

# MODEL PAPER

Date of Examination



No. of Questions	25
No. of Pages	00

**GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY**  
**SELECTION TEST FOR THE ENROLLMENT OF DAY SCHOLARS – INTAKE 39**  
**BT (HONS) IN INFORMATION AND COMMUNICATION TECHNOLOGY**  
**SUBJECT RELATED KNOWLEDGE**

**Instructions:**

Answer all questions

Mark the correct answers on MCQ answer sheet, which is provided

**Duration: 20 min**

1. Consider the following equations:

A-  $y = -\frac{1}{2}x$

B-  $y = \frac{1}{2}x$

C-  $y = -\frac{1}{2}x + 2015$

Out of the above, which equation/s could be perpendicular to the straight line  $y = 2x$ ?

- A and C only
  - A only
  - B only
  - A and B only
2. Which of the following operating system is used on mobile phones?
- Windows XP
  - Android
  - Red Hat Linux
  - All of the above
3. If the two straight lines of equation  $y = 2x + 3$  and  $2y = mx + 4$  are perpendicular to each other, what is the value of  $m$ ?
- 1
  - $-\frac{1}{2}$
  - 1
  - 2

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4. Which of the following binary numbers is equivalent to  $36_{10}$ ?
  - a.  $001001_2$
  - b.  $100100_2$
  - c.  $100110_2$
  - d.  $101010_2$
  
5. Which of the following component is generally seen outside the Central Processing Unit (CPU) of a computer?
  - a. RAM
  - b. Control unit
  - c. Arithmetic and Logical Unit (ALU)
  - d. General purpose registers
  
6. Which one of the following is NOT a web browser?
  - a. Firefox
  - b. Facebook
  - c. Chrome
  - d. Safari
  
7. HTML stands for:
  - a. Hyper Text Markup Language
  - b. Hyper Text Manipulation Language
  - c. Hyper Text Managing Links
  - d. Hyper Text Manipulating Links
  
8. What is NOT a programming language?
  - a. Python
  - b. C
  - c. FORTRAN
  - d. Windows Vista
  
9. Computers can collect data using,
  - a. Perceiver
  - b. Actuators
  - c. Sensors
  - d. Both A & C
  
10. For modern computer systems, primary storage is made up of
  - a. Magnetic devices
  - b. Paper tape devices
  - c. Semiconductor devices
  - d. Tiered structure disk devices

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11. The base of the binary number system is

- a. 2
- b. 8
- c. 16
- d. 32

12. Which of the following is the appropriate format of an email address?

- a. www.mail.com
- b. www@mail.com
- c. www-mail.com
- d. www@mail\_com

**THERE WILL BE 25 QUESTIONS IN THE ACTUAL EXAM PAPER**