 to Q-8

Q-2		Attempt all questions	(14)
	a.	Explain various phases of Drug Development and Approval process as per	(7)
		USFDA	
	b.	What are the clinical trials? How are they organized as a part of drug discovery?	(7)
Q-3		Attempt all questions	(14)
	a.	Give the concept of ANDA & prepare flow chart showing ANDA review process	(7)
	b.	Differentiate INDA and ANDA. Describe various type of INDA.	(7)
Q-4		Attempt all questions	(14)
	a.	Write a note on review process of NDA	(7)
	b.	Explain in detail about Investigator Brochure	(7)
Q-5		Attempt all questions	(14)
	a.	Write a note on TGA.	(7)



b.

Write a note on IIG.

(7)

Q-6		Attempt all questions	(14)
	a.	Explain the role of quality assurance.	(7)
	b.	Write a note on PCT application.	(7)
Q-7		Attempt all questions	(14)
	a.	Discuss patent analysis & patent drafting	(7)
	b.	Discuss Hatch-Waxman Amendments and its impact on Pharmaceutical industry.	(7)
Q-8		Attempt all questions	(14)
	a.	Explain non-patentable inventions as per Indian patent Act.	(7)
	b.	Define and explain the importance patent search. Discuss the different sources for patent search.	(7)