Computer Organization and Architecture

Post-Lab

Lab 06



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Class	Computer Organization and Architecture CPE343(BCE-5B)
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Postlab

```
Lab - 06 - Post lab
              A3
CIK
          4×1
                           4 × 1
                                             4 × 4
                                                             4 ×1
          MUX
Serial
 input
 SF
                                                                - Serial Input
                                                                    snift feft.
                                           I,
                                                        Jo
                             code:
                   Universal Se (I[3:0], select [1:0], A [3:0], CIK, Se, SL);
       module
            input
                    [3:0]];
            input
                    CIKS
            input
                    [1:0] select;
            input
                    SE, SL'S
            output
                    : A [0:6]
            wire
                    m1, m2, m3, m4;
            wire
                    901,902,903,995
           mux m1 ( A [ b] , A [ s] , Se , I [ o] , m1 , select);
           DFF d1 ( m1 , CIK , A[0] , 901);
           mux m2 (A[1], A[2], A[0], J[1], m2, select);
           DFF d2 ( m 2, CIK, AFB, 902);
            mux m3 (A[1], A[3], A[1], J[2], m3, select);
            DFF d3 ( m3 , CIK , A[2] , ev p3);
           mux m4 (A[3], SL, A[2], I[3], m4, select);
           DFF d4 (m4, CIK, A[3], 914);
      end module.
```

Output Waveform:

