

14. A sample of size 16 is taken whose standard deviation is 8. What is the maximum error with 0.95 probability ?
(a) 3.506 (b) 5.894 (c) 5.204 (d) 4.262 []
15. A sample of size 20 is taken whose standard deviation is 3. What is the maximum error with 0.95 probability ?
(a) 1.4040 (b) 1.1598 (c) 1.9192 (d) 1.7032 []
16. A sample of size 25 is taken whose variance is 16. What is the maximum error with 0.99 probability ?
(a) 1.6512 (b) 1.9936 (c) 2.2376 (d) 1.3688 []
17. A sample of size 16 is taken whose variance is 64. What is the maximum error with 0.99 probability ?
(a) 5.204 (b) 5.894 (c) 3.506 (d) 4.262 []
18. A sample of size 20 is taken whose variance is 9. What is the maximum error with 0.99 probability ?
(a) 1.9192 (b) 1.4040 (c) 1.7032 (d) 1.1598 []
19. A sample of size 64 is taken whose standard deviation is σ . If the maximum error with 0.99 probability is 0.9656, then $\sigma = ?$
(a) 3.94 (b) 31.5 (c) 24 (d) 3 []
19. A sample of size 144 is taken whose standard deviation is σ . If the maximum error with 0.95 probability is 1.47, then $\sigma = ?$
(a) 11664 (b) 108 (c) 81 (d) 46.93 []