

**Bharati Vidyapeeth**  
**(Deemed to be University), Pune**  
**School of Distance Education**

<b>Assignment No.</b>		<b>Name of the Assignment Setter:</b>	<b>Dr. M. K. Patil</b>		
<b>Course:</b>	<b>MCA</b>	<b>Class:</b>	<b>MCA II</b>	<b>Semester:</b>	<b>III</b>

<b>Subject:</b>	<b>Artificial Intelligence</b>
-----------------	--------------------------------

**Q.1) Attempt ANY ONE of the Following (1000 Words) (10)**

How do you represent a problem and its solution in perspectives of AI?

- a) Illustrate it by explaining water jug problem.
- b) Explain resolution in propositional logic.

**Q.2) Attempt ANY TWO of the Following (800 Words) (12)**

- a) Explain different knowledge representation approaches and issues.
- b) Explain Bay's Theorem.
- c) Explain semantic nets with example.
- d) Explain different planning techniques used in AI.

**Q.3) Write Short Notes on (ANY TWO) (08)**

- a) Semantic Analysis
- b) Learning techniques of Neural Network
- c) Game Playing
- d) Applications of AI

\* \* \* \* \*