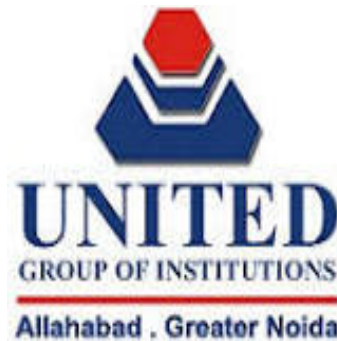# Assignment
on
Application of Soft Computing

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	Assignment of Soft Computing		
	Part-A		
S.No.	**Questions**	**Blooms Texonomy Level**	**Course Outcomes**
1	What are the aims of using soft computing?	L1	CO1
2	Who initiated the idea of Soft Computing?	L1	CO1
3	What is Soft Computing?	L1	CO1
4	Difference between BNN and ANN?	L4	CO1
5	Explain the meaning of term "Artificial Intelligence"?	L2	CO1
6	What is artificial neurons?	L1	CO1
7	What are the 2 types of learning?	L1	CO1
8	What do you mean by hard computing?	L1	CO1
9	Why is Soft Computing important?	L1	CO1
10	What are the major 4 parts of the neuron?	L1	CO1
11	What is Synaptic Transmission?	L1	CO1
12	Name any 4 types of Neurotransmitters?	L2	CO1
13	What is electrical communication in neurons?	L1	CO1
14	what do you understand by Action potential?	L2	CO1
15	Define the term Artificial Intelligence (AI).	L1	CO1
16	Give an example of system that: a. Acts like humans	L2	CO1
17	State atleast two characteristics of neural networks?	L1	CO1
18	what are the Types of transfer functions?	L1	CO1
19	Define the term . Biological Neural network?	L1	CO1
20	What is activation function?	L1	CO1
21	The foundation of AI was laid with the development of ——— theory?	L1	CO1
22	———- networks were used to stimulate brain functioning.	L1	CO1
23	Distinguish between Biological neuron and Artificial neuron?	L4	CO1
24	Define the term Artificial Neural network?	L1	CO1
25	What is chemical communication in neurons?	L1	CO1

Part-B			
S.No.	Questions	Blooms Texonomy Level	Course Outcomes
1	What is Soft Computing? Explain how it is different from hard computing?	L1	CO1
2	How do Neurons Communicate?	L2	CO1
3	What is neural network, explain its types also?	L1	CO1
4	What are the Fundamental Types of Neurons?	L1	CO1
5	Explain the meaning of term "Artificial Intelligence"?	L2	CO1
6	State at-least two points of difference between: a. Systems that thinks like human and systems that act like human. b. Systems that thinks like human and systems that thinks rationally.	L4	CO1
7	"Hard computing and soft computing are dependent on each other." Justify the statement.	L5	CO1
8	"Soft computing plays an important role in science and engineering." Justify	L5	CO1

Part-c			
S.No.	Questions	Blooms Texonomy Level	Course Outcomes
1	Explain Biological Neural network in terms of Axom, Synapse, dendrites, Synaptic Gap?	L2	CO1
2	What is the convergence criterion of genetic algorithm?	L1	CO1
3	Write major difference between Auto-associative and Hetro-associative memory?	L3	CO1
4	Briefly explain the nerve structure with the help of diagram?	L2	CO1
5	Discuss three basic types of neuron connection architecture with digram?	L2	CO1

Signature of faculty member:.........................

Signature of HoD:...................................