

Solution Assignment # 03

Spring 2012

Marks: 20

Answer:

The best option for the Fault Diagnosis System is Computer Expert System in the given scenario. The reasons for the selection of Computer Expert System are as under:

- ✓ Computer Expert System can be available for 24 hours a day and 365 days of year. System composed of Human Experts can't fulfill this requirement.
- ✓ Training of new human experts will be easy through the use of Computer Expert System as compared to Human Expert System.
- ✓ Computer Expert System provides permanent documentation of the decision process as it difficult in case of Human Expert System.
- ✓ Error detection is easier by using the Computer Expert System as compared to Human Expert System.
- ✓ Production will be faster by using the Computer Expert System as compared to Human Expert System as it never get tired.
- ✓ It is very difficult to combine the knowledge of experts in Human Expert System as compared and in case of Computer Expert System, it is easily combined the knowledge of human experts.
- ✓ The decision process is very quick by using the Computer Expert System as compared to Human Expert System.
- ✓ Human Expert System is more costly than Computer Expert System.