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

CLASS: BRANCI	MTECH (EXECUTIVE) H: CS	SEMESTER : II SESSION : SP/2022	2
TIME:	SUBJECT: CS636 EVOLUTIONARY COMPUTING 3 Hours	FULL MARKS: 50	
 INSTRUCTIONS: 1. The question paper contains 5 questions each of 10 marks and total 50 marks. 2. Attempt all questions. 3. The missing data, if any, may be assumed suitably. 4. Before attempting the question paper, be sure that you have got the correct question paper. 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall. 			
Q.1(a)	How Evolutionary Algorithm is different from Conventional Techniques? Explain with different [5] verticals.		[5]
Q.1(b)	What is Fitness Function? Design two fitness function for any two applications and discuss the [5] impact of your design.		[5]
Q.2(a) Q.2(b)			[5] [5]
Q.3(a) Q.3(b)			[5] [5]
Q.4(a) Q.4(b)			[5] [5]

Q.5 State any implementation using Genetic Based machine Learning approach [10]

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