Ref. No. CUIET/CSE/ACAD/2024/157

Date: 29th April 2024

UPDATED NOTICE

Test Type: **ST** (Choose FA/ST)	Test No: **03**	Total Marks: **50**	Duration: **60 Minutes**

Course Code.: **22CS016**   Course Title: **Computer Organisation and Architecture**

Day: **Tuesday**   Date: **7th May 2024**   Time: **10:00 AM Onwards (In Slots)**

Mode: **Online (In Campus)**

Programme & Semester: **B.E.(CSE) & 4th Sem**   Platform: CodeQuotient

Syllabus for Test:

- **Central Processing Unit: Introduction, General Register Organization.**
- **Stack Organization and Instruction Format, Notations.**
- **Addressing Modes, Data Transfer and Manipulation.**
- **Program Control: Status bits, Conditional Branch Instructions, Program Interrupts & Types.**
- **RISC and CISC Characteristics.**
- **Pipelining and parallel processing: Basics of pipelining, pipeline hazards, techniques for handling hazards, parallel processing architectures.**
- **Input-Output Organization: I/O Interface.**
- **Asynchronous Data Transfer.**
- **Modes of Transfer.**

Format of Assessment:

No. of Questions: 20 Questions – 1 mark, 15 Questions – 2 marks

Remarks, if any:

- **Test link will be provided during the examination.**

Name & Signature of the Coordinator: **Dr. Kamal Saluja**

Name & Signature of the Academic Delivery Head: **Dr. Ravi Kumar Sachdeva**

Name & Signature of the Dean: **Dr. Raj Gaurang Tiwari**