

No Preview  
Available

Total No. of Question : [4]

Registration No. : 

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**Programme Name : Computer Science & Engineering(DS)**

**Regular S.Y.B.Tech. ESE ( A.Y. 2023-24) Sem. III Nov.2023**

**III SEMESTER ( 2022 BATCH)**

**201DSL203-Structured Computer Organization and Microprocessors-TH**

Duration : [ 11:00 AM - 01:00 PM ]

Date : 28 Nov, 2023

Day : Tuesday

Marks : 50

**Instructions :**

(Q1) All Question Compulsory [20.0]

(a) Write down the difference between CISC and RISC [6.0]

(b) State design principles of Modern Computers, explain each in brief [7.0]

(c) With neat diagram explain ripple carryadder [7.0]

(Q2) All Questions are compulsory [10.0]

(a) List features of Pentium 4 with brief note on each [4.0]

(b) With neat diagram explain architecture of 8085 microprocessor [6.0]

**OR [ b / c ]**

(c) With block diagram, explain a microprocessor-based computer system [6.0]

(Q3) All Questions are compulsory [10.0]

(a) Differentiate between i3, i5, i7 processors [3.0]

**OR [ a / b ]**

(b) How much memory is accessible to the Pentium microprocessor? Justify your answer [3.0]

(c) With neat diagram, explain internal structure of Pentium Pro microprocessor [7.0]

(Q4) Attempt any two out of three questions [10.0]

(a) With neat diagram, explain network processors in brief [5.0]

(b) With neat diagram, explain fermi GPU architecture [5.0]

(c) Write a note on Homogeneous Multiprocessors on Chip [5.0]

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