

B. N. M. Institute of Technology

Bengaluru – 560070

Innovative Teaching Methods

Title of Innovation method/activity: Crossword

Faculty / Inventor:

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Course Name:

Basic Electronics (II Semester, All Branches)

Goals / objective of method:

To kindle interest/enthusiasm.

Topic covered through activity:

Digital Electronics and Microcontrollers.

Description of method (8 – 10 lines):

Activity-based learning facilitates a better understanding of the subject by encouraging the student to complete the tasks at hand. The teacher, can immediately measure the students understanding by their ability to complete the tasks and take things ahead from there.

Methods like Quiz and Crossword are used to engage the students where they learn by being involved in these activities.

Benefits of method:

This activity serves as a technique to memorize / remember the concepts with ease.

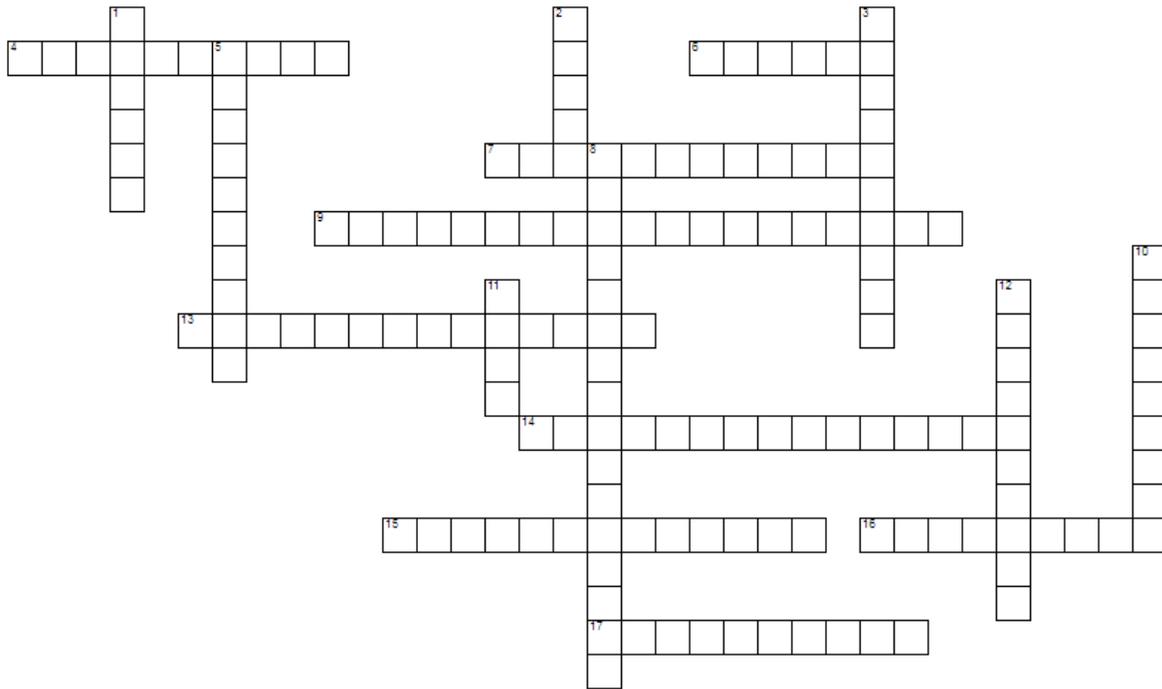
For review and critique contact: e-mail address of faculty and HOD

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Note: Activity sheet and solution attached.

Basic Electronics

CROSSWORD PUZZLE



ACROSS

- 4 Characteristic of a carrier is varied in accordance with the message signal.
- 6 If emitter base junction is forward biased, collector base junction is reverse biased then transistor is inregion.
- 7 Converts electrical pulses into mechanical movements
- 9 Amplitude of the carrier is varied in accordance with the message keeping frequency and phase constant.
- 13 The circuit with best stability
- 14 It is widely used in embedded systems for doing one and only one task.
- 15 Exchanging information
- 16 Converts AC to pulsating DC
- 17 Converts one form energy to another form.

DOWN

- 1 If emitter base junction is reverse biased, collector base junction is reverse biased then transistor is in region.
- 2 Two terminal Semiconductor device
- 3 Used in regulators
- 5 Amplify electronic signals
- 8 Press and generate electricity
- 10 It adds two bits of data and generates sum and carry bits
- 11 Used for measuring speed
- 12 If emitter base junction is forward biased, collector base junction is forward biased then transistor is in Region.

Basic Electronics

CROSSWORD PUZZLE

