

COLLEGE INTERNAL EVALUATION (CIE)-2022
DR KANAILAL BHATTACHARYYA COLLEGE
3RD SEMESTER, SUBJECT-PHYSIOLOGY HONOURS, (DATE: 13/09/2022)

FULL MARKS-20

TIME-1 HOUR

GR-A

1. Answer any three questions: 3×2=6
 - a. State the identifying characters of histological structure of trachea.
 - b. Mention the location and structure of Clara cell.
 - c. State the function of goblet cell.
 - d. Name the cartilages that makes voice-box.

2. Answers any four questions: 4×1=4
 - a. What component fills the two ends of C- shaped cartilage in trachea?
 - b. What type of epithelium is present in the inner lining of upper respiratory tract?
 - c. What is dust cell?
 - d. What is the function of type-II pneumocyte?
 - e. Name the epithelium present in alveolar wall.

GR-B

1. Answer any six questions: 6X1=6
 - a. State the location of red bone marrow and yellow bone marrow.
 - b. What is the difference between plasma and serum?
 - c. Mention one advantage of the biconcave shape of RBC.
 - d. What is Bombay Blood group?
 - e. State the location and function of Spectrin.
 - f. Name the formed elements of blood.
 - g. What do you mean by normocyte, microcyte and macrocyte?

2. PRACTICAL: 2+1+1=4
 - a. State the reaction of Haemin crystal formation.
 - b. How the crystals look under microscope?
 - c. Mention the application of this test.

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3. Answer any three questions: 3×2=6
 - e. State the identifying characters of histological structure of trachea.
 - f. Mention the location and structure of Clara cell.
 - g. State the function of goblet cell.
 - h. Name the cartilages that makes voice-box.

4. Answers any four questions: 4×1=4
 - f. What component fills the two ends of C- shaped cartilage in trachea?
 - g. What type of epithelium is present in the inner lining of upper respiratory tract?
 - h. What is dust cell?
 - i. What is the function of type-II pneumocyte?
 - j. Name the epithelium present in alveolar wall.

GR-B

3. Answer any six questions: 6X1=6
 - h. State the location of red bone marrow and yellow bone marrow.
 - i. What is the difference between plasma and serum?
 - j. Mention one advantage of the biconcave shape of RBC.
 - k. What is Bombay Blood group?
 - l. State the location and function of Spectrin.
 - m. Name the formed elements of blood.
 - n. What do you mean by normocyte, microcyte and macrocyte?

4. PRACTICAL: 2+1+1=4
 - d. State the reaction of Haemin crystal formation.
 - e. How the crystals look under microscope?
 - f. Mention the application of this test.