

### BSS (MCQ Test/Fill in the blanks)

1. If a signal depends on only one independent variable, it is called a 1-D s/g.
2. Discrete-time signals are discrete in time and continuous in amplitude.
3.  $u(t-a) = 0$  if  
Ans: (b)  $t-a < 0$
4. Ans: (b) 0
5. Ans: (d) 0
6. Ans: (d)  $x(0)$
7. Ans: (c)  $\frac{1}{|a|} \delta(t)$
8. ~~The~~ Unit ramp function can be obtained by integrating the unit step function.
9. The signals that are discrete in time and quantized in amplitude are called 'digital signals'.
10. The representation of a signal by mathematical expression is known as bits.
11. Ans: (b)  $1/a$

12) Ans:  $(b) \times (2t+2)$ .

13) Ans: ~~10~~  $(1^3 + 4) = 5$

14) Ans:  $0$

~~10~~ 15) Ans:  $u(n)$ .

—x—