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Microprocessor ESE Question Bank 2021-22

- Q. 1. Write a difference between Pentium and Pentium Pro processors.
- Q.2. Draw and explain the timing diagram for minimum and maximum modes.
- Q.3. Give the advantages of memory segmentation of 8086.
- Q.4. Explain an instruction issue algorithm of Pentium processor.
- Q.5. Explain minimum mode and maximum mode configuration.
- Q.6. Write a short note on mixed language programming.
- Q.7. Explain cache organization of Pentium.
- Q.8. Draw and explain the architecture for 8255.
- Q.9. Explain programming model for 8086.
- Q.10. Explain control registers for 80386.
- Q.11. Write a program to display string Electrical and Electronics Engineering for 8086.
- Q. 12. What do you mean by assembly directives of 8086?
- Q. 13. What do you mean by real mode and protected mode.
- Q. 14. Write a difference between Pentium and Pentium Pro processors.
- Q. 15. Explain assembler directives.
- Q. 16. Write assembly language program for division of two BCD numbers in unpacked form.
- Q. 17. Explain the memory management in detail for 80386.
- Q. 18. Explain XLAT instruction with its addressing mode.
- Q. 19. Draw the control word format of 8255 for following settings:

Port A – Handshake Input port

Port B – Handshake Output port

Q. 20. Explain the role of 8257.

Q. 21. Draw the CWR of 8255 in BSR mode and write assembly language program to generate square wave on PC4 pin.

Q.22. Explain memory banking concept of 8086 processor.

Q. 23. Draw block diagram of PIC8259.

Q. 24. Explain all string instructions supported by 8086.

Q. 25. Explain branch prediction.