

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP2023)

CLASS: BTECH
BRANCH: IT

SEMESTER : VI
SESSION : SP2023

SUBJECT: IT305 SOFTWARE ENGINEERING

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

		CO	BL
Q.1(a)	Draw the diagram of waterfall model.	[2] [CO1][CO3]	[BL3]
Q.1(b)	Differentiate between plan driven models and agile methods.	[3] [CO1][CO3]	[BL3]
Q.2(a)	Describe briefly spiral model.	[2] [CO1][CO3]	[BL5]
Q.2(b)	Describe the benefits of prototyping.	[3] [CO1][CO3]	[BL5]
Q.3(a)	Briefly tell the metrics for specifying non functional requirements.	[2] [CO1][CO3]	[BL3]
Q.3(b)	Draw the complete diagram of requirement engineering process.	[3] [CO1][CO3]	[BL3]
Q.4(a)	List the different ways in which Software Requirement Specification is written.	[2] [CO1][CO3]	[BL6]
Q.4(b)	Describe the readers of user requirements and system requirements separately.	[3] [CO1]	[BL5]
Q.5(a)	Requirements should be _____ and _____.	[2] [CO1]	[BL6]
Q.5(b)	Give an example of each of the following non functional requirements. Performance requirements, Accounting requirements, Operational requirements.	[3] [CO1]	[BL3]

::::::23/02/2023::::::M