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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCAII Year I Semester (R14) Regular & Supplementary End Semester Examinations –Nov 2016

(Regulations: R14)

ACCOUNTING AND FINANCIAL MANAGEMENT

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 mean by accounting principles? Explain any four concepts of your choice. 12M

OR

- Q.1(B) The following balances were extracted from the books of Sathvekha on March 31, 2016. 12M

Particulars	Amount in rupees
Capital	73000
Drawings	12000
General expenses	4000
Buildings	30000
Machinery	15000
Stock (April 1, 2015)	20000
Power	3000
Taxes and insurance	2700
Wages	10000
Debtors	25000
Creditors	20000
Baddebts	1900
Sales	80000
Purchases	50000
Scooter	8000
Commission received	2000
Bills payable	5000
Cash in hand	4000
Bank overdraft	6000
Packing expenses	400

Stock in hand on March 31, 2016 was Rs.30000. You are required to prepare the trial balance, trading, profit & loss account and a balance sheet as on that date.

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- Q.2(A) What is financial management? Explain the scope of financial management. 12M

OR

- Q.2(B) What is cost of capital? Explain the elements of cost of capital. 12M
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Q.3(A) Define ratio and also describe the short-term solvency ratios. 12M

OR

Q.3(B) What is funds flow statement? State the various sources and uses of funds. 12M

Q.4(A) What is cost-volume-profit analysis? Explain the practical applications of break-even analysis. 12M

OR

Q.4(B) Cheritha Sree Ltd., a multi product company, furnishes you the following data relating to the year 2016: 12M

Particulars	First half of the year (Rs)	Second half of the year (Rs)
Sales	45000	50000
Total costs	40000	43000

Assuming that there is no change in price and that the fixed expenses are incurred equally in the two half-year periods. Calculate the following for 2016:

- (a) Profit-volume ratio
- (b) Fixed expenses
- (c) Break-even sales

Q.5(A) Define capital budgeting. Explain the traditional methods of capital budgeting. 12M

OR

Q.5(B) A company has to select one of the following projects:

Particulars	Project - X	Project-Y
Cost	11000	10000
Cash inflows		
I year	6000	1000
II year	2000	1000
III year	1000	2000
IV year	5000	10000

Using IRR method, suggest which project is preferable.

*** END***

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MCA II Year I Semester (R14) Regular & Supplementary End Semester Examinations – Nov 2016

(Regulations: R14)

COMPUTER NETWORKS

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) Define Computer Networks? Explain the working of TCP/IP model in detail and also specify the functions of its each layer. 2+10M

OR

Q.1(B) Explain the key elements required for the nature of standardization in each layer. 6M
Briefly explain the applications of internet based applications. 6M

Q.2(A) Compare guided and unguided medium in data communication. 12M

OR

Q.2(B) Explain Transmission Impairments in detail. 12M

Q.3(A) What is Ethernet? Explain the different types of it. 12M

OR

Q.3(B) Differentiate between IPV4 and IPV6. 12M

Q.4(A) What is DNS? Explain how DNS operation takes place? 12M

OR

Q.4(B) Differentiate between the following concepts

i)unicast and multicast	8M
ii)HTTP and HTTPs	4M

Q.5(A) What is the function of firewall? Explain different types of it. 12M

OR

Q.5(B) Explain Symmetric Key and Asymmetric key cryptography in detail. 12M

*** END***

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QP Paper Code: 14MCA21T09/14MCA107

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MCA II Year I Semester (R14) Regular & Supplementary End Semester Examinations – Nov 2016

(Regulations: R14)

JAVA PROGRAMMING

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) Explain briefly the various control statements in Java with suitable examples. 12M

OR

Q.1(B) Discuss in detail the following : 4*3M
i) static ii) final iii) Access Specifiers iv) this keyword

Q.2(A) Explain in detail the various String handling functions in Java with suitable examples. 12M

OR

Q.2(B) Describe briefly the concept of interfaces and packages. 12M

Q.3(A) How priorities are assigned to threads? Explain the concept of thread priorities with suitable program. 12M

OR

Q.3(B) Discuss briefly the concept of Auto boxing and Type Wrappers. (6+6) M

Q.4(A) Explain the following: 3*4M
i) InputStream ii) PrintStream iii) BufferedWriter

OR

Q.4(B) i) Explain iNet Address. 6M
ii) Explain Datagrams. 6M

Q.5(A) Explain the following with respect to Swing. 4*3M

i) JLabel ii) JCheckBox

iii) JList iv) JTable

OR

Q.5(B) Explain briefly the various Event Classes in Java. 12M

*** END***

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Question Paper Code: 14MCA31T20

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year I Semester (R14) Regular End Semester Examinations – Nov 2016

(Regulations: R14)

MULTIMEDIA SYSTEMS

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

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|-----------|--|-----|
| Q.1(A) | (i) Explain the Data Stream Characteristics for continuous Media. | 8M |
| | (ii) Explain the "Information Units" with an Example. | 4M |
| OR | | |
| Q.1(B) | (i) Explain the Basic Sound Concepts. | 8M |
| | (ii) Define Medium and Explain the Different Media Classification. | 4M |
| <hr/> | | |
| Q.2(A) | Explain the Computer – Based Animation. | 12M |
| OR | | |
| Q.2(B) | Explain about JPEG and MPEG in detail. | 12M |
| <hr/> | | |
| Q.3(A) | (i) Write Basic Technology of Storage Media in detail. | 6M |
| | (ii) What do you mean by Compact Disk Read Only Memory? | 6M |
| OR | | |
| Q.3(B) | Explain the Further CD-ROM Developments. | 12M |
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| Q.4(A) | Explain the Resource Management in Detail. | 12M |
| OR | | |
| Q.4(B) | (i) What are the Additional Operating System Issues? | 6M |
| | (ii) Explain the System Architecture. | 6M |
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| Q.5(A) | Explain the Quality of Service and Resource Management. | 12M |
| OR | | |
| Q.5(B) | Explain about Multimedia Data Base Management System and it's Characteristics in detail. | 12M |

*** END***