

Hall Ticket No:

Question Paper Code: 18MCAP409

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA(2Yrs) II Year I Semester (R18) Supplementary End Semester Examinations – October 2020

(Regulations: R18)

ARTIFICIAL INTELLIGENCE

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A) Illustrate Production systems in Artificial Intelligence. 12M

OR

Q.1(B) List and Explain about the various applications of AI. 12M

Q.2(A) Illustrate Decision Search Tree to fix game strategy. 12M

OR

Q.2(B) Explain the Nash Equilibrium Game theory and Apply the Nash Equilibrium's Tit for Tat strategy for the given values. Use minimum price as 50 Rs. and maximum Price as 200 Rs. and Balanced price as 100 Rs. 12M

Q.3(A) Apply Baye's rule for diagnosing a disease with condition/known factor. 12M

OR

Q.3(B) Apply Proportional Logic for the given sentence with Syntax and Semantics. 12M
He is working hard and He will improve the society.

Q.4(A) How Forward Chaining method applied in Knowledge Representation? 12M

OR

Q.4(B) Use the phrases given below: 12M
It is a crime for an Indian to sell weapons to inside or outside the nation
Apply Forward Chaining Method to reach the goal of fixing a person as Criminal

Q.5(A) Brief the AI Ethical Principles and Prerequisites followed by Microsoft and Google. 12M

OR

Q.5(B) Why do we need Ethical Principles in AI? Explain Ethical Principles from Computer and Internet Society (CIS), India. 12M

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Hall Ticket No:

Question Paper Code: 18MCAP114

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA(2Yrs) II Year I Semester (R18) Supplementary End Semester Examinations – October 2020

(Regulations: R18)

AGILE SOFTWARE DEVELOPMENT PROCESS & DEVOPS

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.

In Q.no 1 to 5 answer either Part-A or B only

Q.1(A) What do you understand by System Development Life Cycle? Compare the Structured Analysis and Design and Object Oriented Analysis. 12M

OR

Q.1(B) Explain Waterfall model and V-model with their advantages and limitations. 12M

Q.2(A) Define agile software development process. Explain the benefits and principles of agile development in detail. 12M

OR

Q.2(B) What is Scrum? Explain briefly about Sprint, Sprint planning, and Sprint retrospective. 12M

Q.3(A) What do you understand about Code Refactoring and its importance in software design? Explain each step of to implement Red-Green-refactoring technique. 12M

OR

Q.3(B) Explain different roles and their responsibilities in XP. 12M

Q.4(A) Explain continuous feedback and Team experimentation. Discuss the key components to implement team experimentation. 12M

OR

Q.4(B) What is the Telemetry? Explain monitoring telemetry is so important than the system being monitored. 12M

Q.5(A) What is the importance of Customer feedback in DevOps. Explain all the matrices to implement customer feedback. 12M

OR

Q.5(B) What do you understand about visibility of work in DevOps? Explain various capabilities in detail. 12M

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