BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

.	(END SEMESTER EXAMINATION)		
CLASS: BRANCH		SEMESTER : II SESSION : SP/19	
TIME:	SUBJECT: MQA202T PHARMACEUTICAL 3 HOURS	VALIDATION FULL MARKS: 75	
1. The c 2. Cand 3. The c 4. Before	STRUCTIONS: The question paper contains 7 questions each of 15 marks and total 105 marks. Candidates may attempt any 5 questions maximum of 75 marks. The missing data, if any, may be assumed suitably. Before attempting the question paper, be sure that you have got the correct question paper. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.		
Q.1(a) Q.1(b)	Describe briefly about calibration, qualification and validation What do you mean by FAT & SAT? Explain in detail about var		7] 8]
Q.2(a) Q.2(b)	Justify the role of intellectual property right in pharmaceuti Define Patent and discuss about significance of PCT in paten		7] 8]
Q.3(a) Q.3(b)	Explain the qualification of Pharmaceutical water system. Explain the qualification of Dissolution test apparatus		7] 8]
Q.4(a) Q.4(b)	Discuss the Computerized system validation with respect to Define and differentiate between digital signature, electroni		7] 8]
Q.5(a) Q.5(b)	Discuss the Validation of facilities in sterile plant. Explain the validation of analytical method used in cleaning		7] 8]
Q.6(a) Q.6(b)	Define and discuss the types of process validation with suita Discuss the Validation of an analytical method as per ICH gui		7] 8]
Q.7(a) Q.7(b)	Explain the qualification of UV-Visible spectrophotometer. Explain the qualification of Tablet Compression Machine.		7] 8]

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