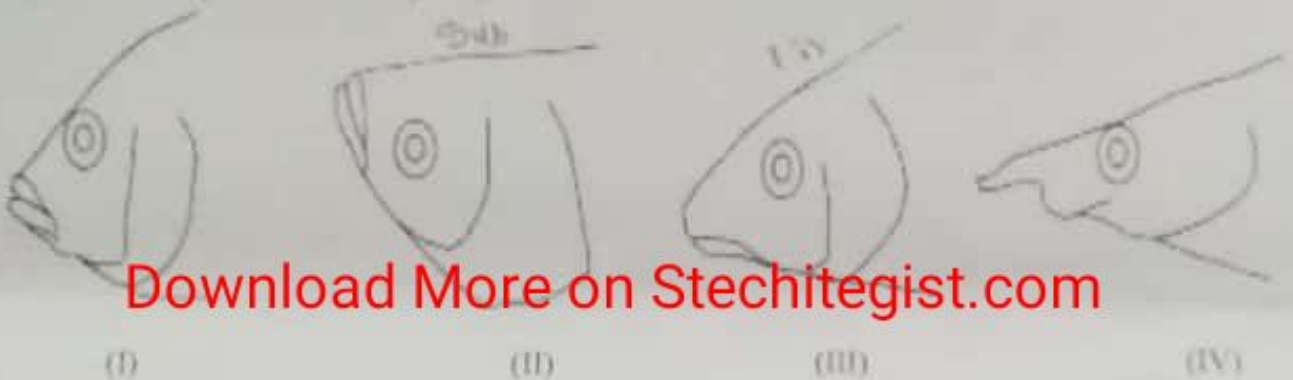




OLUSEGUN AGAGU UNIVERSITY OF SCIENCE AND TECHNOLOGY
(OAUSTECH), OKITIPUPA
DEPARTMENT OF FISHERIES AND AQUACULTURE TECHNOLOGY
FIRST SEMESTER EXAMINATION, 2019/2020 ACADEMIC SESSION
FAT 305: ICHTHYOLOGY (2 UNITS)

INSTRUCTION: ANSWER ANY THREE QUESTIONS
TIME ALLOWED: 2 HOURS

- 1(a) What is morphology?
(b) With a well labelled diagram, discuss the various external feature of a named bony fish.
- 2(a) State and draw the various shape of caudal fins and also state their functions.
(b) Identify the mouth shape represented in the diagrams below:



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- 3(a) Define adaptive radiation.
(b) Discuss in details the adaptations of a named bony fish to:
(i) Locomotion
(ii) Reproduction.
- 4(a) With the aid of diagram only, give a detailed classification of fin fishes.
(b) Explain with the relevant diagrams the following measurements in fish.
(i) Total length
(ii) Girth
(iii) Body depth
(iv) Fork length
(v) Standard length
5. Describe the body characteristics of the following fishes:
(a) *Alextex leuciscus*
(b) *Citharus latus*
(c) *Labeo senegalensis*
(d) *Tilapia galilaea*
(e) *Gymnarchus niloticus*