

NATIONAL COUNCIL FOR HOTEL MANAGEMENT  
AND CATERING TECHNOLOGY, NOIDA  
**ACADEMIC YEAR – 2015-2016**

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

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(Marks allotted to each question are given in brackets)

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- Q.1. What do you understand by the term contraception? List **any three** methods. (10)
- Q.2. (a) Enumerate the pathophysiology of kidney.  
(b) Define the term Homeostasis. (7+3=10)
- Q.3. What are the different blood group systems?  
**OR**  
Give the role of gastric juice in the digestive process. (5)
- Q.4. Define and classify hypertension.  
**OR**  
Explain different types of anaemia. (5)
- Q.5. How is pituitary dwarf different from thyroid dwarf or cretin?  
**OR**  
Discuss the functions of nose and lungs. (5)
- Q.6. Give important physiological functions of kidney. (5)

Q.7. Explain the digestion of fat in the form of a flow chart.

**OR**

Enumerate **any two** common disorders of the digestive tract.

(5)

Q.8. Fill in the blanks:

- (a) Cardiac out = \_\_\_\_\_ x \_\_\_\_\_.
- (b) Oxygen is transported in our body by \_\_\_\_\_ and \_\_\_\_\_.
- (c) The saliva is composed of organic constituents such as \_\_\_\_\_, mucus, cellular constituents, urea and citrate.
- (d) Blood group 'O' has antibodies of \_\_\_\_\_ and \_\_\_\_\_.
- (e) Acromegaly is a disorder of \_\_\_\_\_ hormone.

(5x1=5)

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