

C001**ANSWERBOOK****STUDENT NUMBER****Title: Electronics Christmas Assessment****Time: 15 minutes****Lecturer: Roger Spark****Module: Applied Electronics****Questions: 15**1 A ☐ B ☐ C ☐ D ☐ E ☐2 A ☐ B ☐ C ☐ D ☐ E ☐3 A ☐ B ☐ C ☐ D ☐ E ☐4 A ☐ B ☐ C ☐ D ☐ E ☐5 A ☐ B ☐ C ☐ D ☐ E ☐6 A ☐ B ☐ C ☐ D ☐ E ☐7 A ☐ B ☐ C ☐ D ☐ E ☐8 A ☐ B ☐ C ☐ D ☐ E ☐9 A ☐ B ☐ C ☐ D ☐ E ☐10 A ☐ B ☐ C ☐ D ☐ E ☐11 A ☐ B ☐ C ☐ D ☐ E ☐12 A ☐ B ☐ C ☐ D ☐ E ☐13 A ☐ B ☐ C ☐ D ☐ E ☐14 A ☐ B ☐ C ☐ D ☐ E ☐15 A ☐ B ☐ C ☐ D ☐ E ☐

QUESTION SHEET

1. Which of the following is minimum error code?
 - a. Octal code
 - b. Grey code
 - c. Binary code
 - d. Excess 3 code
 - e. None of Above
2. The schmitt trigger may be used to?
 - a. change voltage to corresponding frequency
 - b. Change frequency to voltage
 - c. Square slowly varying input
 - d. Amplify current
 - e. None of above
3. What is the characteristic voltage that develops across a red LED?
 - a. 1.7v
 - b. 3.4v
 - c. 0.6v
 - d. 5v
 - e. 9v
4. Radix of binary number system is _____?
 - a. 0
 - b. 1
 - c. 2
 - d. A & B
 - e. 8
5. To obtain a higher value of resistance, resistors are connected in:
 - a. Reverse
 - b. Forward
 - c. Parallel
 - d. Series
 - e. You cannot obtain a higher value
6. A resistor with colour bands: red-red-red-gold, has the value:
 - a. 22k
 - b. 2k2
 - c. 220R
 - d. 22R
 - e. 20R
7. What is 1000p?
 - a. 0.01n
 - b. 0.0001u
 - c. 0.1n
 - d. 1n
 - e. 1cm
8. A simple flip-flop

- a. is 2 bit memory
- b. is 1 bit memory
- c. is a four state device
- d. has nothing to do with memory
- e. is 8 bit memory

9. What does LED stand for?

- a. Light Emitting Display
- b. Low Energy Display
- c. Light Emitting Diode
- d. Light Emitting Detector
- e. Low Entry Display

10. Which is not a common value for resistance?

- a. 2k7
- b. 1M8
- c. 330R
- d. 4k4
- e. None of the above

11. The systematic reduction of logic circuits is accomplished by:

- a. symbolic reduction
- b. using Boolean algebra
- c. TTL logic
- d. using a truth table
- e. logic circuits can't normally be reduced

12. When two resistors are placed in a series, is the final resistance

- a. Higher
- b. Lower
- c. Unchanged
- d. Cannot be determined
- e. Canceled out

13. How can you make a bulleted list?

- a. <list>
- b. <nl>
- c.
- d.
- e.

14. Which of the following expressions is in the sum-of-products (SOP) form?

- a. $AB + CD$
- b. $AB(CD)$
- c. $(A + B)(C + D)$
- d. $(A)B(CD)$
- e. A^2

15. question1?

- a. ansll
- b. anjjk
- c. anjn
- d. anuh

e. hhh

Test completion guidelines

- 1. Only use pen inside the answer circles and for student no.**
- 2. Try not to go outside the circles when marking them**
- 3. Try to mark only one circle in each row**
- 4. The circle filled in more, will be considered your answer**
- 5. Only return the answerbook**