

## PROBABILITY AND STATISTICS

[BT]  
KEYS**I Choose the correct alternative:**

1. d
2. a
3. b
4. c
5. c
6. c
7. b
8. b
9. a
10. c

**II Fill in the blanks**

11.  $\mu_1 - z_{\alpha/2} \cdot \sigma_1 < \mu < \mu_1 + z_{\alpha/2} \cdot \sigma_2$
12. 0.056
13. 
$$\frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}}$$
14.  $\bar{X}$
15.  $\bar{x} \pm Z_{\alpha/2} \cdot \frac{\sigma}{\sqrt{n}}$
16.  $\frac{1}{\mu - \lambda}$
17. 10/15
18. Normal
19.  $\left( \frac{Z_{\alpha/2} \cdot \sigma}{E} \right)^2$
20. Reneging