

Chapter – 1
Historical Preceptive

1. Malt used to ferment beer is prepared by
 - (A) barley in soaked water
 - (B) germinated barley
 - (C) roasted barley
 - (D) dried barley

2. The scientists who discovered restriction endonucleases are
 - (A) Werner Arber
 - (B) Daniel Nathans
 - (C) Hamilton O. Smith
 - (D) Howard Martin Temin

3. Which of the following statements included in Koch's postulate?
 - (A) A specific organism can always be found in association with a given disease
 - (B) The organism can be isolated and grown in pure cultures in the laboratory
 - (C) The pure culture will produce the disease when inoculated into susceptible animal
 - (D) It is possible to clone the organism of the organism from the experimentally infected animal

4. Which of the following statements are associated with contributions of Louis Pasteur?
 - (A) Anthrax is caused by anthrax bacillus.
 - (B) Bacteria causing food spoilage come from air
 - (C) The disease-causing organism must be isolated in pure culture
 - (D) Bacteria cause the wine disease

5. *E. coli*
 - (A) was the first disease-causing bacterium identified by Robert Koch
 - (B) is part of the normal microbiota of humans
 - (C) strains can cause bloody diarrhea
 - (D) is beneficial to human

6. Robert Koch gave his contribution in
 - (A) identification of causative agent of anthrax
 - (B) discovery of causative agent of tuberculosis
 - (C) discovery of causative agent of leprosy
 - (D) identification of causative agent of cholera

7. Reverse transcriptase used in genetic engineering was discovered by
 - (A) Werner Arber
 - (B) David Baltimore
 - (C) Hamilton O. Smith
 - (D) Howard Temin

8. Mark the CORRECT match of the scientist with their contribution.
 - (A) Robert Koch – discovery of causative agent of tuberculosis
 - (B) Walther Hesse – use of agar as solid media

- (C) Louis Pasteur – disproved spontaneous generation
(D) Ferdinand Cohn – invention of microscope
9. The “Three Domain System of Classification” based on
(A) sequence of rRNA
(B) sequence of cyt-C
(C) structure of lipid of cell membrane
(D) sensitivity to antibiotics
10. Which of these scientists gave the experiments in support of spontaneous generation?
(A) Aristotle
(B) John Needham
(C) Francesco Redi
(D) Louis Pasture

Answer

1. (A), (B), (D)
2. (A), (B), (C)
3. (A), (B), (C)
4. (A), (B), (D)
5. (B), (C), (D)
6. (A), (B), (D)
7. (B), (D)
8. (A), (B), (C)
9. (A), (C), (D)
10. (A), (B)