

D (Printed Pages 4)
(20525) Roll No.
B.Sc. (Com. Sci.)-IV Sem.

NP-3606
B.Sc. (Com. Science)
Examination, May - 2025
COMPUTER ORGANIZATION
(BCS-402)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt all sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Attempt all **five** questions. Each question carries **03** marks. $5 \times 3 = 15$

1. What is virtual memory? 3
2. What is priority interrupt? 3
3. What is RISC and CISC? 3

P.T.O.

4. What is memory transfer? 3
5. What is instruction format? 3

Section-B

(Short Answer Type Questions)

Note : Attempt any **two** questions out of the following **three** questions. Each question carries **7.5** marks. $2 \times 7.5 = 15$

6. What is serial communication? Explain. 7.5
7. What is General Register organization? Explain. 7.5
8. What is RISC and CISC? Explain characteristics of RISC and CISC. 7.5

Section-C

(Detailed Answer Type Questions)

Note : Attempt any **three** questions. Each question carries **15** marks. Answer is required in detail. $3 \times 15 = 45$

NP-3606/2

9. What is DMA controller? Explain Direct memory access controller in detail with diagram. 15

10. Explain Hardwired control unit and microprogrammed control unit? Explain difference between them. Also Explain types of micro programmed control unit? 15

11. What is importance of addressing mode in computer organization? Explain various types of addressing model in detail? 15

12. (a) Is computer Architecture different from computer organization? Explain. 15

(b) What is difference between software and Hardware interrupts? Explain.

NP-3606/3

P.T.O.

13. Write short notes on **any three** (03) :

15

(a) **Register transfer language**

(b) **Bus Architecture**

(c) **Shift Micro operation**

(d) **Auxiliary memory**

(e) **CPU-IOP communication**

NP-3606/4