97693

BCA 6th Semester (Only Re-appear)

Examination, December-2024

ARTIFICIALINTELLIGENCE

Paper-BCA-308

Time allowed: 3 hours] [Maximum marks: 80 Note: Attempt five questions in all selecting at least one question from each unit. Question No.1 is compulsory. All questions carry equal marks. Explain the following: (a) Importance of AI Problem space. (b) Syntactic processing Representing instances (d) Uses of expert system (e) Representing simple facts in logic Constraint satisfaction Learning by taking advice What is Learning Explain feet Tearsing at 61=2×8 explanation based learning in detail Explain the following in Chinu

Explain the AI (Artificial Intelligence) and its related field in detail. Also explain AI techniques in detail. 16

Discourse and pragmatic procession

97693-P-3-Q-9(24)

[P.T.O. @

Unit-IV

16

3.	Expl	ain the following in detail:	
	(a)	Hill Climbing 8	
	(b)	Issues in the design of the search problem 8	
Ç)		Unit-II Januar E dan ollo ong	
4.	Expl	ain the following in detail:	
. 6	(a)	Computable function and predicate 8	
	(b)	Various approaches used in knowledge representation 8	
5 ,	the syste	characteristics of a knowledge representation? What are characteristics of a knowledge representation em? Explain how can inheritable knowledge be esented?	
		Unit-III	
6.	(a)	What is natural language processing? Also explain semantic processing in detail.	
	(b)	What is Learning? Explain rote learning and explanation based learning in detail.	
7.	Expl	lain the following in detail:	
	(a)	Learning in problem solving 8	
	(b)	Discourse and pragmatic processing 8	,
976	93		

•	What is Knowledge? Explain the concept of repr	esenting
	using domain specific knowledge in detail.	16

What is an Expert System? What are the different applications of expert systems?

Explain the concept of expert system shells in detail.

97693

BCA 6th Semester (Only Re-appear)

Examination, December-2024

INTRODUCTION TO . NET

Paper-BCA-309

Time allowed: 3 hours]

[Maximum marks: 80

- Note: (i) Attempt five questions in all by selecting one question from each unit. Question No.1 is compulsory.
 - (ii) All questions carry equal marks an mislax
- 1. What is function overriding? agyl sis Gyr (s) block (a)
 - Why C# is more object-oriented?
 - (c) What are abstract classes?
 - (d) What are control constructs in C#?
- (e) What is automatic memory management?
- (f) What is metadata in .NET?

- (b) What is a method in the How a method is involved 2. What is Visual-Studio. Net? Enumerate its estimes capabilities for C# application development.
 - What are web forms? What are their salient (b) features? What are the components of a web form? Operator preced guidance of the state of the

97694-P-3-Q-9(24)

for and foreach loops IP.T.O. 16946

7.

- (a) NET Framework
- Namespaces in .NET

Unit-II

- (a) What are Class Libraries in C#? Illustrate.
- (b) What is C#? How it is different from Java? Explain. COM DESSIBLE
- Explain the following: (10)
 - Data typés in C#
 - Boxing and Unboxing

Unit-III

- What are various data access methods? Which data access method is used in .NET and why? Illustrate its benefits over other methods.
 - What is a method in C#? How a method is invoked in C#? What is the significance of writing main method in different ways? Also give two examples where method overloading is applied.
- Explain the following:
 - Operator precedence & associativity
 - for and foreach loops

97694

Unit-IV

- What do you understand by exception handling in C#? What are the major tasks involved in handling exceptions? What are the exceptions that occur commonly in C# programs?
 - Answer the following:
 - Why is proper ordering of catch blocks necessary in C#?
 - What happens when an exception is caused in an inner try block of a nested try block?
 - (iii) How exception-handling mechanisms can be used for debugging a program?
- Explain the following:
 - Sealed classes and methods
 - Interfaces in C#

B.C.A. 6th Semester (Only Reappear)

Examination, December - 2024

Time allowed: 3 hours Judga san Note: Question No. 1 is compu	lsory. Attempt fiv	e question.
in total, the first being c	ompulsory and	select one
question from each unit.	Astaution	(R)
1. Write a short note on the fol	llowing:	
(a) Data Abstraction and E	The state of the state of the	£41.
(b) Applications of OOPs	Polymorphism at the are its	(3)
(c) Java Virtual Machine	Encapsulation	(b) 2
(d) Abstract Classes	ani Abstruct Cla	2
(e) Throw and throws keyw	ord	(3) 2
(f) CLASSPATH in Java	v metalis.	2
(g) Stream Classes	Ac at the second	2
nol statements in JAVA? Write	noo one tedW	(d) ²

CHOTT

Describe the following in Java:

Unit - I

2. (a) Differentiate between Procedure-oriented and
Object-oriented Languages. 8

(b) What are Object-oriented Language? What are their main Benefits and applications?

3. Define the following terms: $4 \times 4 = 1$

(a) Abstraction

(b) Inheritance

(c) Polymorphism

(d) Encapsulation

Unit - II

4. (a) Why is Java more suitable than other languages?

Explain its essential features. 10

(b) What are control statements in JAVA? Write a program to show the use of the For loop.

97692

(a) Data types
(b) Method Overloading
(c) Method Overriding
(d) Constructors

Unit-III

be handled in Java? What are the advantages of using an exception-handling mechanism in a program? Illustrate with example.

(b) Explain User-defined Exceptions with the help of the program.

7. (a) What are Abstraction and Abstract classes in OOPs? How we can achieve abstraction in Java?

Explain using a suitable example.

(b) What are Java packages? How are they accessible?

8

97692

P.T.O.

BCA 6th Semester (Only Re-appear)

Examination, December-2024

8		red: 3 hours] [Maximum n (610) 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
8	com	pulsory. In addition to compulsory	question,
8.0	stud	ent will have to attempt four more	questions
	sele	cting one question from each unit.	No set
1.	Exp	lain the following:	8×2=16
	(a)	E-Commerce in Industry	
8 15	(b)	Inter-organizational value mains and EDI agreement	(£)
8	(c)	Electronic market	
8	(d)	Security Thread in Security Thread Internet	(6)
	(e)	Traditional Commerce Vs Electronic (Commerce
8	(f)	Change Card Daniel Security Change Card	(a)
dim	(g)	Value Chains bus dindo viggue	(d)
8	(h)	Clients threats	
9769	1-P-3	-Q-9(24)	[P.T.O.

TOUT

2.	(a)	What is E-Commerce? Explain Scope	and
		Future of E-Commerce in detail.	8
	(b)	Explain the Application of E-Commerce	10000
3. ³⁶	Expl	lain the following in detail: " sail ignally	Bluv
155	(a)	Impact of E-Commerce	8
497	(b)		8
		Vnit–II	
4.	Expl	lain the following in detail:	
	(a)	Inter-organizational value chains and Por	ter's
		value chain model	8
	(b)	Security Threats in E-Commerce	8
5.	Ехр	lain the following in detail:	
	(a)	Computer Security classification	8
	(b)	Supply chain and strategic Business	unit
		chains	8

Unit-II

What is electronic payment system? Explain 6. Electronic cash and electronic wallets in detail. (b) Write detail note on Insuring Transaction Integrity and Protecting Client computers. 8 Explain the following in detail:

Smart card and Credit card system

Protecting E-Commerce Assets and Protecting intellectual property

Unit-IV

Explain the following in detail:

(a) Inter-organizational Trade cycle (b) EDI implementation and EDI Security

Explain: the following in detail:

(a) Benefits of EDI and EDI standards

Credit Transaction Trade cycle in detail.

97691