

**PAPER-ZOOA-CC4-8-TH**

**THEORY-FM-25**

**Answer question 1 and any four from rest.**

Q. 1. Answer any five: 5x1

- a. What is organs of Jacobson ?
- b. Write the dental formula of rat .
- c. Write the role of muscoli pectinati .
- d. Write the location of smell receptors .
- e. What is Branchiostegal membrane ?
- f. Define – hourglass stomach . Give example .
- g. Define - Pin feather .
- h. What type of modification of the tusk of Wild boar ?

Q.2. a. Give a flow chart on mechanism of hearing . Write a comment on organ of corti . 2 + 2

b. What is the largest area in stomach ? 1

Q.3. a. Why we cough when we eat or swallow ? 2

b. Write the names of two skeletal muscles which are attached with malleus and stapes .

Write the role of the ceruminous glands. 2+1

Q.4.a. Differentiate in between mesonephros and metanephros type of kidney. What are the “cheek teeth” ? 2 + 1

b. Write the distributions of glossopharyngeal and hypoglossal cranial nerves in man . 2

Q.5. a. What is Branchiostegal membrane ? 2

b. Define – sanguinivorous. Give example . Define–gill racker. 2+1

Q.6.a. How ear is involved in balancing ? 2

b. Define– incisura angularis . What is Tripartite concept of kidney organization ? 1+2

Q.7. a. Compare the heart anatomy in between amphibia and lizard . 2

b. Define – foramen of panizza. Define – coprophagous . 2 + 1

Q.8. a. Differentiate in between sweat gland and sebaceous gland . 2

b. List down the names of the paired and unpaired air sacs in bird.

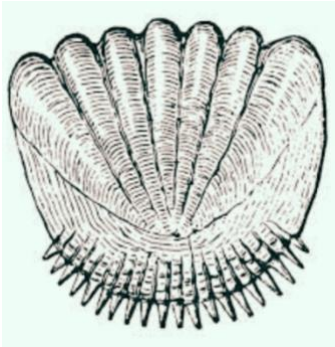
Define – chyme . 2 + 1

**PAPER-ZOOA-CC4-8-P**

**PRACTICAL- FM-15**

**All questions are compulsory**

1. Identify the following picture with reasons. 1+4



2. Identify the following picture with reasons. 1+4



3. Draw a labelled diagram of a reptilian heart. 2+3

**PAPER-ZOOA-CC4-8-IA**

**INTERNAL ASSESMENT-FM-10**

**Choose the right option**

1. The line of junction in between oesophagous and cardiac part of the stomach is known as  
a. M line b. Z line c. A line d. N line
2. A mucus secreting cell in stomach is –  
a. Chief cell b. Oxyntic cell c. Goblet cell d. None
3. Hyodian hemibranchs are present in –  
a. Rohu fish b. katla fish c. Shark d. koi fish
4. The type of oculomotor cranial nerve is –  
a. Motor b. Sensory c. Mixed d. None
5. “ baleen “ is a structure related with which system ? -  
a. Urinogenital b. digestive c. Circulatory d. Respiratory
6. “ Clasper “ which is a copulatory organ found in –  
a. Teleost b. Reptiles c. Amphibia d. Elasmobranch
7. “ Pin feather “ is actually known as –  
a. Filoplumes b. Plumules c. Contour d. None
8. “ Diastema “ is found in –  
a. Walrus b. Elephant c. Rat d. Human
9. An accessory air sac is –  
a. Clavicular b. Inter-clavicular c. Cervical d. Anterior thoracic
10. Pyloric sphincter is present in –  
a. Heart b. Kidney c. Stomach d. None