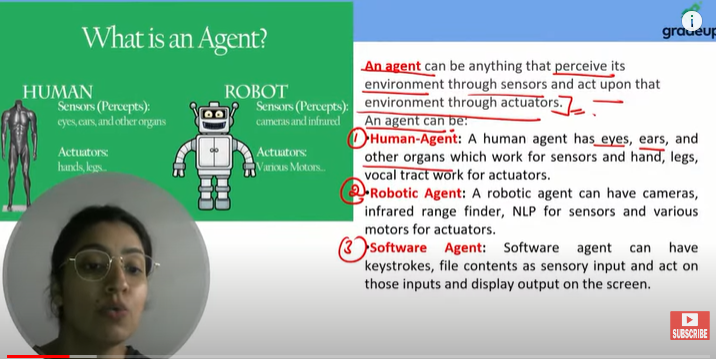
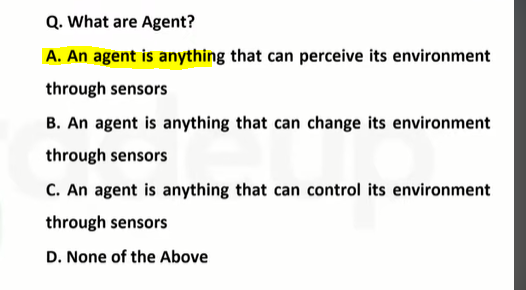
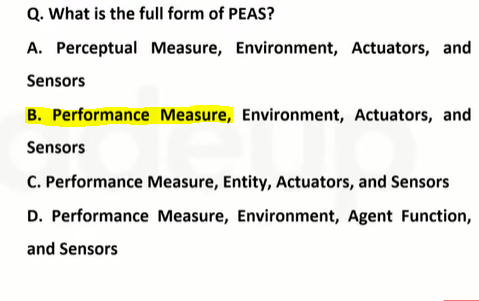
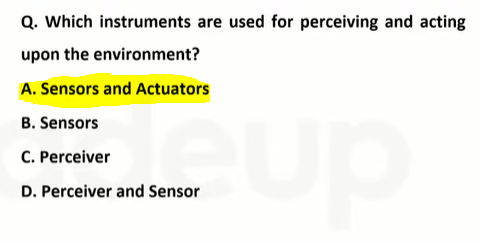
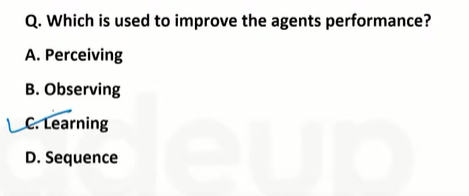
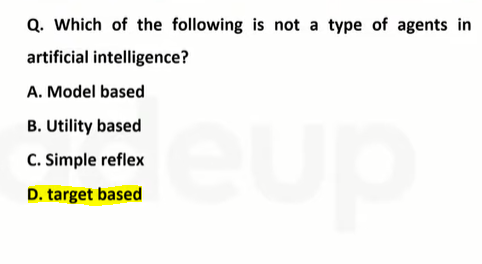
**Chapter 5: Multi Agent Processing**

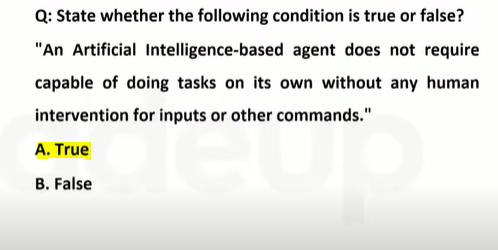
Model Questions

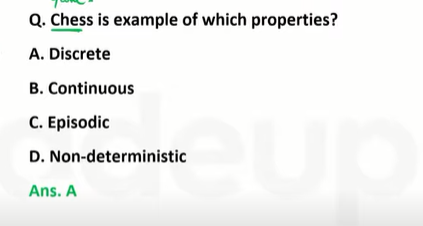


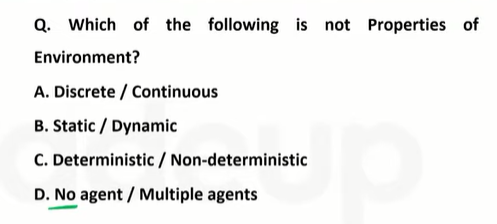


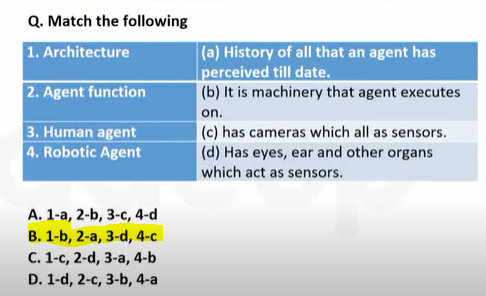


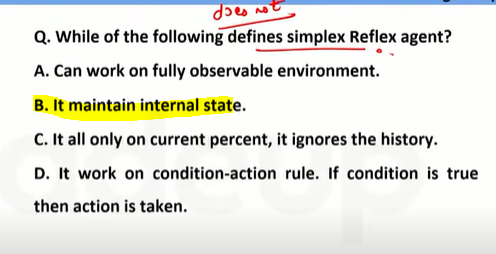


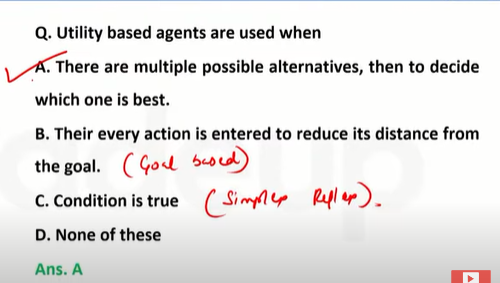






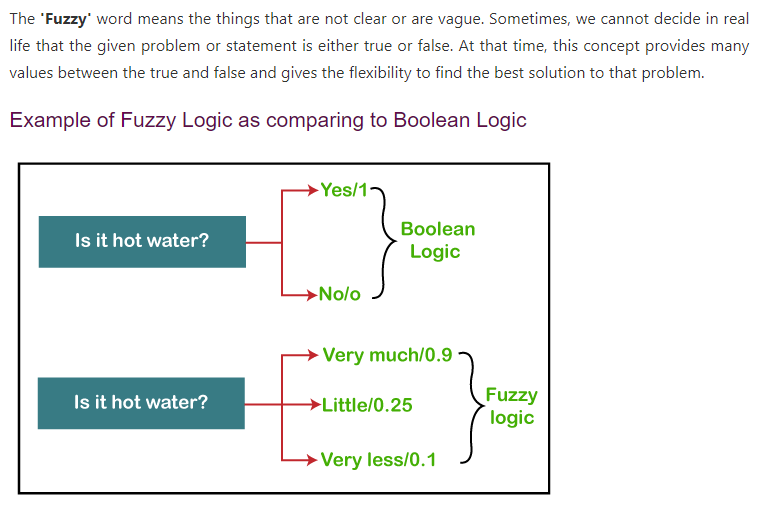


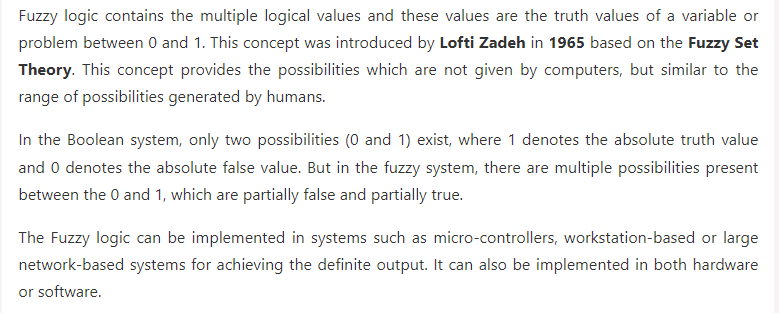


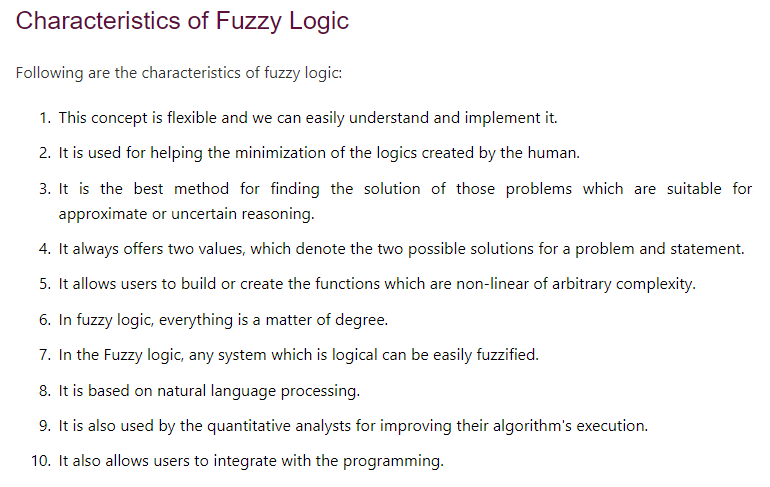


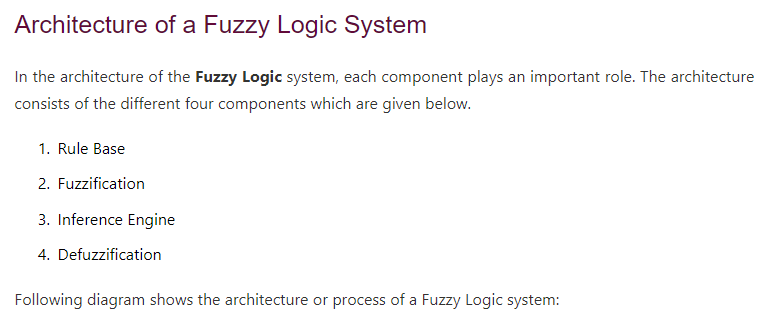
[https://letussharehere.blogspot.com/2022/12/unit-10-ugcnetcs.html](https://www.youtube.com/redirect?event=comments&redir_token=QUFFLUhqbXVRQ2IxU3dSYU00NnZRV3FmOTktNTNEU3Rjd3xBQ3Jtc0trSW5qcmdKNGdXZDlHQ213b2Q0NllVZG8tLXI3ckNoaGdnNElDRy1jUU44ZXl5YmpBOXFQNlNIbXNmQTNsR2szRzVhS3BlelhlNEFBWnlHWkZ4aTVGd0dFdW5TLS1iRVU4M2hfREVZa1pQdUhmdUlxWQ&q=https%3A%2F%2Fletussharehere.blogspot.com%2F2022%2F12%2Funit-10-ugcnetcs.html&stzid=UgwNTJg9F1yZXm4e1C94AaABAg)

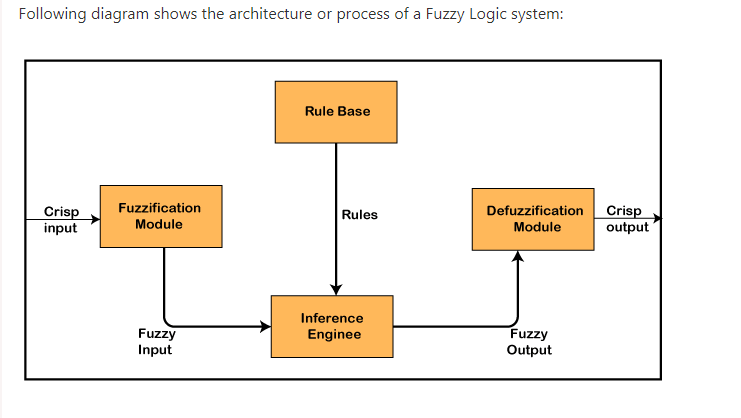
**Chapter 6: Fuzzy Sets**

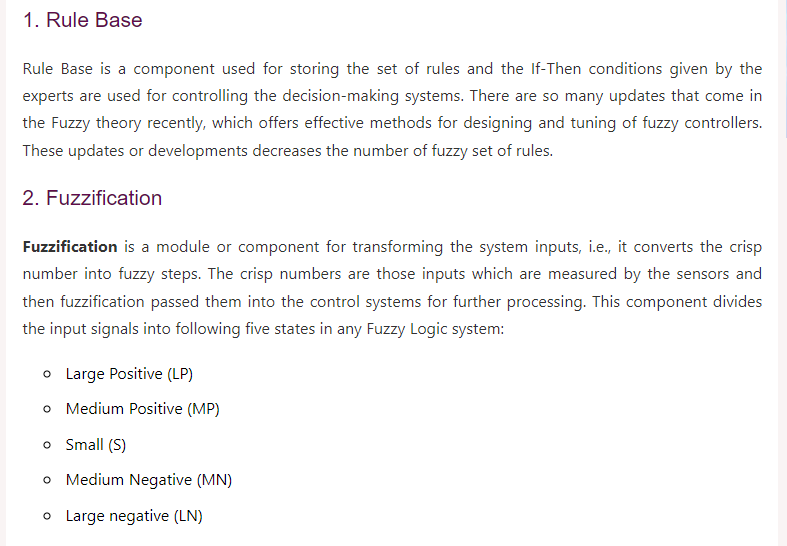


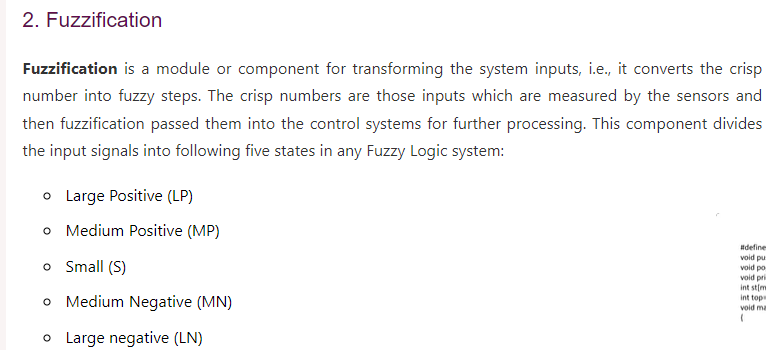


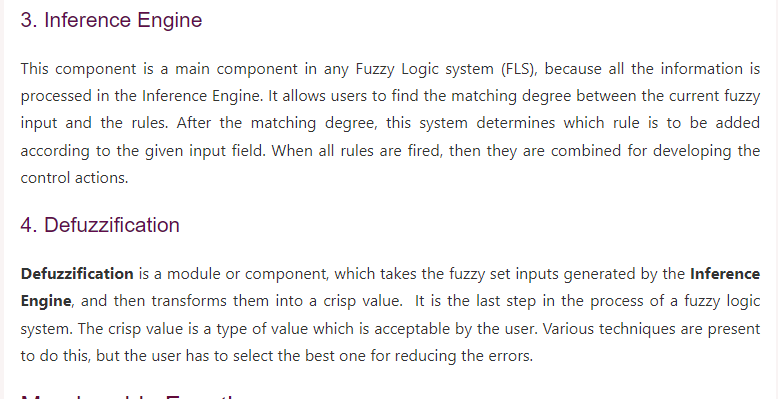


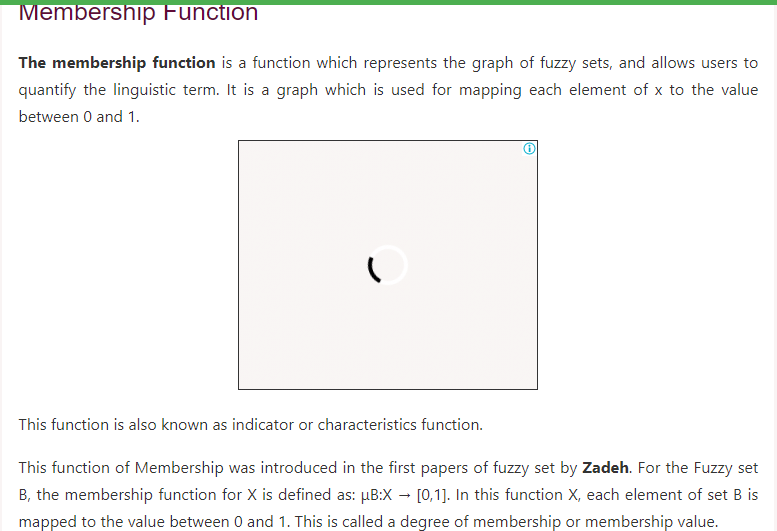


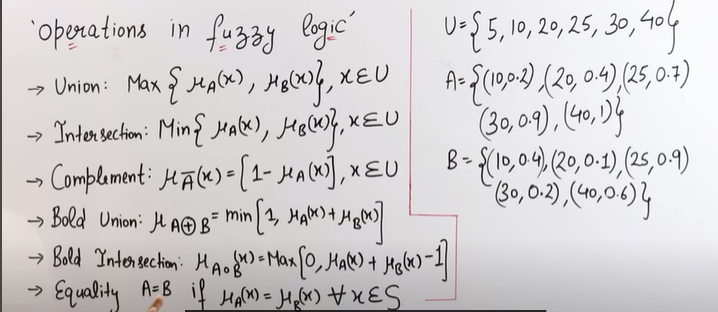




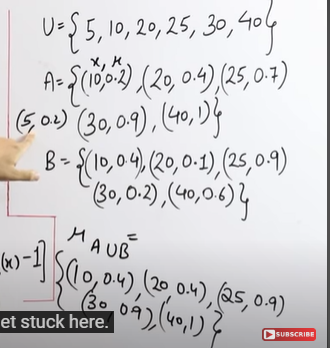




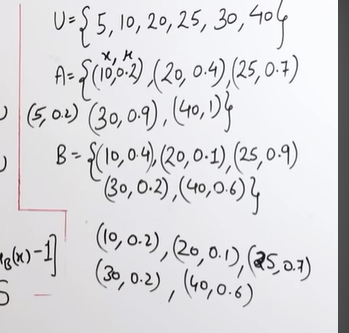




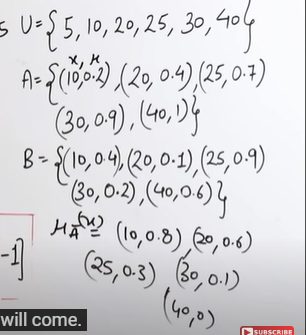
**Union Operation**



**Intersection Operation**



**Complement**

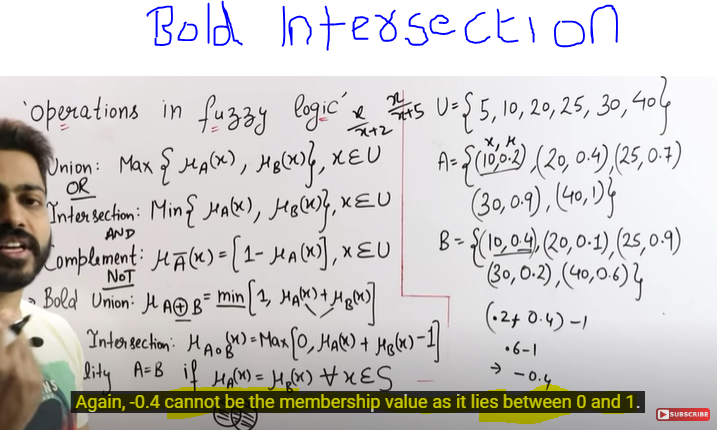
**1-0.2=0.8**

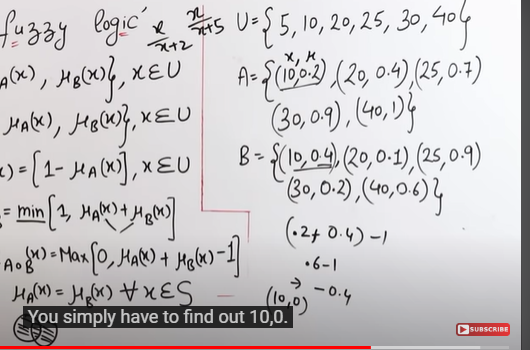
**Bold Union**



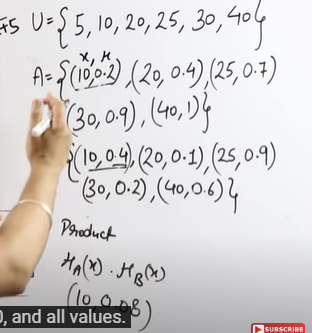
**0.2=0.4=0.6 so the first value will be (10,0.6)**

**Its greater than 1 ie 1.6 then will take as 1**



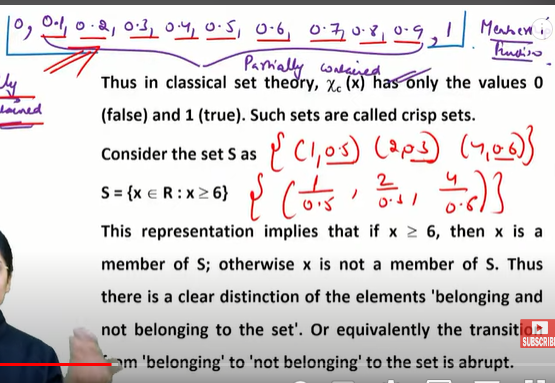


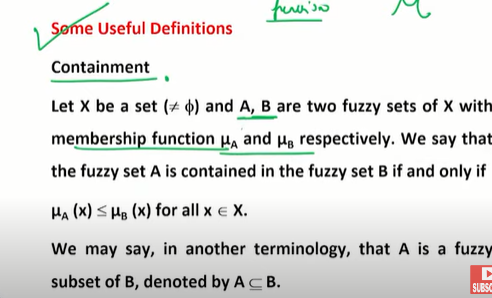
**Product**

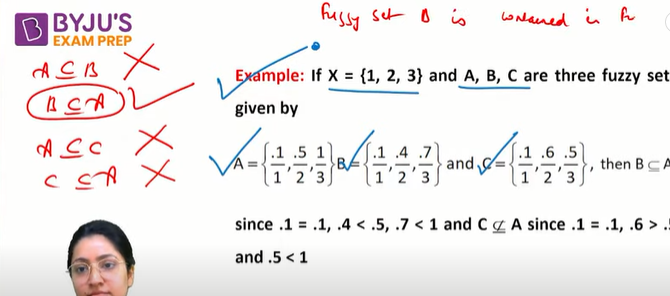


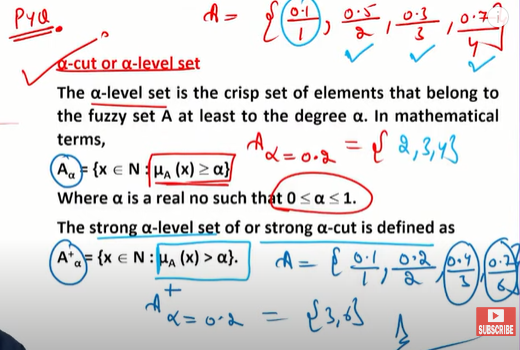
**Equality means in set a and B contain equal values otherwise inequality will created.**

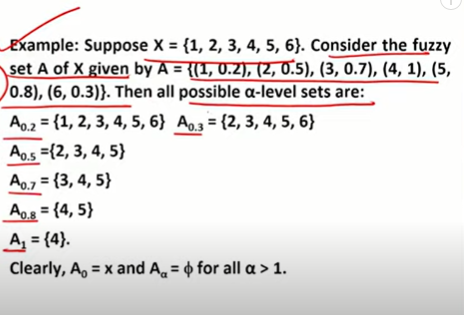
**Membership functions in Fuzzy set**

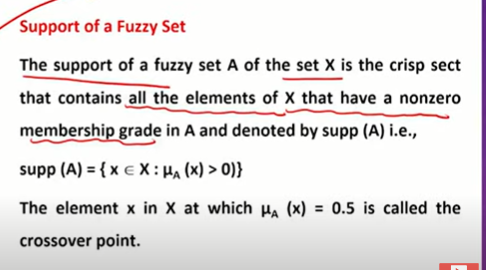


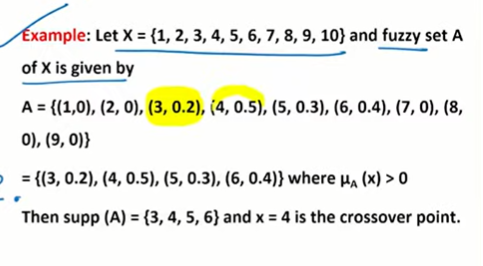




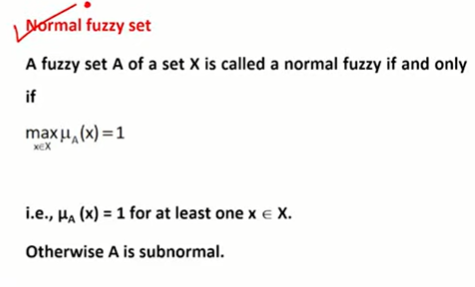


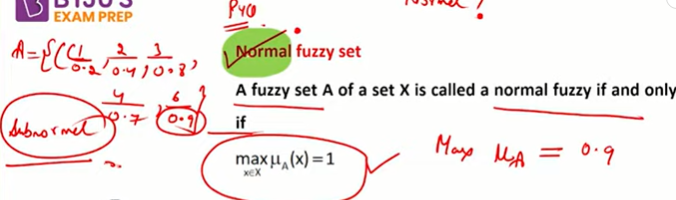




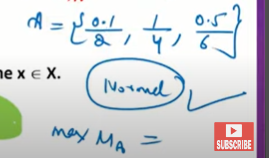


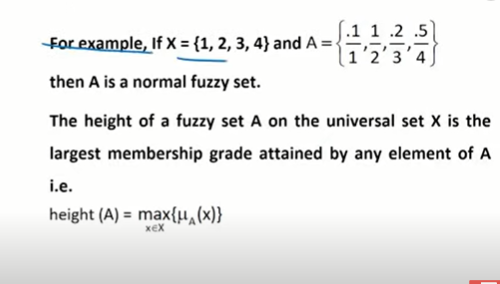
**Whose membership function is exactly equal to 0.5 that is crossover point.**





**0.9 is not equal to 1 so it is subnormal**

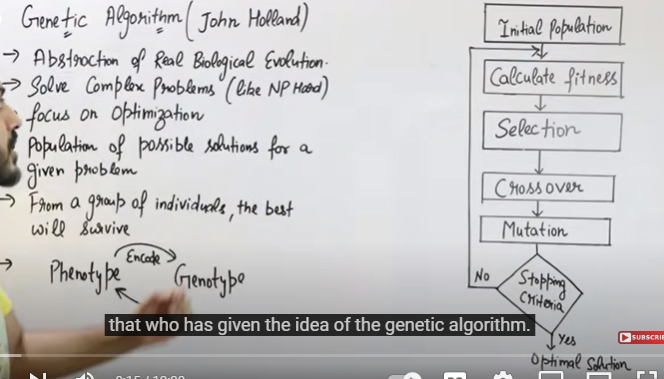




**Height is also equal to the maximum membership function.if height=1 then that fuzzy set is called normal fuzzy set.**



**Chapter 7:** **Genetic Algorithms**





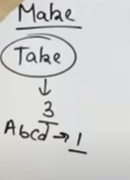






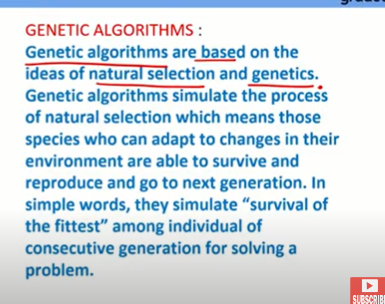
We call it a genotype. Phenotype is a raw solution and encode the raw solution into genotype.(in the form of decimal,integer etc)

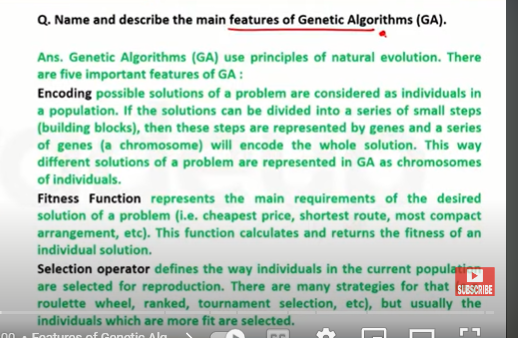
Calculate fitness

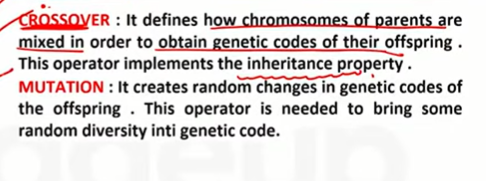


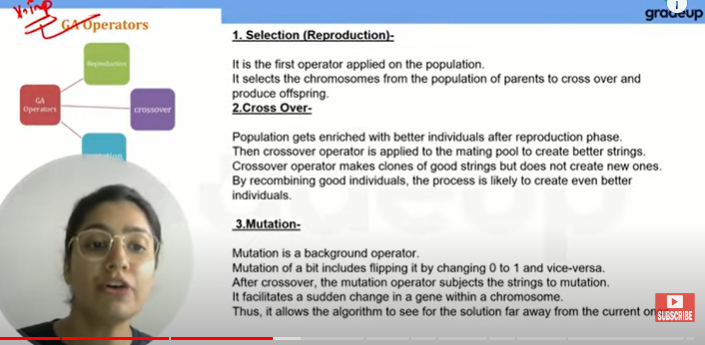
Randomly select one value and after how many values are there in the list just swap it. Fitness value is greater than the previous value through the mutation and crossover then it will stop.

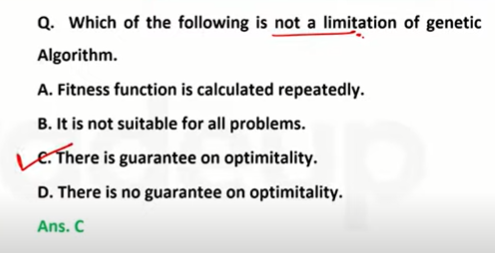
Stopping criteria is known as convergence. convergence is the end point where the fitness value is highest.

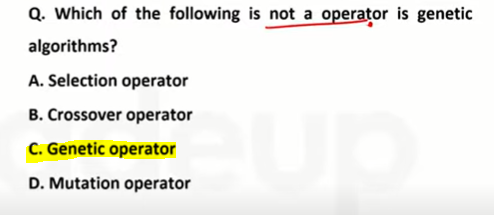


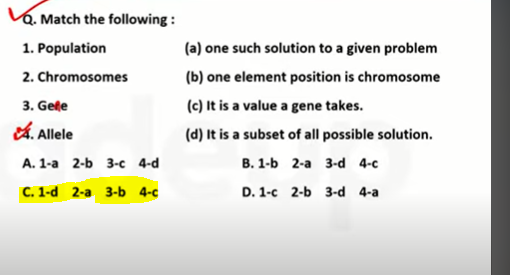




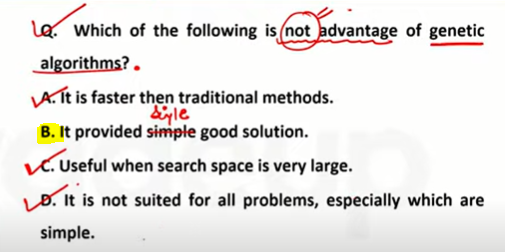


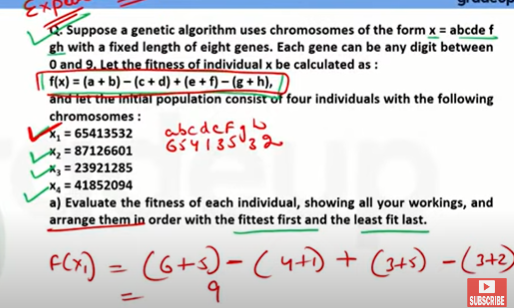




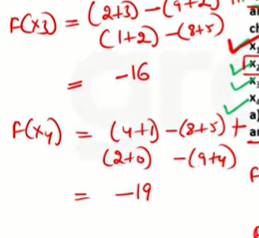


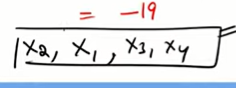




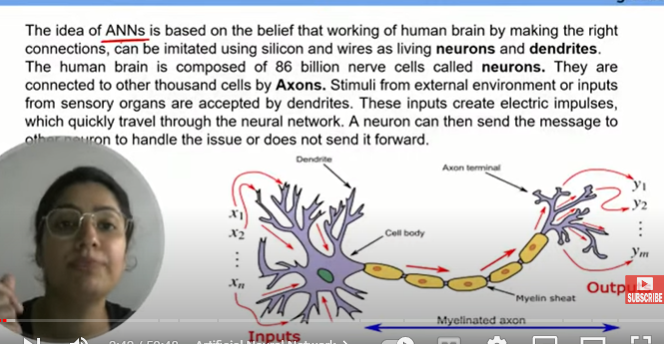


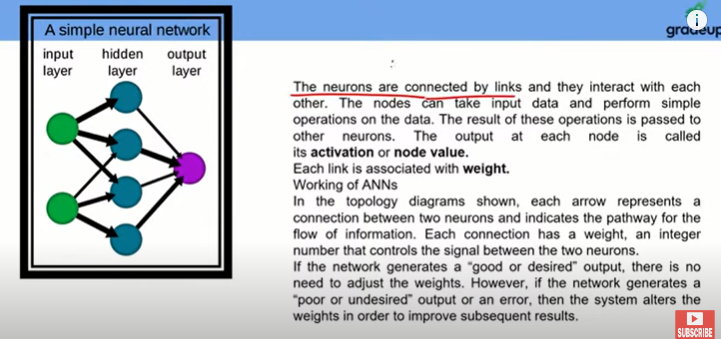


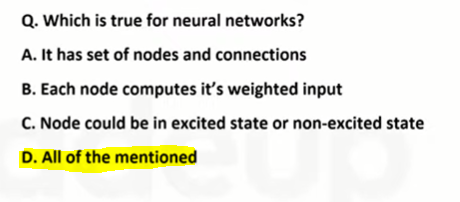


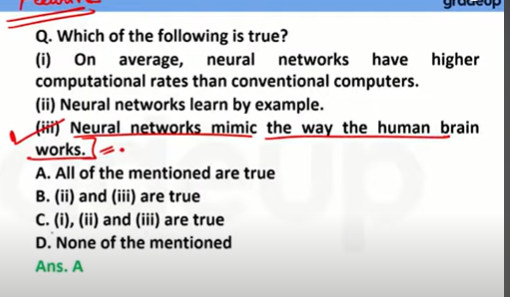
Order-

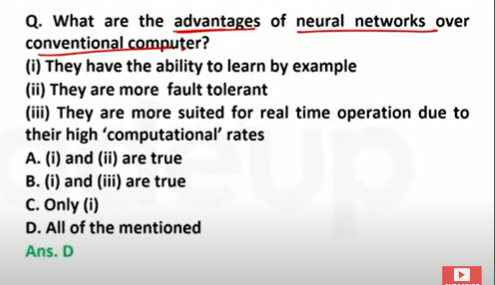
**Chapter 7: Artificial Neural Network**

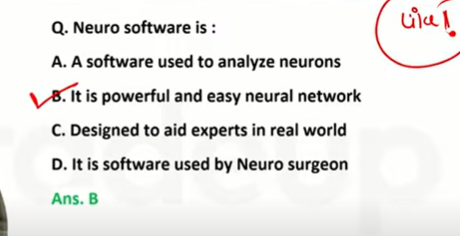


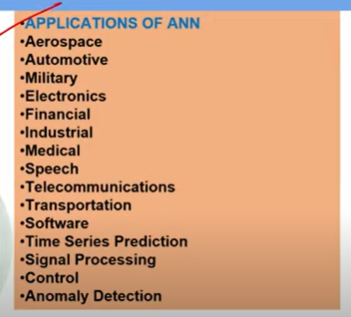




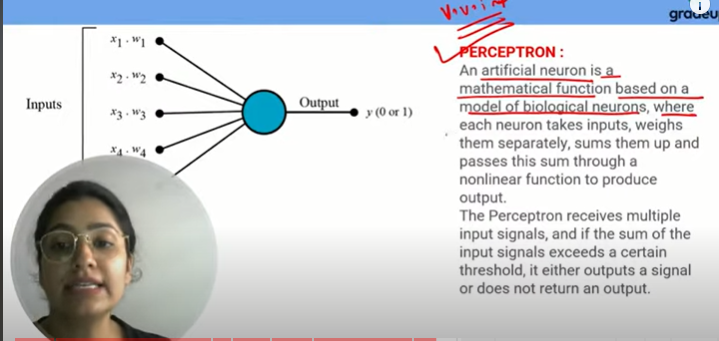


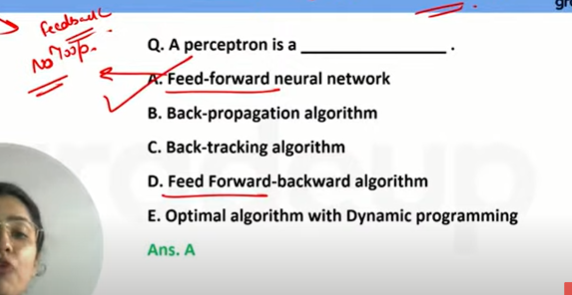


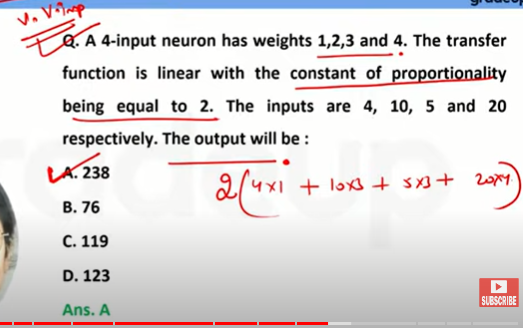


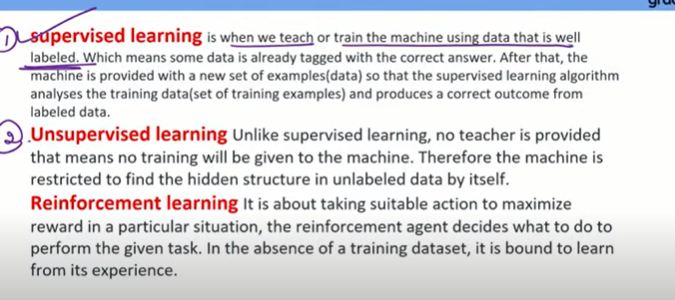












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