

ROLL No.....

NATIONAL COUNCIL FOR HOTEL MANAGEMENT
AND CATERING TECHNOLOGY, NOIDA
ACADEMIC YEAR – 2014-2015

COURSE : 1st 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. What is an immune system? List the components of immune system. (10)

Q.2. What do you understand by the term cardiac cycle? Discuss its phases. (10)

Q.3. Define the following terms:
(a) Hypoxia (b) Extra cellular fluids (2 ½ + 2 ½ =5)

OR

Briefly describe the foetal growth and development.

Q.4. Define dialysis and its types. (5)
OR
Give the composition and functions of bile.

Q.5. Explain briefly:
(a) Grave's disease
(b) Diabetes mellitus (2 ½ + 2 ½ =5)

OR

Through a flow chart, describe the digestion of carbohydrate. (5)

Q.6. Enumerate the functions of the following:

- (a) Thyroid gland
- (b) The pancreas

(2 ½ + 2 ½ =5)

Q.7. What are different types of gynecological morbidities?

OR

What do you understand by the term 'Rh incompatibility'? List the major consequences?

(5)

Q.8. Match the following

- | | |
|---------------------------|---------------------------|
| (a) Contraction of uterus | (i) HCO ₃ |
| (b) Pineal gland | (ii) Nourishes the foetus |
| (c) Placenta | (iii) Oxytocin |
| (d) Chloride shift | (iv) True nucleus |
| (e) Eukaryotic cell | (v) Melatonin |

(5x1=5)
