Total No. of Questions : 4]		SEAT No. :
PA-10313	[60007\A29	[Total No. of Pages : 1

[6009]-438 T.E. (Computer Engineering) (AIML) (Insem) **ARTIFICIALINTELLIGENCE (Honors)**

(2019 Pattern) (Semester-11) (310303)
Hour] [Max. Marks : 30
ions to the candidates:
Answer Q.1 or Q.2, Q.3 or Q.4. Neat diagrams must be drawn wherever necessary.
Figures to the right indicate full marks.
Assume suitable data, if necessary.
Assume sumble um, if necessary.
Explain the following terms [5]
i) Covariance
ii) Correlation Coefficient
iii) Chi Square
What is Artificial Intelligence? How is it different from Machine Learning?[5]
What is Rationality? Describe Ideal Rational Agent. [5]
OR
What is the relationship between Covariance, Correlation Coefficient,
Chi Square? [5]
How is the task environment specified? Write the PEAS description of
the task environment for an automated taxi. [5]
What are the four kinds of basic Agent Programs? Explain any 1 in
detail. [5]
List and explain any 2 problems that fall in the category of constraint
satisfaction problems. [5]
Solve the CSP (crytarithmatic problem) SEND+MORE MONEY. [5]
Explain the A* algorithm in detail. [5]
OR
What are the different types of Local Consistency in CSP. [5]
Explain the following functions in relation to A * algorithm f, g and h.[5]
What is Hill Climbing Search? Explain the following concepts w.r.t Hill
Climbing Search. Local maxima, Global maxima, Ridge, Plateau. [5]
Chinomis Scarcii. Locai maxima, Giobai fraxima, Riuge, i iateati.