

- Q.1** Define in one sentence the term “Quality Control”. Write notes on three of the following:
- (a) Quality Dimensions
 - (b) Quality Characteristics
 - (c) Quality of Design and Conformance
 - (d) Deeming’s and Juran’s philosophy of Quality Control
 - (e) Prevention and External Failure costs
- Q.2** Describe how lager beer is manufactured. List the adjuncts that may be added to impart flavour and enhance keeping the quality of beer.
- Q.3** Write an essay entitled “Microbial Contamination of Eukaryotic Cell Cultures”.
- Q.4** Discuss the application, advantages and disadvantages of the use of bacteria for bioremediation of contaminated soils.
- Q.5** Describe the application of anaerobic digestion for the treatment of industrial wastewaters.
- Q.6** Write an essay on your understanding of Environmental Management Systems (ISO 14001). Briefly outline how this relates to the ISO 9000 series.
- Q.7** Write an essay entitled “Attaining ILAB Accreditation for a Microbiology Testing Laboratory”. Use your experiences when formulating your answer.
- Q.8** Write notes on three of the following. Include in your answers examples which are relevant to each: 4
- (a) Robustness
 - (b) Accuracy
 - (c) Precision
 - (d) Specificity
- Q.9** Write an essay on “Food safety systems based on the HACCP principles”.