

Management & Accountint 2014

Part A

1. Write down the formula for calculating break-even point.
2. Write down the formula for calculating 'Current-ratio'.
3. What are theories of motivation.
4. What is perception.
5. What is conflict management.
6. Define organisational cultural conflicts.
7. What is triple column cash book.
8. What is leadership?
9. What are qualities of a good leader?
10. Define margin of safty.

Part B

1. Describe the role of electronic media in communication?
2. What is "Conflict Management"?
3. What do you mean by Master Budget?
4. What is final account?
5. What is power and politics?

Part C

1. Describe the different theories of motivation?

OR

From the following data calculate:

- (a) Break even point expressed in amount of sales in rupees.
- (b) Number of units that must be sold to earn a profit of Rs. 60,000 per year.
- (c) How many units must be sold to earn a net income of 10% on sales.

Sales	Rs. 20 per unit
Variable Cost	Rs. 14 per unit
Fixed cost	Rs. 7,92,000 per year

2. Describe the different theories of leadership?

OR

Peeyush Ltd. produces a standard product. The estimated costs are given below:

	Rs.
Raw materials	10
Direct wages	8
Direct Expenses	2
Variable overheads	3
	23

Semi - variable overheads at 100% capacity level (10,000) units are expected to be Rs. 40,000 and these overheads vary in steps of Rs. 2,000 for each change in output of 1000 unit. Fixed overheads are estimated at Rs. 50,000. Selling price per unit is expected to be Rs. 40.

Prepare a flexible budget at 50%, 70% and 90% level of activity on marginal cost basis.

3. Briefly discuss the various schools of management thoughts.

OR

Give journal entries in the books of Graha-Sangraha trade:

2009

Jan 1	Graha-Sangraha trade started business with cash Rs. 20,000 and goods Rs. 15,000.
Jan 2	Purchased goods from Hari for cash Rs. 4,000 and on credit Rs. 3,000.
Jan 5	Sold goods to Sushil Rs. 10,000 for cash and Rs 5000 on credit.
Jan 8	Opened a current account in Bank Rs. 10,000
Jan 10	Paid shop rent by cheque Rs. 1,500
Jan 15	Goods returned to Hari Rs. 500
Jan 18	Received a cheque from Sushil and deposited in the bank on same day.
Jan 20	Withdraw from Bank Rs. 5,000
Jan 22	Paid to Hari by cheque in full settlement Rs. 2,450
Jan 25	Purchased furniture from Rajesh and paid by cheque Rs. 500
Jan 28	Purchased goods by cheque Rs. 5,000
Jan 29	Received commission Rs. 200

Jan 30 Purchased goods from Naresh Rs. 3,000 and Received 5% trade discount.

Jan 31 Paid salary by cheque Rs. 800

Jan 31 Purchased stationery Rs. 100

Jan 31 Paid to Naresh by cheque after deducting 10% cash discount.

Computer Fundamentals 2014

Part A

1. Give the full form of the following abbreviation:
SXGA, EBCDIC
2. What is an IC?
3. What is application software?
4. What is cache memory?
5. What do you mean by protocol?
6. What is web camera?
7. What is Trojan horse?
8. What is website?
9. What is booting?
10. What do you mean by sequential access and direct access?

Part B

1. Draw a block diagram to illustrate basic organization of a computer system.
2. What is Excess-3 code? Explain with suitable example.
3. Divide binary number 11001 by 101.
4. What do you mean by IP address and www?
5. Prepare truth table for the following boolean expression $A \cdot B + A' \cdot B$

Part C

1. (a) Describe various application area of computer system.
(b) Define the term hardware and software. How hardware and software are necessary for each other? Discuss.

OR

What is a computer? Why it is known as a data processor? Explain classification of computers.

2. What is secondary storage? How it differs from a primary storage? Explain secondary storage devices that are used with computer system.

OR

What is an input device? Explain various input devices used with computer system.

3. What is data warehouse? Explain advantages and components of data warehouse.

OR

Explain the following:

- (a) BCD Code
- (b) EBCDIC Code
- (c) ASCII Code
- (d) Gray Code
- (e) Unicode

PC Software 2014

Part A

1. Write the extension of Access file.
2. What is range in MS-Excel?
3. What is difference between paste and paste special?
4. What is Goal seek?
5. Differentiate 'Spreadsheet' and 'Stylesheet'.
6. What do you understand by 'Line chart'?
7. What is the use of 'Ruler Bar' in MS-Word?
8. What are 'Outlines' and 'Handouts' in MS-PowerPoint.
9. Differentiate between 'DBMS' and 'RDBMS'.
10. What is filter? Give an example.

Part B

1. Differentiate the terms 'Multiprocessing', 'Multiprogramming' and 'Multitasking' in perspective to MS-Windows.
2. What is 'Word Wrap' feature in a word processor?
3. Describe the process of Modem installation in MS-Windows.
4. List the differences between 'Disk formatting' and 'Disk Defragmentation'.
5. Describe any two method of view of document in MS-Word.

Part C

1. Explain the following in MS-Word:
 - (a) Drop cap
 - (b) Macro
 - (c) Conditional formatting
 - (d) Header and footer
 - (e) Slide Sorter

OR

What is 'Pivot table'? How it is used? Explain with proper example.

2. (a) Describe the use of 'Program Manager' in MS-Windows.
(b) Write the difference between 'Explored view' and 'Simple view' of 'My Computer'.

(c) What do you understand by 'Scandisk' utility?

OR

(a) What do you understand by 'validation' in MS-Excel? and write steps of 'Validation'.

(b) What do you understand by 'Mail merge'? Explain various steps involved in its use.

3. (a) How will you create a self running presentation in power point?

(b) How will you create a 'hide-slide' in a power point presentation? Explain.

OR

What do you mean by Query? How can you create autolookup query in MS-Access?

Programming in 'C' 2014

Part A

1. By default a real no. is treated as a:

- (a) float
- (b) long double
- (c) double
- (d) far double

2. In the following program where is the variable 'a' getting defined and where it is getting declared?

```
int main()
{
    extern int a;
    printf("%d\n", a)
    return 0;
}
int a=20;
```

3. Write the correct order of evaluation for the below expression:

$z = x + y * z / 4 \% 2 - 1$

- 4. What is macro in 'C' language?
- 5. What is difference between calloc() and malloc() ?
- 6. What are 'C' tokens?
- 7. How will you free the allocated memory?
- 8. What is enumerated data type?
- 9. What is bitwise operator?
- 10. What is difference between call by value and call by reference?

Part B

- 1. Write a program to print fibonacci series.
- 2. What is difference between goto, break and continue. Specify with example.
- 3. What is the function of pointers in 'C' language?
- 4. What is recursion?
- 5. What is top down approach?

Part C

- 1. What are storage classes? Explain in detail with examples.

OR

What is recursion? What is the utility of recursion in 'C' language? Write a program to find out greatest common divisor of two given numbers using recursion.

2. Explain the role of pointers in 'C' language. Explain reference variable in context to a program.

OR

Explain the role of pointers in structures with program and how arithmetic operations performed on pointers?

3. What is top down approach? Explain different methods of passing arguments in functions. Also explain different types of functions used in 'C' language.

OR

Explain following with suitable example:

- (a) strcpy()
- (b) strcat()
- (c) strlen()
- (d) strcmp()

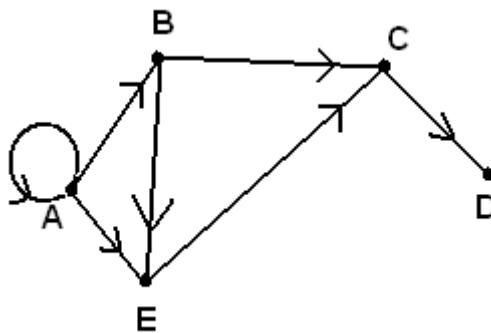
Data Structures 2014

Part A

1. What is big-OK complexity?
2. What is theta complexity?
3. What is small omega complexity?
4. Which sorting algorithm is efficiently used in a card game player to arrange cards?
5. Which sorting algorithm is best suitable for randomly generated numbers.
6. How many binary trees can be created with 3 nodes?
7. How many edges are there for a connected graph with 5 nodes and sum of degree of all edges equal to 10.
8. What is stack?
9. What is queue
10. What is order of selection sort?

Part B

1. Explain malloc and calloc functions with their syntax and example.
2. Explain the functions of C which are used to change the size of memory allocated to the pointer.
3. What is difference between structure and union?
4. Write a program in C to print factorial using recursion.
5. Write in-degree and out-degree of all vertices of following di-graph



Part C

1. Explain stack with its algorithm and diagram for all stack functions.

OR

Explain queue with its algorithm and diagram for all queue functions.

2. Write down algorithm for bubble sort and explain it suitable example.

OR

Write down algorithm for merge sort and explain it with suitable example.

3. Explain breadth first search (BFS) algorithm with suitable example.

OR

Explain how we can create a De-queue. Write algorithm for it and explain it with suitable diagram.

Multimedia Basic 2014

Part A

1. Write full form of MIDI.
2. What is DVI?
3. What is sampling?
4. What is morphing?
5. What is cellpadding?
6. What is hypertext?
7. What is intelligent multimedia system?
8. Explain <strike> tag.
9. What is sound?
10. What is the use of MICR?

Part B

1. What is the difference between raster and vector images?
2. Differentiate between JPEG & MPEG.
3. What is the difference between container and empty tag?
4. Is multimedia sharing possible? How?
5. What is the difference between and tag?

Part C

1. (a) Explain the framework of multimedia system.
(b) Write advantages and disadvantages multimedia system.

OR

What do you understand by image? What are the different techniques used for image compression?

2. (a) What is speech recognition and synthesis?
(b) How sound is represented and transmitted digitally?

OR

Write short notes on ;

- (c) Vectorization
- (d) JPEG and MPEG
- (e) Sampling
- (f) AVI

3. (a) Explain the laws of multimedia.
(b) How is multimedia beneficial in education?

OR

Write HTML code for design following table:

Asia			
India		Pakistan	
Delhi	Mumbai	Lahore	Karachi
Earth			