



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 4) Internal Examination - 2026
US04MIZOO01 (Basic Physiology)

Date: 10/03/2026 Day: Tuesday
Time: 02:45 TO 03:45 P.M.



Total marks :20

Q-1. Multiple Choice Questions.

(6Marks)

1. The end products of protein digestion are
A. Fatty acids B. Monosaccharides C. Amino acids D. Nucleotides
2. Emulsification of fats is mainly carried out by
A. Lipase B. Trypsin C. Bile salts D. Amylase
3. Peptic ulcer is commonly associated with infection by
A. Salmonella typhi B. Vibrio cholerae C. Helicobacter pylori D. Escherichia coli
4. Plasma proteins responsible for maintaining osmotic pressure are mainly:
A. Globulins B. Fibrinogen C. Albumins D. Prothrombin
5. Hemolytic disease of the newborn is associated with incompatibility of
A. ABO group B. Rh factor C. Platelets D. Plasma protein
6. The nucleus of a mature mammalian RBC is
A. Lobed B. Central C. Absent D. Peripheral

Q-2 Describe the anatomy of the stomach with a labeled diagram.

(7Marks)

OR

Q-2 Explain the digestion and absorption of carbohydrates, proteins and lipids in the human digestive system.

(7Marks)

Q-3 Describe the erythropoiesis process and composition of blood cell.

(7Marks)

OR

Q-3 Describe complications arising from incompatible blood transfusion.

(7Marks)

Supervisor sign

Seat No.:



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



B.SC (Semester 4) Quiz - 2026
US04MIZOO01(Basic Physiology)

Date: 10/03/2026 Day: Tuesday

Time: Maximum 10 minutes

Total marks :05

Q-1 Fill in the blanks with appropriate answer given in the bracket.

- (i) The hormone responsible for stimulation of pancreatic bicarbonate secretion is _____.
(Secretin / Gastrin)
- (ii) Hydrochloric acid is secreted by _____ cells.
(Parietal / Chief)
- (iii) The protective layer of the stomach lining is formed by _____. (mucus, enzyme)
- (iv) Platelets are derived from _____. (Myeloblasts, Megakaryocytes)
- (v) Pernicious anemia is caused by deficiency of _____. (Vitamin B12, Folic acid).

