

- (5) **Question 1.** Digital value
- (5) **Question 2.** Baud rate in bits/sec
- (25) **Question 3.** Show subroutine

- (5) **Question 4.** Show the code

- (5) **Question 5.** List variables A,B,C,D,E,F,G
- (5) **Question 6.** List variables A,B,C,D,E,F,G
- (5) **Question 7.** Give value of **xxx**
- (5) **Question 8.** Give value of **xxx**
- (5) **Question 9.** Specify A, B, C, D, E
- (5) **Question 10.** Output sequence

- (5) **Question 11.** Give instruction for **yyy**
- (5) **Question 12.** Give value of **zzz**
- (5) **Question 13.** Specify A, B, C, D, E
- (5) **Question 14.** Give R_I in ohms
- (5) **Question 15.** Specify A, B, C, D, E

$1024 * 1.25 / 5 = 1024 / 4 = 256$
$1000 \text{ bytes/sec} * 10 \text{ bits/byte} = 10,000 \text{ bits/sec}$
<pre>InSt brclr SCISR1, #520, * ldaa SCIDRL staa 1, y+ cmpa #CR bne InSt rts</pre>
<pre>movw #50, 2, -sp or ldd #50 pshd or ldd #50 leas -2, s std 0, s</pre>
B
D, E, G
0
4
A) Stabilization
<pre>S1(out=01, wait=5) S2(out=10, wait=10) S2(out=10, wait=10) S2(out=10, wait=10) repeats S2</pre>
bclr
2
C. $\text{base} + I + 4 * J$
$R_I = (5 - 1 - 0.5) / 0.001 = 3500 \text{ ohms}$
A. all registers but the SP