

Name: _____					
Subject: Biology		Class: 10 <sup>th</sup>		Time: 80 minutes	
Total Marks: 40		Chapter No.2		MJDexpert.com	
Obtained marks					

**Note:** Please attempt any 10 short questions from Question 2. Also, attempt both parts (a and b) of Question 3. Cutting and removal of any content is strictly prohibited.

### Objective-Section

**Q. 1 Encircle the correct answer. (10x1=10)**

- The maintenance of internal body temperature is called  
A) Osmoregulation    B) Thermoregulation    C) Excretion    D) Guttation
- The byproduct of Photosynthesis is  
A) Carbon dioxide    B) Oxygen    C) Nitrogen    D) Ammonia
- The process of guttation occurs in the plant  
A) Pine    B) Grass    C) Keekar    D) Rubber plant
- The plants, living in dry environment, are  
A) Halophytes    B) Hydrophytes    C) Mesophytes    D) Xerophytes
- How many layers the skin of human body consists of  
A) One    B) Two    C) Three    D) Four
- The organ for filtration of blood is  
A) Intestine    B) Brain    C) Stomach    D) Kidney
- The length of human kidney is  
A) 10 cm    B) 5 cm    C) 4 cm    D) 27 cm
- The weight of human Kidney is approximately  
A) 110 g    B) 115 g    C) 120 g    D) 127 g
- Amount of Urea in normal chemical composition of urine is  
A) 6.3 g/l    B) 7.3 g/l    C) 8.3 g/l    D) 9.3 g/l
- Who is the writer of "Al-Tasrif" encyclopedia  
A) Abu al-Qasim    B) Jabir Bin Hayyan    C) Aristo    D) Al Farabi

### Subjective-Section

**Q.2 Write short answers of any ten of the following questions: (10x2=20)**

- Define Homeostasis and give an example.
- What is Guttation? How is it different from dew?
- What is meant by metabolic waste?
- What is the difference between human skin epidermis and dermis?
- What is the function of Urinary bladder?
- Define Nephron and write down the names of its parts.
- Describe the role of Bowman's capsule in nephron.
- What steps are involved in the formation of urine in the kidneys?
- Describe osmoregulator function of kidney.
- How is kidney stone formed?
- What is kidney failure and how can it be treated?
- What is meant by tissue rejection?

**Q.No.3 Long Question:**

**(5+5=10)**

- Write a note on nephron and draw a diagram.
- Write a note on Kidney transplant.