Q.1 Select and write the most appropriate answer from the given alternatives for each question. [8]

(i) The use of ultrasound waves and their returning echoes is the basis of ........... (1)
   (a) Angiography (b) Sonography (c) Endoscopy (d) Photography.

(ii) Which hormone stimulates release of milk from the mammary gland? (1)
   (a) Prolactin (b) Oestrogen (c) Latentizing hormone (d) Oxytocin

(iii) The main device in a computer system is ............ (1)
   (a) Monitor (b) Peripherals (c) Input Devices (d) C. P. U.

(iv) Which of the following is not a marine fish? (1)
   (a) Bombay Duck (b) Pomphret (c) Labeo (d) Mackarei.

(v) The hypoadvitiy of thyroid gland in adults causes ........... (1)
   (a) Myxoedema (b) Cretinism (c) Gigantism (d) Exophthalmic goitre

(vi) The ............ is employed for rearing of earthworms. (1)
   (a) Bamboo Tray (b) Apiary (c) Vermibox (d) Poultry farm.

(vii) The endometrium is a part of ........... (1)
   (a) Urinary bladder (b) Uterus (c) Ureter (d) Urethra

(viii) Which cells of the testis provide nourishment to the spermatzoa? (1)
   (a) Sertoli cells (b) Leydig cells (c) Interstitial cells (d) Spermatogonia.

Q.2 Answer the following questions: [8]

(A) What is Endoscopy? Give its uses. (2)

OR

Give the applications of Bioinformatics. (2)

(B) How vermicomposting is done in a small scale? (2)

OR

Why vermicompost is a good fertilizer? Comment. (2)

(C) Describe in brief T.S. of Spinal Cord. (2)

(D) Distinguish between: Ureotelism and Uricotelism. (2)

Q.3 Answer the following questions: [8]

(A) Write a note on Malpighian body. (2)

(B) Give reasons - 'The Government of India made it compulsory to sale Iodized salt'. (2)

OR

Draw a neat labelled diagram of T. S. of Thyroid gland. (2)

(C) What is Reflex action? Give its significance. (2)

(D) Draw a neat labelled diagram of T. S. of Testis. (2)

OR

Write a note on Blastocyst.
Q. 4. Attempt any two of the followings: [8]
   (A) What is Innate immunity? (4)
   (B) Describe in brief different problems of Adolescents. (4)
   (C) Give symptoms of AIDS. Add a note on preventive measures of AIDS. (4)

Q. 5. Answer the following: [8]
   With the help of a neat labelled diagram describe the internal structure of Human heart. (8)
   OR
   (A) Describe the physiology of urine formation in humans. (4)
   (B) With the help of neat labelled diagram describe the Central Nervous system of Cockroach. (4)