

ROLL No.....

NATIONAL COUNCIL FOR HOTEL MANAGEMENT  
AND CATERING TECHNOLOGY, NOIDA  
**ACADEMIC YEAR – 2016-2017**

COURSE : 1<sup>st</sup> Semester of Post Graduate Diploma in  
Dietetics & Hospital Food Service  
SUBJECT : Human Physiology  
TIME ALLOWED : 02 Hours MAX. MARKS: 50

---

(Marks allotted to each question are given in brackets)

---

- Q.1. Describe the chambers of heart with diagram. (10)
- Q.2. Explain different types of anaemia. (5)  
**OR**  
What is the composition of blood? (5)
- Q.3. What is Blood pressure? List factors affecting blood pressure. (5)  
**OR**  
Discuss the function of the following:  
(a) Larynx  
(b) Gastric juice (2 ½ + 2 ½ =5)
- Q.4. Explain the transport of CO<sub>2</sub> in the body. (5)  
**OR**  
List the organs involved in the process of respiration. (5)
- Q.5. Discuss the function of following fluid: (5)  
(a) Saliva (b) Bile  
**OR**  
Enumerate **any two** common disorders of the digestive tract. (5)

Q.6. What do you understand by the following terms?

- (a) Dialysis
- (b) Homeostasis

(2 ½ + 2 ½ =5)

Q.7. (a) Explain two different types of emergency contraceptives.  
(b) What is the role of thyroid gland in the body?

(2 ½ + 2 ½ =5)

Q.8. Fill in the blanks:

- (a) The four blood group system present in human beings are \_\_\_\_\_ and \_\_\_\_\_.
- (b) Small sac like structural unit of the lung where oxygen is exchanged for CO<sub>2</sub> is \_\_\_\_\_.
- (c) The membrane that covers the lungs and the wall of chest cavity to protect lungs is \_\_\_\_\_.
- (d) The saliva is composed of organic constituents such as \_\_\_\_\_, mucous, cellular constituent, urea and citrate.
- (e) \_\_\_\_\_ and \_\_\_\_\_ hormones are responsible for lactation.
- (f) Study of female reproductive system is termed as \_\_\_\_\_.
- (g) Hormone from Islets of Langerhans \_\_\_\_\_.
- (h) The first part of small intestine is \_\_\_\_\_.
- (i) The large intestine terminates at \_\_\_\_\_.
- (j) Cardiac output = Stroke volume X \_\_\_\_\_.

(10x1=10)

\*\*\*\*\*