



JSS Mahavidyapeetha

JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

INNOVATION IN TEACHING – LEARNING

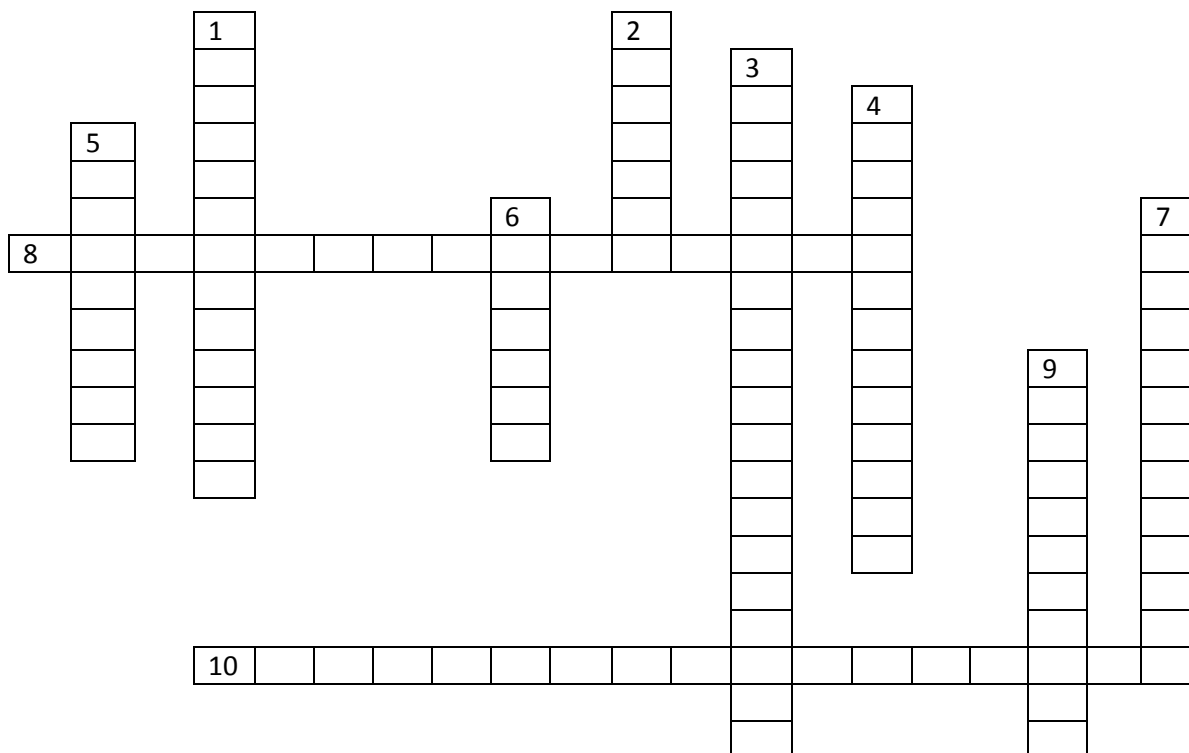
Faculty Name : P.Anitha
Course Name : Analog & digital Electronics
Course Code : 15CS32
Semester & Section : III'A'

Date: 11-9-17
Time : 12-1
AY: 2017- 2018

Innovative Activity Name : Crossword

Different types of Data processing circuits are given as a crossword with the relevant questions below. Students can able to remember the various combinational circuits present along with their applications.

ACROSS



- 8. Data processing circuit placed in the transmitter side to detect 1-bit error occurs in the communication path
- 10. Data processing circuit which selects any half byte as an output based on the select line

DOWN

- 1. Logic circuit with one input and many outputs
- 2. Logic circuit with control inputs and only one output, but no data input.
- 3. Data processing circuit which compares 2 n bit binary numbers
- 4. 8:1 multiplexer has 8 data inputs and 3 _____.
- 5. In 1:4 Demultiplexer 1 indicates _____
- 6. Converts active input signal into a coded output signal
- 7. Data processing circuit placed in the receiver side to detect 1-bit error
- 9. Data processing circuit with n control inputs and m data inputs but only one output

Students can mail the filled crossword to panitha_80@rediffmail.com



JSS Mahavidyapeetha
JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

INNOVATION IN TEACHING - LEARNING

Faculty Name : Rekha P M
Course Name : Analog & Digital Electronics Date : 11/9/17
Course Code : 15CS32 Time : 11-12
Semester & Section : III-B Academic Year: 2017- 2018

WORD PUZZLE

Description: Identify the keywords in the following alphabet grid from the given clues. The keywords are placed horizontally , vertically or diagonally

Clues:

1. Voltage controlled device
2. No Channel in this device
3. High gain differential Amplifier
4. Range of frequencies
5. Combination of P channel & N channel
6. Point at which output switches from - V SAT to + VSAT
7. Device to remove Certain frequencies
8. Output switches back & forth
9. Ratio of common mode gain to differential gain
10. Monostable Multivibrator

E	H	K	U	N	L	K	D	I	O
M	O	N	O	S	H	O	T	O	S
O	P	A	M	P	C	N	I	C	C
S	M	E	A	R	H	K	L	M	I
F	A	C	O	F	J	E	T	R	L
E	B	M	I	I	R	T	G	R	L
T	K	O	A	L	F	W	H	P	A
J	R	S	S	T	S	U	M	K	T
B	I	X	C	E	V	T	L	H	O
M	E	O	S	R	T	P	K	E	R
B	A	N	D	W	I	D	T	H	W

Students can mail the filled crossword to rekhapm12@gmail.com



JSS Mahavidyapeetha

JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

INNOVATION IN TEACHING – LEARNING

Faculty Name : Nagashree.S.
Course Name : Data Structures and Application
Course Code : 15CS33

Date: 7/9/2017
Time :
AY: 2017- 2018

Semester & Section : III B

Innovative Activity Name: Crossword

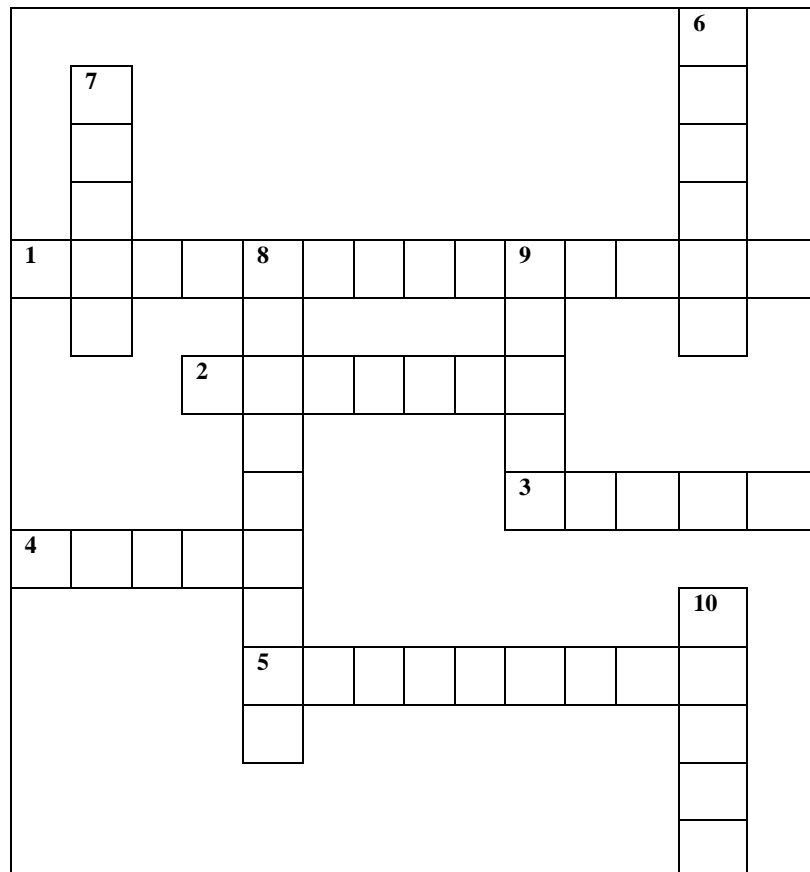
A crossword Puzzle based on Basics of Data Structures and Concepts on Stacks and Queues were given.

Left to Right

1. Way of storing data in the memory so that it is easy it is easy to access.
2. Non Linear data structure in which it is a collection of vertices and edges.
3. Linear data structures in which the element inserted at last is deleted first (LIFO)
4. The end from which deletion is done in Queues
5. Function calling itself.

Top to Bottom

6. Linear data structures in which the element inserted first is deleted first (FIFO)
7. Homogeneous collection of elements of same type.
8. Collection of elements of same or different type.
9. Non linear data Structure in which elements are stored in the hierarchical fashion.
10. Expression in which operators is present in between the operands.





JSS Mahavidyapeetha

JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

INNOVATION IN TEACHING – LEARNING

Faculty Name : MAMATHA G
Course Name : Unix & Shell Programming
Course Code : 15CS35
Semester & Section : 3rd 'A'
2017- 2018

Date : 25/09/2017
Time : 10:00-11:00
Academic Year:

Innovative Activity Name : “Perform and realize”

1] Match the following:

	Company	Unix brand
1.	Hewlet and Packard	Digital Unix
2.	International Business Machines	System V Release 4 (SVR4)
3.	Sun Micro systems	BSD Unix
4.	A T & T	HP-UX
5.	Digital Equipment Corp.	AIX
6.	Berkeley University	Solaris

2] _____ have places and _____ have life

3] There can be multiple Kernels and Shells running on the system. True or False

Execute the commands and give the description of the Output

4] echo \$PATH

5] Use 'bc' command to compute the following:

- 19*23 ; 3^15
- Convert the Binary number 11001010 to Decimal

6] Observe the output of: file *

7] Which of these commands work? Write the path diagram for the following

mkdir a a/b a/c ; mkdir s/t/u/v

8] Create appropriate files and execute the following commands

cmp stud.lst staff.lst

comm stud.lst staff.lst

9] Use gzip to compress the sample file (descrip.txt), count the number of characters of a file before and after Compressing.

```
man date > descrip.txt
```

10] Record the consequences:

- a) Create "hello world" program, execute it; remove everybody's execution permission (a-x), now try to execute the program.
- b) `chmod 333 descrip.txt ; cat descrip.txt`



JSS Mahavidyapeetha
JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

INNOVATION IN TEACHING - LEARNING

Faculty Name : Anil B.C/ Dr. MMP
Course Name : Discrete Mathematical Structures(10CS36)
Course Code : 15CS36
Semester & Section : III-A & B **Academic Year: 2017- 2018**

Rearrange the jumbled words in to correct words. Write the definition for each.

ANSWER ANY TEN

JUMBLD WORD	CORRECTED WORD WITH DEFINITION
OSPOPRIONTI	
IVTSENEOCC	
LOOTUATGY	
TIONTRADICNOC	
SURDITYAB	
INGCONTYCBE	
NVERSECO	
VERINSE	

SITIVEPOCONTRA	
ANTIQUERFI	
TIONATUMREP	
TIONMOCANIB	
GUMRATHE	
IONSULCNOG	
SESPREIM	