



**V.P. & R.P.T.P. SCIENCE COLLEGE**

**III – SEMESTER , INTERNAL EXAM-2017**

**ZOOLOGY – US03CZOO01 ( INVERTEBRATA & VERTEBRATA)**

**DATE: 6-10-2017**

**TIME: 3pm to 4:30pm**

**DAY: FRIDAY**

**MARKS: 25**

**Q-1. MULTIPLE CHOICE QUESTIONS. (3)**

1. How many numbers of tentacles are present in Obelia medusa?  
(a) 8 (b) 16 (c) 24 (d) 32
2. The main excretory product of Nereis is  
(a) Uric acid (b) Urea (c) Amonia (d) All of these
3. Liver of Shark is  
(a) Single lobed (b) Bilobed (c) Trilobed (d) Four lobed

**Q-2. ANSWER IN SHORT (ANY TWO). (4)**

1. Name the types of cells found in Sycon.
2. Name & function of the sense organs present in Nereis.
3. Draw & labeled the external characters of Shark.

**Q-3. Write notes on: (a) Nutrition in Sycon. (3)**

(b) Types of pseudopodia in Protozoa. (3)

**OR**

**Q-3. Describe the morphology of hydroid colony of Obelia. (6)**

**Q-4. Describe: (a) Excretory system of Liver fluke. (3)**

(b)Characteristic features of Heteronereis. (3)

**OR**

**Q-4. Describe the digestive system of Nereis. (6)**

**Q-5. Write a note on beneficial uses of Fishes. (6)**

**OR**

**Q-5. Describe the respiratory system of Shark. (6)**