

# TECHNICAL QUIZ

Organized by:

## SONIC

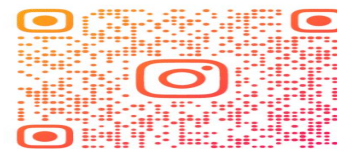
### Technical Club RECM



24 May 2024



Seminal Hall



@SONICTECHCLUB\_RECM

# Introduction

- There should be 4 members in each team.
- There will be 2 rounds in the quiz:
  - Round 1: Elimination round
  - Round 2: Final round

# Round 1 – Elimination Round

- There will be 15 MCQ Questions for all teams.
- Selected top 5 teams will be promoted for the 2nd round.
- 30 seconds will be allotted for each question.
- Marking:
  - +4 for right answer. o -1 for wrong answer.
  - 0 marks for no answer.

# Round 2: Final Round

- This round will be oral.
- 5 Questions will be asked to each team.
- Marking:
  - +10 for right answer.
  - 4 for wrong answer.
  - 0 marks for no answer.
- 45 seconds will be allotted for each new question in this round.

**Let's Begin the Show Down...**

**1. Which phenomenon describes the splitting of a single particle into two particles, such as electron-positron pairs, in the presence of a strong electric field?**

- A. Annihilation
- B. Photoelectric effect
- C. Compton scattering
- D. Pair production

**2. Which was the first general-purpose electronic digital computer?**

A. ENIAC

B. UNIVAC

C. IBM 701

D. Mark I

### **3. Who is considered the father of computer science?**

- A. Alan Turing
- B. Charles Babbage
- C. John von Neumann
- D. Ada Lovelace



**4. Which of the following is responsible for mediating the electromagnetic force?**

A. Graviton

B. Gluon

C. Photon

D. W boson

**5. Which country is credited with the invention of paper?**

- A. India
- B. Greece
- C. China
- D. Egypt

**6. What is the term for the hypothetical region of spacetime with extremely strong gravitational effects from which nothing, not even light, can escape?**

- A. White hole
- B. Event horizon
- C. Singularity
- D. Black hole

**7. How many color dots make up one color pixel on a screen?**

A. 265

B. 16

C. 8

D. 3

**8. What was the name of the mission that successfully landed the first humans on the Moon in 1969?**

- A. Apollo 10
- B. Apollo 13
- C. Apollo 8
- D. Apollo 11

## **9. Who is credited with the discovery of X-rays in 1895?**

- A. Max Planck
- B. Marie Curie
- C. Ernest Rutherford
- D. Wilhelm Conrad Röntgen

**10. What is the term for the first successful test of the atomic bomb, conducted by the United States in July 1945?**

- A. Manhattan Project
- B. Operation Overload
- C. Trinity test
- D. Hiroshima bombing

## **11. Who is the father of internet?**

- A. Charles Babbage
- B. Vint Cerf
- C. Dennis Ritchie
- D. Martin Cooper



**12. When was the first public demonstration of electric light by Thomas Edison?**

A. 1876

B. 1879

C. 1882

D. 1885

### **13. What is the significance of the work of Leonardo da Vinci in mechanical engineering?**

- A. He invented the steam engine
- B. He designed numerous mechanical devices and concepts
- C. He developed the first hydraulic press
- D. He created the first working airplane

**14. Program designed to perform specific task is known as**

- A. System Software
- B. Application Software
- C. Utility program
- D. Operating System

## **15. Bit stands for**

- A. Binary digits
- B. Bit of system
- C. A part of Byte
- D. All of the above