

BSCS 3rd semester

Computer Organization and Assembly Language

Assignment No. 1

Distinguish each of the following instructions as correct or incorrect. In case of the correct instructions, state the type of the use addressing mode. In case of the incorrect instructions, justify the reason.

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| 1. MOV AL, 3344H | 15. MOV AL, [00] |
| 2. MOV BH, 0500H | 16. MOV [SI], 3344H |
| 3. MOV AX, 3344H | 17. MOV [BH], 0500H |
| 4. MOV DX, 4567 | 18. MOV [SI], AX |
| 5. MOV SI, DI | 19. MOV [SI], [DI] |
| 6. MOV CS, 3344H | 20. MOV [SI + 5], DI |
| 7. MOV DS, ES | 21. MOV IP, [SI], |
| 8. MOV ES, 80 | 22. MOV [DI], 0101 |
| 9. MOV IP, 0100 | 23. MOV CS, [SI + DI] |
| 10. MOV AL, BX | 24. MOV SS, [BX + 30] |
| 11. MOV CL, DI | 25. MOV DS, [F000] |
| 12. MOV BP, SP | 26. MOV ES, [BX + SI] |
| 13. MOV BP, 3344h | 27. MOV SS, [DI, BP] |
| 14. MOV AL, [3344] | 28. MOV DS, [SI + SP] |