Answer the following questions.

(a) Is Evolvable Hardware systems scalable? Explain.

(b) Explain the stalling effect in the fitness function. How does one overcome the stalling effect? Mention at least two methods.
(c) Describe the concept of General Disjunction Decomposition (GDD) for Evolvable Hardware. Provide diagrams and tables where necessary.
Answer the following questions.

(a) What is a neural network ensemble?

(b) What is the difference between an Elman recurrent neural network and a Jordan Simultaneous recurrent neural network?
Answer the following questions.

(a) What is the difference between Dynamic Programming and Approximate Dynamic Programming? Describe with equation(s).

(b) What are Adaptive Critic Designs (ACDs) and why is it said that they have potential to replicate brain-like intelligence?
Describe with aid of diagrams and equations the neural dynamic programming technique of ACD. Training of Critic and Action networks should be described.