

Vocational Practical Question Bank

First & Second Year

Fisheries

Course Code : 107



State Institute of Vocational Education

O/o the Commissioner of Intermediate Education

Andhra Pradesh, Hyderabad

&

Board of Intermediate Education,

Andhra Pradesh, Hyderabad

First Year

FISHERIES**First Year (P.C. 107/21)****Subject : Taxonomy, Ecology and Biology of Fishes****Paper - I****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

1. Estimate the D.O of the given water sample.
2. Estimate the total Alkalinity of the given water sample.
3. Estimate the total Hardness of the given water sample.
4. Determine the salinity of the given water sample.
5. Determine the PH value of the given sample.
6. Determine the Nitrates, Phosphates of the given sample.

Section - II**1 x 8 = 8 Marks**

7. Dissect and display the digestive system of the given fish.
Draw the neat labeled diagram.
8. Dissect and display the digestive system of the given prawn.
Draw the neat well labelled diagram.
9. Dissect and display the nervous system of the given fish.
Draw the neat labelled diagram.
10. Dissect and display the nervous system of the given prawn.
Draw the neat well labelled diagram.
11. Dissect and display the Reproductive system of the given fish.
Draw the neat well labelled diagram.
12. Dissect and display the Reproductive system of the given prawn.
Draw the neat labelled diagram.

Section - III**2 x 4 = 8 Marks****Identify the give spotter and write characters with neat diagram.**

13. (a) Scoliodon
(b) Macrobrachium rosenbergii
14. (a) Tarpedo
(b) Penaeus monodon
15. (a) Exocoetus
(b) Macrobrachium malcomsonii
16. (a) Hippocampus
(b) Penaeus indicus
17. (a) Wallago attu
(b) Chanos
18. (a) Sardenella Longiceps
(b) Mugil cephalus

Section - IV**2 x 4 = 8 Marks**

Identify scales and fins of fish appendages of prawn write character with diagram

19. (a) Cycloid scale
(b) Pectoral fin
20. (a) Ctenoid scale
(b) Pelvic fin
21. (a) Placoid scale
(b) Hetercercal tail
- 22.(a) Ganoid scale
(b) Homocercal tail

23. (a) Mandible
(b) Chelate periopod
24. (a) Antenna
(b) Pleopods

Section - V**2 x 4 = 8 Marks**

Identify the plankton, write the Characters with diagram

25. (a) Euglena
(b) Nostoc
26. (a) Artemia
(b) Anabina
27. (a) Moina
(b) Spirulina
28. (a) Artemia
(b) Oscillatoria
29. (a) Brachionus
(b) Spirogyra
30. (a) Paramecium
(b) Daphnia

Section - VI

Viva

5 Marks

Record

5 Marks

FISHERIES**First Year****MODEL QUESTION PAPER****Subject : Taxonomy, Ecology and Biology of Fishes****Paper - I****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

1. Estimate the D.O of the given water sample

Section - II**1 x 8 = 8 Marks**

8. Dissect and display the digestive system of the given prawn. Draw the neat labeled diagram

Section - III**2 x 4 = 8 Marks**

14. Identify the given spotters and write characters with neat labelled diagram

(a) Tarpedo

(b) Penaeus monodon

Section - IV**2 x 4 = 8 Marks**

21. Identify the given scales and fins, of fish write the characters with diagram

(a) Placoid scale

(b) Heterocercal tail

Section - V**2 x 4 = 8 Marks**

Identify the given plankton, write the characters with diagram

27. (a) Moina

(b) Spirulina

Section - VI

Viva Voce

5 Marks

Record

5 Marks

Note : The Serial numbers of the questions mentioned above are the serial numbers in question bank. In practical examiantion only the serial number of the questions will be given, the examiner shall decode it with question bank and give the questions.

FISHERIES**First Year****PRACTICAL SCHEME OF VALUATION KEY****Subject : Taxonomy, Ecology and Biology of Fishes****Paper - I****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

Aim	:	1 Marks
Apparatus / chemicals	:	1 Marks
Principle	:	1 Marks
Procedure	:	4 Marks
Result	:	1 Marks

Section - II**1 x 8 = 8 Marks**

Dissection and display	:	4 Marks
Labeled diagram	:	4 Marks

Section - III, IV & V**2 x 4 = 8 Marks**

Identification	:	1 Marks
Characters	:	2 Marks
Labeled diagram	:	1 Marks

Section - VI

Viva	:	5 Marks
Record	:	5 Marks

FISHERIES**First Year (P.C. 107/22)****Subject : Principle of Fisheries and Aquaculture****Paper - II****Time : 3 Hours****Max. Marks : 50****Section - I****2 x 4 = 8 Marks**

Identify the given carp fish specimen and write the characters with neat diagram.

1. (a) *Catla catla*
(b) Common carp
2. (a) *Labeo rohita*
(b) Silver carp
3. (a) *Cirrhinus mrigal*
(b) Grass carp
4. (a) *Catla catla*
(b) *Labeo bata*
5. (a) *Labeo rohita*
(b) *Labeo calbasu*
6. (a) *Cirrhinus mrigal*
(b) *Labeo fimbriatus*

Section - II**2 x 4 = 8 Marks**

Identify the given crustacean museum specimens and write the characters with neat diagram.

7. (a) *Penaeus monodon*
(b) *Scylla serrata*
8. (a) *Macrobrachium resenbergi*
(b) *Scylla tranquibarica*

9. (a) *Panaeus indicus*
(b) *Thenus orientalis* (sand lobster)
10. (a) *Lithopenaeus vannamei*
(b) *Panulirus ornatus* (Spiny lobster)
11. (a) *Panaeus monodon*
(b) *Litopenaeus vannamei*
12. (a) *Panaeus indicus*
(b) *Scylla serrata*

Section - III**2 x 4 = 8 Marks**

Identify the given fresh water aquatic and write their character with neat diagram.

13. (a) *Pistia*
(b) *Vallisneria*
14. (a) *Eichornia*
(b) *Hydrilla*
15. (a) *Azolla*
(b) *Typha*
16. (a) *Nymphia*
(b) *Marselia*
17. (a) *Nelumbo*
(b) *Potamogeton*
18. (a) *Eichornia*
(b) *Typha*

Section - IV**2 x 4 = 8 Marks**

Identify the given spotter and write characters with neat labelled diagram

19. (a) *Unio*
(b) *Spirulina*

20. (a) Pila
(b) Sargassum
21. (a) Mytilus
(b) Laminaria
22. (a) Pinctada
(b) Gracilaria
23. (a) Sepia
(b) Entomorpha
24. (a) Loligo
(b) Ulva

Section - V**2 x 4 = 8 Marks**

Identification of Aquarium fishes and plant and write the characters with neat diagram

25. (a) Gold fish
(b) Vallisnaria
26. (a) Koi (Cyprinus)
(b) Hydrilla
27. (a) Gourami
(b) Ceretophyllum
28. (a) Molly
(b) Potomegeton
29. (a) Guppy
(b) Chara
30. (a) Zebra fish
(b) Hydrilla

Section - VI

Viva

5 Marks

Record

5 Marks

FISHERIES**First Year****MODEL QUESTION PAPER****Subject : Principle of Fisheries and Aquaculture****Paper - II****Time : 3 hours****Max. Marks : 50****Section - I****2 x 4 = 8 Marks**

Identify the given carp fish specimen and write the character with neat labeled diagram.

- (a) Catla catla
- (b) Common carp

Section - II**2 x 4 = 8 Marks**

Identify the given crustacean museum specimen and write the characters with neat diagram

- (a) Macrobrachium rosenbergii
- (b) Scylla tranquibarica

Section - III**2 x 4 = 8 Marks**

Identify the given fresh water aquatic weed and write their characters with neat labeled diagrams.

- (a) Azolla
- (b) Typa

Section - IV**2 x 4 = 8 Marks**

Identify the given spotter and write the characters with neat labeled diagram.

- (a) Unia
- (b) Spirulina

Section - V**2 x 4 = 8 Marks**

Identification of Aquarium fish and plants and write the characters with neat diagram.

- (a) Gold fish
- (b) Vallisnaria

Section - VI

Viva **5 Marks**

Record **5 Marks**

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FISHERIES**First Year****PRACTICAL SCHEME OF VALUATION****Subject : Principle of Fisheries and Aquaculture****Paper - II****Time : 3 hours****Max. Marks : 50****Section - I,II,III,IV & V****2 x 4 = 8 Marks**

Identification	:	1 Marks
Characters	:	2 Marks
Labeled diagram	:	1 Marks

Section - VI

Viva	:	5 Marks
Record	:	5 Marks

FISHERIES**First Year (P.C. 107/23)****Subject : Seed Production Technology****Paper - III****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

1. Identification of developmental four stages of the fish.
2. Identification of developmental four stages of the shrimp.
3. Identification of developmental four stages of the prawn.
4. Demonstrate the slide preparation of Nauplia of shrimp.
5. Demonstrate the slide preparation of Zoea of the shrimp.
6. Demonstrate the slide preparation of Mysis of shrimp.

Section - II**1 x 8 = 8 Marks****Demonstrate/ Explanation**

7. Demonstrate the method of (Hypophysation) induced breeding in fishes with pituitary extract.
8. Demonstrate the induced breeding in fish with H.C.G
9. Demonstrate the method of extraction and preservation of fish pituitary gland.
10. Demonstrate the induced breeding in fish with ovatide.ovaprim.
11. Explain demonstrate culture method of 'Artemia'
12. Explain demonstrate culture method of 'Diatoms'.

Section - III**2 x 4 = 8 Marks**

Identify the given spotter, with the character with neat labelled diagram

13. (a) Fertilized egg and prawn
(b) Nauplius
14. (a) Zoea
(b) Mysis

15. (a) Post larva
(b) Gravid female prawn
16. (a) Fertilized egg and fish
(b) Hatching
17. (a) Spawn
(b) Fry
18. (a) Finger ling
(b) Mature male/female fish.

Section - IV**2 x 4 = 8 Marks**

19. (a) Hand net
(b) Shooting net
20. (a) Shooting net
(b) Drag net
21. (a) Hand net
(b) Drag net
22. (a) Drag net
(b) Shooting net
23. (a) Hand net
(b) Drag net
24. (a) Shooting net
(b) Drag net

Section - V**1 x 8 = 8 Marks****Submitting of field collection/field report by student**

25. Submitting of field visit report of fish shed farm
26. Submitting of field visit report of fish hatchery
27. Submitting of field visit report of Fresh water prawn seed farm
28. Submitting of field visit report of Shrimp hatchery

29. Submitting of field visit report of shrimp seed farm

30. Submitting of field visit report of Fresh water prawn hatchery.

Section - VI

Viva

5 Marks

Record

5 Marks

FISHERIES**First Year****MODEL QUESTION PAPER****Subject : Seed Production Technology****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I****1 x 8 = 8 Marks**

2. Identification of the developmental four stages of shrimp.

Section - II**1 x 8 = 8 Marks**

9. Demonstrate the method of extraction and preservation of fish pituitary gland

Section - III**2 x 4 = 8 Marks**

14. Identify the given spotter, write the character with neat diagram

(a) Zoea

(b) Mysis

Section - IV**2 x 4 = 8 Marks**

19. Identify the given fishing gears, write the comments with neat labeled diagram

(a) Hand net

(b) Shooting net

Section - V**1 x 8 = 8 Marks**

26. Submitting of field visit report of fish hatchery

Section - VI

Viva

5 Marks

Record

5 Marks

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FISHERIES**First Year****PRACTICAL SCHEME OF VALUATION****Subject : Seed Production Technology****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I****1x8=8 Marks**

Questions : 1,2,3 Developmental stages of Fish, Prawn & Shrimp

Each stage carries : 2 Marks

Characters : 1 Marks

Diagram : 1 Marks

Total 2 Marks

4 Stages x 2 Marks = 8 Marks

Questions : 4,5,6 Slide preparation of shrimp developmental stages

Procedure : 4 Marks

Mounting of slide : 4 Marks

Section - II**1 x 8 = 8 Marks**

Demonstrate method experiment

Each question carries 8 Marks

Aim : 1 Marks

Apparatus/ Principle : 1 Mark

Diagram/ Procedure : 2 Marks

Description : 4 Marks

Section - III & IV**2 x 4 = 8 Marks**

Each question consist a and b parts

Identification : 1 Marks

Characters : 2 Marks

Labeled diagram : 1 Marks

Section - V

1 x 8 = 8 Marks

Materials : 1 Mark

Procedure : 3 Marks

Observation : 2 Marks

Result : 2 Marks

Section - VI

Viva : 5 Marks

Record : 5 Marks