Q.P. Code: 2091503 | SET - 1

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA

B. Tech. VI Semester (R20UG) Minors Degree (CSE) Regular Examinations of July – 2023

SUB: Mobile Application Development

Time: 3 Hours **Max. Marks: 60**

Answer any FIVE Questions choosing one question from each unit.
All questions carry Equal Marks.

			M	CO	BL
		UNIT – I			
1.	(a)	With a code demonstrate any fundamental android project.	6M	CO1	L3
	(b)	Demonstrate the android emulator with example code.	6M	CO1	L2
		(OR)			
2.	(a)	With the help of commands, explain android SDK Installation.	6M	CO1	L3
	(b)	Discuss about Launching Android Applications on a Handset.	6M	CO1	L6
		UNIT – II			
3.	(a)	Write about Activity Life Cycle in Android.	6M	CO2	L2
	(b)	Discuss about Usage of the Edit Text Control.	6M	CO2	L6
		(OR)			
4.	(a)	Discuss about the Role of the Android Manifest File.	6M	CO2	L6
	(b)	Write about Radio button control with necessary examples.	6M	CO2	L2
		UNIT – III			
5.	(a)	Illustrate with an example about Relative Layout.	6M	CO3	L2
	(b)	What is the use of toggle button in Android? Why it is called toggle switch?	6M	CO3	L1
		(OR)			
6.	(a)	What is the use of table layout? What are the layout options for table?	6M	CO3	L1
	(b)	What is a progress bar and also write different types of progress bars?	6M	CO3	L1
		UNIT – IV			
7.	(a)	Describe grid view control.	6M	CO4	L2
	(b)	Write a code to create an application with time and date.	6M	CO4	L2
		(OR)			
8.	(a)	What is Fragment? Explain Creating Fragments using Java Code	6M	CO4	L1
	(b)	Explain dialogs and its types.	6M	CO4	L2
		UNIT-V			
9.	(a)	Demonstrate with a code tabbed action bar creation.	6M	CO5	L2
	(b)	Explain how to create a Data Entry Form with a suitable example.	6M	CO5	L2
		(OR)			
10.	(a)	Discuss in detail about Creating a Drop-Down List Action Bar.	6M	CO5	L6
	(b)	Explain the use of SQLiteOpenHelperclass.	6M	CO5	L2

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K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA

B. Tech. VI Semester (R20UG) Minors Degree (CSE) Regular Examinations of July – 2023

SUB: ARTIFICIAL INTELLIGENCE (CSE)

Time: 3 Hours **Max. Marks: 60**

Answer any FIVE Questions choosing one question from each unit.
All questions carry Equal Marks.

			M	CO	BL
		UNIT - I			
1.	(a)	What is a Problem Space and Search in AI?	6M	CO1	L1
	(b)	Explain different Heuristic Search Techniques with Examples?	6M	CO1	L2
		(OR)			
2.	(a)	Explain the architecture of expert system and explain its features	6M	CO1	L2
	(b)	What are the basic components of AI problem solving methodology?	6M	CO1	L2
		UNIT – II			
3.	(a)	Describe different rules used by Natural Deduction Procedure?	6M	CO2	L2
	(b)	Describe Knowledge Representation Framework?	6M	CO2	L2
		(OR)			
4.	(a)	Explain A* algorithm in detail?	6M	CO2	L3
	(b)	Explain first order predicate logic.	6M	CO2	L3
		UNIT – III			
5.	(a)	Explain Justification-based truth maintenance system.	6M	CO3	L3
	(b)	Explain about the Bayesian Networks with suitable examples	6M	CO3	L3
		(OR)			
6.	(a)	Define certainty factor. What are the components of certainty factor?	6M	CO3	L2
	(b)	What are the applications of Baye's theorem in AI?	6M	CO3	L2
		UNIT – IV			
7.	(a)	Describe the forward reasoning strategies with examples	6M	CO4	L2
	(b)	Give advantages of slot and filler structures	6M	CO4	L3
		(OR)			
8.	(a)	Write in brief about Weak Slot Filler Structures with Examples?	6M	CO4	L2
	(b)	What are the approaches to knowledge Representation in AI.	6M	CO4	L1
		UNIT-V			
9.	(a)	What are the benefits of AI in game development?	6M	CO5	L2
	(b)	What is the role of planning in AI?	6M	CO5	L2
		(OR)			
10.	(a)	Describe the Minimax search procedure in game playing.	6M	CO5	L2
	(b)	Explain the Discourse and Pragmatic processing in NLP.	6M	CO5	L3

K.S.R.M COLLEGE OF ENGINEERING, KADAPA (AUTONOMOUS) B.Tech Mid Term Examinations July- 2023					Dept.: CSE; Academic Year 2022 – 2023
Subject Code	:	2091503	Subject: MOBILE APPLICATION DEVELOPMENT		
Mid Term	:	I	Marks : 30	Regulation : R20 UG	Duration : 90 Min
Year	:	III	Semester : VI	Minor Degree	Date :

Part

Q. No	Question (s)	Marks	Skills	CO
1	Explain the procedure of installing Android SDK.	5	C	CO1
	OR			
2	Write the steps for creating the virtual devices.	5	C	CO1
3	What are the commonly used controls and layouts in Android?	5	U	CO2
	OR			
4	Write about Activity Life Cycle in Android.	5	U	CO2
5	Explain RelativeLayout with Example.	5	A	CO3
	OR			
6	Explain TableLayout with Example.	5	A	CO3

Faculty In-charge

- R-Remembering
- U-Understanding
- A-Applying
- Az- Analyzing
- E-Evaluating
- C-Creating

K.S.R.M COLLEGE OF ENGINEERING, KADAPA (AUTONOMOUS) B.Tech Mid Term Examinations July- 2023					Dept.: CSE; Academic Year 2022 – 2023
Subject Code	:	2091503	Subject: MOBILE APPLICATION DEVELOPMENT		
Mid Term	:	II	Marks : 30	Regulation : R20 UG	Duration : 90 Min
Year	:	III	Semester : VI	Minor Degree	Date :

Part

Q. No	Question (s)	Marks	Skills	CO
1	Create an Image Switcher Application in Android.	5	C	CO3
	OR			
2	Explain ScrollView with an Example.	5	A	CO3
3	Develop an Android application using Spinner Control.	5	C	CO3
	OR			
4	Explain dialogs and its types in Android.	5	A	CO3
5	Explain SQLiteOpenHelper class with example.	5	A	CO4
	OR			
6	Create a Data Entry Form in Android using Database Connectivity.	5	C	CO4

- R-Remembering
- U-Understanding
- A-Applying
- Az- Analyzing
- E-Evaluating
- C-Creating

K.S.R.M COLLEGE OF ENGINEERING, KADAPA (AUTONOMOUS) B. Tech Mid Term Examinations (Minor Degree) May 2023					Dept.: Minor Degree; Academic Year 2022 – 2023
Subject Code	:	2091504	Subject Name : Artificial Intelligence(Minor Degree)		
Mid Term	:	I	Marks: 30	Regulation: R20UG	Duration: 90 Min
Semester: VI				Section: Minor Degree	Date:

Answer any **Three Questions** choosing One Question from each Unit.

All Questions carries equal marks

Q. No	Question (s)	Marks	BL	CO
	UNIT-I			
1	What is Artificial Intelligence? Write AI techniques with suitable example.	10	L1	CO1
	OR			
2	Describe problem characteristics	10	L1	CO1
	UNIT-II			
3	Write A* Algorithm. Explain it with suitable example	10	L4	CO2
	OR			
4	Write AO* Algorithm. Explain it with suitable example	10	L4	CO2
	UNIT-III			
5	Describe the approaches of knowledge representation	10	L2	CO3
	OR			
6	Convert the following fact into CNF. "All Romans who know Marcus either hate Caesar or think that anyone who hates anyone is crazy."	10	L5	CO3

BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 –.Analysing, 5 – Evaluating, 6 - Creating)

CO – Course Outcomes

Note: - Please mention only Number in BL and CO

K.S.R.M COLLEGE OF ENGINEERING, KADAPA (AUTONOMOUS) B. Tech Mid Term Examinations July 2023					Dept.: CSE; Academic Year 2022 – 2023
Subject Code	:	2091504	Subject Name : Artificial Intelligence		
Mid Term	:	II	Marks: 30	Regulation: R20UG	Duration: 90 Min
Semester: B.Tech CSE-VI Sem (Minor Degree)				Section: A,B & C	Date:

Answer any **Three Questions** choosing One Question from each Unit.

All Questions carries equal marks

Q. No	Question (s)	Marks	BL	CO
	UNIT-III			
1	a)Write the importance non monotonic reasoning b) How TMS can provide a basis for non monotonic reasoning	2+8	L1	CO3
	OR			
2	Justify Bayesian networks provide a good basis for reasoning under uncertainity	10	L1	CO3
	UNIT-IV			
3	What is Semantic nets? Explain knowledge representation with suitable example	1+9	L4	CO4
	OR			
4	How do you represent knowledge using Conceptual dependency	10	L4	CO4
	UNIT-V			
5	a)What is minimax problem. Explain it with suitable example b) What is alpha-beta puning ? Explain it with suitable	5+5	L2	CO5
	OR			
6	a) Explain several components in natural language understanding process b) Describe discourse and pragmatic processing	5+5	L5	CO5

BL – Bloom's Taxonomy Levels
(L1- Remembering,
L2- Understanding,
L3 – Applying,
L4 – Analysing,
L5 – Evaluating,
L6 - Creating)