MJ23

ROLL No:____

Semester:-6th (New) Branch:- ALL (Except Civil Engg)

Subject:- BASICS OF MANAGEMENT

Max Marks:-100 Time: 03 Hours

Wide Widths: 200	
Note:- Attempt any five Questions. All Questions carry equal marks.	
(a) Explain the term 'Management'. What are the various functions of managemer	nt? (12)
(b) Explain the importance of departmentalization.	(80)
Q2(a) What are the various types of industrial organizations? Explain.	(12)
(b)Explain the Hierarchical Management Structure.	(80)
Q3(a) State and explain the components of Culture. What is the significance of a	
	(15)
healthy work culture in an organization?	(05)
(b) Define Individual and group behaviour. Q4(a) Explain the need of Leadership. What are the qualities of a good leader?	(12)
(b) Differentiate between a manager and a leader.	(80)
(a)Define motivation and its characteristics. What are the factors that affect	
motivation.	(10)
(b) Explain Maslow's Need Hierarchy Theory of Motivation.	(10)
26(a)Define wage payment. What are the types of wage payment?	(12)
(b) Explain job satisfaction with the help of an example.	(80)
Q7(a) Define Purchasing. Explain the procedure followed for purchasing.	(12)
(b)Differentiate between marketing and selling.	(80)
Q8(a)Explain the processes :Manpower Planning, recruitment and selection.	(15)
·	(05)
(b)Define Just in time (JIT). Last me Toy, Sale Tay, Excise duty and Provident Fund.	(10)
Q9(a) Explain the terms Income Tax, Sale Tax, Excise duty and Provident Fund.	(10)
(b)What is total quality management ? Explain	
Q10 Write short notes on any two. (a)Intellectual property rights (b)Customer Relationship Management	(2×10=20)
(c)Minimum Wages Act 1948 (ப்)Preventive Maintenance	(4810-20)

MJ23	KOLL NO	•
Semester:-6 th (New) Subject:- ARTIFICIAL INTELLIGENCE	Branch:- COMPUTER ENGINEERIN	NG S
Max Marks:-100	Time: 03 Hours	~ '3'
Note:- Attempt any five Questions.	Alac.	
Q1. a) What is State Space Representation. Represe	ent Water Jug problem using State Space Re	epresentatio (10) (10)
b) Write short note on: i) MinMax Search ii) Natural I	Language Understanding	(==)
Q2. a) What is Artificial Intelligence. Explain the var b) Explain in brief history of Artificial Intelligenc	ious application of Artificial Intelligence? e?	(10) (10)
Q3. a) What is Hill Climbing Search .Discuss the var b) Differentiate between Breadth First Search (ious problem of Hill Climbing ? (BFS) and Depth First Search (DFS)?	(10) (10)
b) Explain the various steps to built an Expert	tecture of an Expert System? System ?	(10) (10)
05. What is Knowledge Representation. Explain the	e various techniques of knowledge Represe	ntatiổn? (20)
 Q6. Convert the following statements into logical forms. If I will go to Australia, then I will earn more mode. He goes to play a match if and only if it does not all the is poor but honest. Every man respects his parent. Not all students like both Mathematics and Scions. Some boys play cricket. 	oney. ot rain.	
7. We will leave whenever he comes.8. Not every animal dislikes honey.		(20)
Of. a) What is Prolog. Explain the various datatype b) Write short note on 1. Facts 2. Rules 3.	es of Prolog? . Atoms	(10) (10)
Q8. a) What is Robotics. Explain the various comp b) Explain distributed Artificial Intelligence?	onents of Robotics System?	(10) (10)
Q9. a) Explain the various current developments i b) Differentiate between Knowledge and info	n Artificial Intelligence? ormation?	(10) (10)
Q10. a) What is Heuristic Search. Explain A* Searc b) Explain the various issues of Artificial Intell	h with the help of an example? ligence?	(10) (10)

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Semester:-6th (New)

ROLL No:____

(10)

(10)

(2x10=20)

Branch:- COMPUTER ENGINEERING

Subject: MOBILE COMPUTING (ELECTIVE II) Time: 03 Hours Max Marks:-100 Note:- Attempt any five Questions. All Questions carry equal marks. (10)Q1 a) Explain mobile computing. What are its advantages? (10)b) What are wireline and wireless data networks? (12)Q2 a) Explain the 3-tier mobile computing architecture with the help of diagram. (08)b) How is mobile computing achieved through internet? Explain (15)Q3 a)Discuss EDGE. Explain its features, working and advantages. (05)b) What is the need of operating systems for mobile devices? (12)Q4 a) Explain 3G cellular networks and their significance. (80)b) Discuss middleware in mobile computing. (15)(25) Explain the GSM architecture with the help of neat diagram. What is the JAVA card? Discuss its application in wireless systems. (05)(15 a) With the help of a neat diagram, explain the GPRS architecture. (12)Write a short note on CDMA Technologies. (80)(WAP). Explain its functions. (10)(10)b) Explain the IEEE 802.11 standards. Q8. a) Explain the working of Bluetooth. (10)b) Discuss the working of RFID. How it is different from Bluetooth. (10)

 $\mathbb{Q}\mathfrak{P}$ a) what are the design constraints in applications for handheld devices.

b) List and explain the features of Palm and Symbian OS.

(a) Features of WIMAX

Q20. Write short notes on any two.

(b) J2ME technology

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(d) Mobile IP

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Semester:-6th (Nev

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Branch:- COMPUTER ENGINEERING

Subject:- INSTALLATION, MAI	NTENANCE AND TROUBLESHOOTING OF			
COMPUTER NETWORKS				
Max Marks:-100	Time: 03 Hours			
Note:- Attempt any live Questi	ons. All Questions carry equal marks.			
Q1(a)Discuss the various environ	mental requirements for computer system and			
Peripherals in a computer room.		(12)		
	eparation and design of computer room?	(80)		
) <u>=</u>	plain Preventive and corrective maintenance	(12)		
	What is the benefit of ground shielding.	(08)		
Q3(a)Write the specifications of		(10)		
(b) Define LAN failure. How it		(10)		
, ,	ng of various networking devices in computer			
networks.	A STATE OF THE PARTY OF THE PAR	(12)		
(b) How is address managemen	t done in a local area network?	(80)		
	ing a printer among systems in a LAN.	(12)		
(b)Explain how system resource	s can be shared using network sharing tools.	(80)		
Explain sub-neging and s	super-netting techniques in the networks. What a	re		
the benefits of these tech	·	(50)		
P4	ystem. What are its benefits? Explain.	(12)		
: ::: : : : : : : : : : : : : : : : :	it will be created? What rae its benefits.	(80)		
	etwork architecture. What shall be the troublesh	ooting		
strategy for sam ? Expla		(12)		
	eshooting of switch can be done? Explain.	(10)		
Q9(a)Explain the reserred IP ac		(10)		
•	of addressing classes used in computer			
networking? Expain.	-	(10)		
Q10. Write short notes n any t		(20)		
(a)Proxy server	(b) Router configuration			
(c) Network Access Poin	ts (d) Client server technology			

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ROLL No:____

Semester:-6 th (New) Subject:- VISUAL PROGRAMMING USING .NET Max Marks:-100 Branch:- COMPUTER ENGINEER Time: 03 Hours	ING /IT
Note:- Attempt any five Questions. All Questions carry equal marks.	
Q1: a) What is VB .Net? Explain the main features of VB .Net.	[5,5]
b) Describe the five different types of variables used in VB .Net with examples.	[2x5]
Q2: Define	
a) Common Language Runtime(CLR) b) Common Type System (CTS)	
Common Language Specifications (CLS) d) Microsoft Intermediate Language (MSIL)	[4x5]
Q3. a) What is an IDE in the context of VB .Net?	[10]
List and briefly explain the key components of the Visual Studio IDE for VB .Net develop	pment. [10]
Q4: a) Explain Sub Procedure, function in context of VB .Net	[10]
b) Explain difference between By Val and By Ref with the help of example.	[10]
Q5: a) Discuss the importance of exception handling in VB .Net.	[10]
(b) Explain the try-catch-finally block and its role in exception handling with an example.	[10]
Q6: a) What are control structures in VB .Net?	[10]
b) Compare and contrast the If-Then-Else and Select Case statements in VB .Net with suit examples.	able [10]
Q7: a) Explain the concept of database connectivity in VB .Net.	[10]
b) Discuss the steps involved in connecting to a database and performing select query.	[10]
Q8: a) What are event handlers in VB .Net?	[10]
b) List four event handlers and four property of any three controls in VB .Net and explain use them.	n how to [10]
Q9: a) Explain what is Crystal Reports and how to connect them to a database?	[10]
あ Explain Request and response object in Asp dot net and their uses.	[10]
Q10: a) Explain web service and list steps to create a web service	[10]
b) Explain three tier Client Server architecture	[10]
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