

DEPARTMENT OF INFORMATION TECHNOLOGY::VRSEC

REPORT ON ACTIVE LEARNING METHOD

20IT3304 – COMPUTER ORGANIZATION

A.Y. 2021-22

CROSSWORD PUZZLE

Name of the Topics: Computer Organization concepts, , Register Transfer operations, ,Memory Organization, Computer Arithmetic, Addressing Modes

Target Audience: Students of II/IV B.Tech I Semester

Date of activity conducted: 10-02-2022(Section A & B)

No. of students participated : 115

**Name of the Faculty : Dr.K.Sita Kumari, Associate Professor
Dr.J.Ebenezer, Assistant Professor**

Objective of the activity:

- Understand the concepts of Computer Organization.
- To prepare the students for short answer questions.
- To make the students attain good marks in external exam.
- To make the students think logically

Introduction:

A crossword is a type of word puzzle which is usually a square or rectangular grid with white and black squares. The goal is to fill the white squares with letters, forming words or phrases, by solving clues, which lead to the answers. In languages that are written left-to-right, the answer words and phrases are placed in the grid from left to right ("across") and from top to bottom ("down").

Crossword Rules

- The pattern of black-and-white squares must be symmetrical. ...
- Do not use too many black squares.
- Do not use unkeyed letters (letters that appear in only one word across or down).
- Do not use two-letter words.

- The grid must have all-over interlock.
- Long theme entries must be symmetrically placed.

Execution Plan:

- List of questions are prepared for implementing crossword puzzle.
- Print copy is prepared with square or rectangular grid with white and black squares.
- Dissemination of hard copies to students - 5 mts.
- Puzzle Problem solving : 10 mts
- Collecting the filled copies and Course coordinator summary : 5 mts

Expected Outcomes:

The students can be able to

- Understand the concepts and terminology of Computer Organization
- Apply the concepts and definitions learned during semester end examination.
- Improvement in academic performance.

Assessment of the effectiveness of the activity by comparing the result of semester end examination and is shown below:

EXTERNAL ANALYSIS

20IT3304 : COMPUTER ORGANIZATION

A.Y. 2021-22

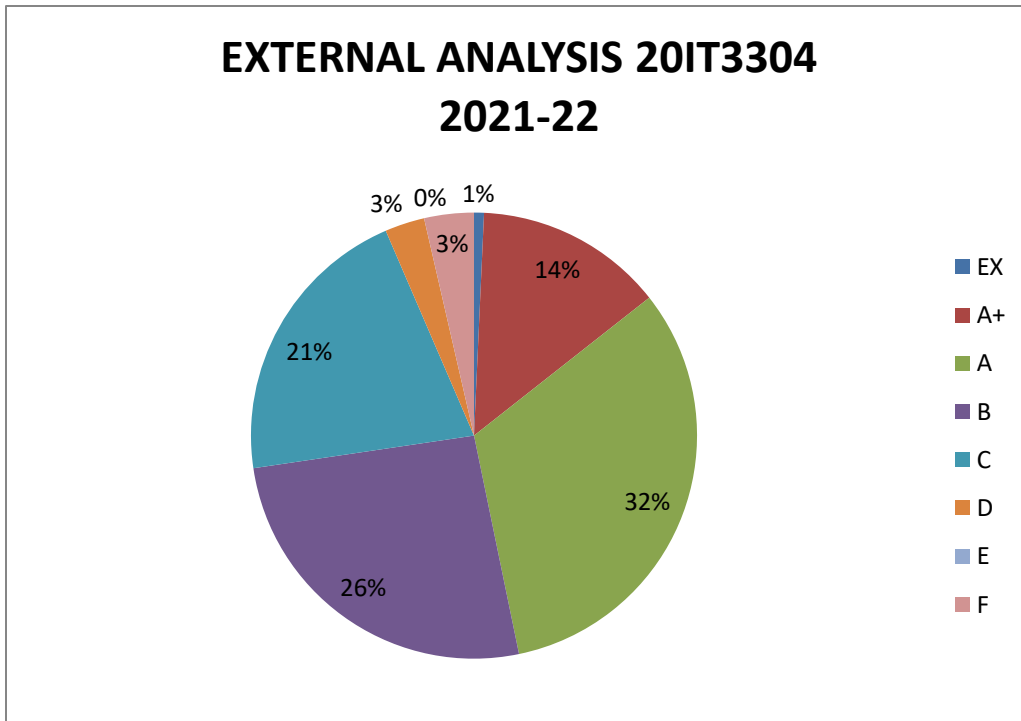
TOTAL NUMBER OF CANDIDATES APPEARED: 139

TOTAL NUMBER OF CANDIDATES PASSED: 134

TOTAL NUMBER OF CANDIDATES FAILED: 5

PERCENTAGE: 96.4 %

20IT3304–COMPUTER ORGANIZATION	
GRADE	TOTAL NO OF STUDENTS
EX	1
A+	19
A	45
B	36
C	29
D	4
E	0
F	5



A Snapshot of cross word puzzle implemented by a student is show below

Department of Information Technology : : VRSEC
Computer Organization Activity
II/IV B.Tech Semester I, A.Y. 2021-2022

Dt: 10-02-2022

Roll No. 2021W1A1205 Name: P. Monice Section: IT-B

Across

3. If data found in cache memory
6. also known as data selector
10. operation on data stored in register
11. sequence of microinstructions
12. adds two binary numbers

Down

1. stores the content of AC into memory
2. adds two bits
4. efficient way for transferring data between registers
5. If data not found in cache memory
7. system with two or more CPUs
8. called as content addressable memory
9. transfer the memory content to AC