

Questions for MiD-1 from UNIT-1, UNIT-2 and UNIT-3

- 1 a) Explain about knowledge-based systems?
b) Explain the hypothesis of knowledge in case of Smart Door Lock System?
- 2 a) Discuss about Role of Logic?
b) Write about epistemology with example?
- 3 a) Explain briefly about representing knowledge in logic?
b) Write the difference between
i) Model theory and Proof theory
ii) Meta-language and Ontology?
- 4 a) Write and represent the core idea of below terms i) name ii) Type and iii) Measures?
b) Explain about Unity Amidst Diversity in logic?
- 5 a) Explain about syntax and semantics with examples?
b) Write about rules of inference?
- 6 a) Discuss about ontological categories?
b) Explain different issues raised in cyc-ontology?
- 7 a) Write about Quine criterion and Microworld with example?
b) Explain about Heraclitus logos and Plato's ideas?
- 8 a) Give a brief explanation about Aristotle and KANT categories with examples?
b) Discuss about Hegel's approach and Pierce's categories with example?
- 9 a) Write about Husserl and intentionality with example?
b) Explain about WHITEHEAD and Heidegger's categories
- 10 a) Explain different types of emotions and top-level categories of emotions?
b) Explain Pierces categories in case of classification of systems?
- 11 a) Explain about continuant and occurrent with example?
b) Write about time and scale?
- 12 a) Explain about combination of categories?
b) Write about Lattice structure?
- 13 a) Write a brief note on key axioms with examples?
b) Describe physical entity with respect to classification by structure and explain the following terms i) Role ii) signs and iii) Semiotics?
- 14 a) Describe briefly about abstraction with respect to Geometry and Mathematics along with Monads principle?
b) Explain about knowledge engineering with example?

15 a) Write about Space and Time?

b) Write the principles of knowledge engineering?

16) Write about approaches of formalization?

17 a) Explain about ontological commitments?

b) Explain about Frames in representing knowledge structures?