

ZOO510- ECONOMIC ZOOLOGY

MIDTERM MEGA GRAND QUIZ FILE

LION ZOOLOGIST GROUP FOR 2nd SEMESTER

1. NH₃ forms are dependent on_

Ans. both

2. Male lac insects body is typically divided into head _ and abdomen.

Ans. Thorax

3. Commonly culture bait fish species are _

Ans. All

4. Factor dictate classification of culture system include_

Ans. Salinity

5. Stripped bass is an example of commonly culture fish species.

Ans. Food fish

6. Industrial aquaculture are

Ans. Intensive aquaculture

7. _ is not a type of aquaculture system ?

Ans. Freshwater culture

8. In levee pond construction maximum slope of the levee should be

Ans. 4:1

9. An integrated treatment must be _

Ans. All

10. 5-7 acre watershed per surface acres of water is disadvantage of

Ans. Surface

11. _ trophic level is most frequently used for breeding purpose .

Ans. Oligotrophic

12. _ were used as one of the first form of aquaculture.

Ans. Ponds

13. _ is a common method of feeding fish.

Ans. Hand feeding

14. Commonly culture food fish species include _

Ans. Cat fish

15. Rainbow trout feed conversion _

Ans. none

16. First fish hatchery was in Oregon

Ans. 1877

17. Construction of ponds include?

Ans. Levee pond

18. _ is not include in species selection

Ans. Yield control

19. According to American Cancer associated regular fish consumption decrease change of cancer by

Ans. 50%

20. Commonly culture crustacean include

Ans. Cray fish

21. Feed should be stored in a _ area

Ans. Dry and cool

22. Which major effect on the oxygen saturation level

Ans. Salinity

23. Bombyx Mori is an economically important insects being a primary producer of _

Ans. Silk

24. Induction air into water is called

Ans. Aeration

25. Aquaculture is _ of Aquatic organism.

Ans. Farming

26. Farming implies some form of intervals in the rearing process to enhance production such as

Ans. All

27. _ impact the rate of chemical and biological process at the most fundamental level

Ans. pH

28. Economy zoology deal with animal world that is associated with

Ans. Economy

29. _ are used for extraction of nutrients from vitamins

Ans. Seaweed

30. Omega-3 fatty acids decrease occurrence of __

Ans. Heart disease

31. _ is the old name marine or brackish water

Ans. Mariculture

32. Aquaculture encompass farming of Aquatic organism including

Ans. Aquatic plants

33. In levee pond construction depth should be _ in shallow end.

Ans. Five feet

34. In Pond design criteria levee with slopes 1:2 for _

Ans. High clay

35. _ cause disease in fish

Ans. Aeromonas hydrophilic

36. Species selection include

Ans. Species biology

37. Feed conversion of poultry is _

Ans. 2.25:1

38. If ponds must be drained to harvest the use _ per acre of water

Ans. 10 inch

39. Whirligig disease is caused by _

Ans. Myxobolus cereblus

40. Red drum is Ana example of _ commonly culture fish species

Ans. Natural stock enhancement

41. _ is one of the oldest occupation

Ans. Fish

42. In Pond design criteria slope harvest busin should be

Ans. 0.5 to 1.0 %

43. A process in which NH₃ convert to NO₃ is known as

Ans. Nitrification

44. Statification can cause dissolved oxygen and temperature to vary different depht in the system

Ans. Same

45. Inhibiting macro and micro life aquirum trat

Ans. Live rock

46. Low oxygen disadvantage of

Ans. Wells

47. Aghani and Baischi strains are the main crops contributing about _ of lac- production

Ans. 90%

48. _ can be culture in ponds.

Ans. All

49. First book on fish farming

Ans. 475 B.C

50. NH₃ forms are dependent on

Ans. pH of water

51. _ trophic level is most frequently used for breeding purpose

Ans. Oligotrophic

52. Blood poisoning due to bacteria is called

Ans. Septecemia

53. A baloney are commonly culture

Ans. Mukluks

54. Stripped bass is an example of commonly culture fish species

Ans. Food fish

55. Induction of pure oxygen is

Ans. Oxygenation

56. Beef cattle feed conversion ratio

Ans. 8:1

57. How many moles of oxygen is required to convert one mole of nitrogen into nitrate

Ans. Three

58. Composit is _ fertilizer

Ans. Organic

59. NH₃ exit in water in _ form

Ans. Two

60. In aquaculture these _ are primary source of nitrogen waste.

Ans. Four

61. Minimal control and Lower density are

Ans extensive aquaculture

62. In Pond design criteria once formed levee are spring with Grass to _ erosion

Ans reduce

63. To produce one kilograms of lac resin around _ insect lose their life

Ans. 300000

64. Stocking density is _ fish per acre

Ans. 800-1000

65. Dissolved Oxygen and water temperature usually vary over a _ hour cycle.

Ans. 24

66. Aquaculture prevalent in third world countries are

Ans. Extensive aquaculture

67. Three species culture include

Ans. Rohu 50%

68. _ is a disease of silkworms

Ans. Pebrine

69. _ filter are used with various mesh screen

Ans. Screen filter

70. Spring viremia of carp is a _ infection

Ans. Viral

71. Raceway are made of

Ans. Concrete

72. In outgoing biofilter water not less than _ ppm

Ans. Two

73. _ is the considered as disadvantage of surface

Ans. Contaminates

74. Water source for raceway aquaculture operation is

Ans. Deep wells

75. NH₃ is convert _ process

Ans. Oxidation

76. In fish tank oxygen should not be less than _ ppm

Ans. 5

77. _ describe the ball of high high density production system where risk and economic must be careful balance to archive profit ability

Ans. Mesotrophic

78. _ is a common method of feeding fish

Ans. Hand feeding

79. In Pond design criteria hight are determined by pond

Ans. Tidal amplitude

80. Disadvantage of river lakes and streams is

Ans excessive nutrients

81. Mechanical filtration include

Ans. Screen filter

82. Highly soluble in water

Ans. NH₃

83. _ is not include in species selection

Ans. Yield control

84. Nitrogen is Ana essential nutrients for all living organism and is found in

Ans. All

85. Typically _ pipe is sufficient for the pond less than ten acres

Ans. Six inch

86. Semiclosed system water reuse rates are

Ans. 50%

87. James I introduced sericulture to

Ans. England and America

88. _ are used for extraction of medicine

Ans. all

89. A independent _ for each pond if filled by tube well

Ans. Electrical source

90. _ parameters consider to be design aquaculture

Ans. Water

91. Factor those dictate classification of culture system includ

Ans. Salinity

92. Viremia of carp is a _ infection

Ans. Viral

93. Levee pond width should be

Ans. Twenty feet

94. _ is considere to be disadvantage of surface

Ans. Containminates

95. Carp were formed in China as early as

Ans. 2500 B.C.

96. _ need for egg production and hatcgbillty

Ans. Mn

97. In levee pond construction maximum slope of levee should be

Ans. 4:1

98. Commonly culture ornamental fish species are

Ans. Backyardponds

99. Typically_ pipe is sufficient for the pond less than ten acres

Ans. Six inch

100. Raceway are made of

Ans. Concrete

101. Food pelleting is the combination of _ moisture and pressure forcing feed through a dye

Ans. Heat

102. Ratio is the total amount of feed an animal has in a _ hr period

Ans. 24

103. Common animal by product are

Ans. Stomach issue

104. In feedstuff of livestock _ is the most common and very difficult to make well

Ans Silage

105. In feed stuff of livestock butyric acid is formed if an insufficient amount of _ is present

Ans. Lactic acid

106. Polygastric digestion occurs in

Ans. Goat

107. A female calve approximately weight _ at birth

Ans. 40 kg

108. Corn Stover is good for wintery cattle but somewhat _ in energy

Ans. High

109. _ is the most important component for an animal to live

Ans. Water

110. Livestock raising is the still _ despite numerous advancement in science

Ans. Traditional

111. **Aquaculture** is farming of aquatic organisms in natural or controlled marine or Fresh water environment.
112. - RAS stands for.**Recirculating aquaculture system**
113. Induction air into water is called ..**Aeration**
114. Transformation from soft, dusty mixture to compact form is.**Pelleting**
115. fungi are.**multicellular**
116. Most common feeding method for fishes is.**Hand feeding**
117. Bombyx mori produces..**Silk**
118. bombyx mori produces ...**90%**..percent of the worlds raw silk
119. In..**india**... Lac insect is known to have two distinct strains: kusumi and rangeeni.
120. The life cycle of lac insect takes about....**6**.....Months
121. Mature male chicken is called. **Roaster**
122. The lac which grows on non-kusum plants is called as..**Ranjeem lac**
123. India alone accounts for about ...**70%** percent of global lac production.
124. QMP stands for..Queen **mandibular pheromone**.
125.**poultry**is a farming of chicken, turkey, duck and goose.
126. Raceways are considered..**Flow through systems**
- 127..... is a silkworm disease **Pebrine**
128. Aghani and baisakhi strain are the main crops contributing about.....**90%**Percent of lac production.
129. Lac cultivation is introduced into.... **Thailand** From India.
130. a group of chicken is called.....**flock**
131. Trained staff called '**catchers**' catch the birds and put them in special containers called modules.
132. life of worker bee is **28 to 35 days**.
133. Carnivorous fish consume foods with ~**50%** of protein .
134. The place where a beekeeper keeps his bees is called **an apiary or a bee yard**.

135. Typically **6 inch** pipe is sufficient for ponds less than 10 acres .
136. Whirling disease Caused by **protozoan . Myxobolus cerebralis**
- 137.. Mulberry culture spread in India by 140BC from **China**
138. The common parasites of lac insect are known as "**Chalcid.**"
139. A virus is **a microscopic organism**
140. American Cancer Association Regular fish consumption decreases chances of colon **cancer 50% .**
141. Unsaturated FA = **double bonds .**
142. James I introduced sericulture **to England** He also took sericulture to **America.**
143. Female lac insect is **larger** than male.
144. **Septicemia** (blood poisoning due to bacteria.
145. a parasite which lives inside the host is **an endo parasite.**
146. Spring Viremia of Carp **A viral infection** caused by Rhabdovirus carpio.
147. To produce 1 kg of lac resin, around **300,000** insects lose their life.
148. **Aeromonas hydrophila** caused by fish disease.
149. Feeds should be stored in a **dry, cool and well-ventilated** area .
150. Male Lac-insect: The body is typically divided into head, **thorax** and abdomen.
150. . **Ponds** were used as one of the first forms of aquaculture.
- . 151. Male Lac-insect The body is typically divided into head, **thorax** and abdomen.
152. Feeds should be stored in a **dry, cool** and well-ventilated area.
153. **Hand feeding** Is a common methods of feeding fish.
154. Bombyx mori Produces over **90%** of the world's raw silk .
155. Blood poisoning due to bacteria is called **Septicemia.**
156. **Aeromonas hydrophila** Causes disease in fish.
157. **Pebrine** Causes disease in silkworm.
158. To produce 1 kg of lac resin, around **300,000** insects lose their life

159. . Spring Viremia of Carp is a **viral infection**.
160. Bombyx mori is an economically important insects being a primary producer of **silk**.
161. Whirling diseased by **Myxobolus cerebralis**
162. Aghani and baisakhi strain are the main corps contributing about **90%** of lac production.
163. James I introduced sericulture to **England America**
164. Spring viremia of carp is a _____infection. (**Viral**)
165. Bombyx mori produces over _____of the world's raw silk. (**90%**)
166. Furunculosis is caused by _____. (**Aeromonas salmonicida**)
167. James I introduced sericulture to _____ (**England & America**)
168. Do not store fish feed more than _____months post manufacture. (**3**)
169. For fish, no known treatment is available for _____infection . (**Viral**)
170. Aeromonas salmonicida was first isolated from _____. (**Farmed trout**)
171. Flavobacterium is _____. (**mouth fungus**)
172. Fish oil is the best source of _____. (**EFAs**)
173. Pseudomonas septicemia is a _____. (**Bacteria**)
174. .Mulberry tree grows in _____habitat (**Tropical and temperate**)
175. Which do not cause fish disease? (**Non- stressed environment**)
176. _____causes disease in fish. (**Aeromonas hydrophila**)
177. Which is not type of fish feed ? (**Sinking**)
178. Sericulture originated from _____. (**China**)
179. Blood poisoning due to bacteria is called _____. (**Septicemia**)
180. .Skin flukes disease is caused by _____. (**Trematodes**)
181. White spot disease is caused by _____. (**Parasite**)
182. For the prevention of fish diseases _____is required in the water. (**low nitrate levels**)
183. .Fish feed is stored in large tanks in _____. (**Auger feeding**)

184. Demand feeders are used in which aquaculture systems.? (raceways aquaculture system)
185. Abnormal swimming patterns in fish is caused by the infection in? (Swim bladder)
186. Bombyx mori is an economically important insect, being a primary producer of _____.? (Silk)
187. Sericulture is rearing of _____. (Silkworm)
188. .After mating, the bombyx mori female lays_____eggs. (300-400)
189. Healthy fish have_____which can prevent infection by fungal spores. (Mucus)
190. Feeds should be stored in a_____area. (Dry and cool)
191. .In fish feed, which component is required in small amount? (Vitamins)
192. Microbial damage of fish feed could be_____. (Fungi and bacterial growth)
193. .Which of these does not have double bond? (Saturated fatty acids)
194. In fish feed, expanded pellet able to absorb more_____. (Lipid)
195. Proper fish feed storage is necessary because food ingredients are susceptible to_____.
(Degradation)
196. Which is not a major reason for fish to get the disease? (Isolation of fish)
197. A virus has_____. (genetic material & protein)
198. Hand feeding of fish feed is example of_____. (Small operations)
199. .Efficiency of carbohydrate in fish is _____. (39%)
200. Fish living in_____require additional supplements of minerals in diet. (soft water)
201. Fish require_____for enzymes & cofactors. (minerals)
201. .Mulberry culture spread in India by_____from China. (140BC)
202. First fish hatchery was in Oregon?

Ans: 1877

203. In levee ponds construction maximum slope of levee should be.....

Ans: 4:1

204. which of the following is not a type of aquaculture system?

Ans: Fresh water culture

205. Industrialized aquaculture are

Ans : intensive aquaculture

206. Factor those dedicate classification of culture system include.....

Ans : All

207. Which factor major effect on the oxygen saturation level

ANS : salinity

208. Impacts the rates of chemical and biological process at the most fundamental level

ANS : Temperature

209. In levee ponds depth should be In shallow end

ANS : 5 feet

210. Species selection include

ANS : all

211. Stratification can cause dissolved oxygen and temperature to vary at different depth in the ,system ,

ANS : same

212. Inhabiting macro and micro life aquarium trade?

Ans : live rock

213. Which of the following trophic level is most frequently used for breeding purposes.

ANS : oligotrophic

214. Abalone are commonly cultured

ANS : Mollusks

215. High density aquaculture are

ANS : Intensive aquaculture

216. Who wrote book on fish farming

ANS : None

217. compost isfertilizer.

ANS : organic

218. NH_3 exist in water in forms

ANS : 2

219. In ponds criteria once formed leaves are sprigged with grass to erosion

ANS : Reduce

220. 3 species culture include

ANS : all

221. Which of the following foilters are used with various mesh screens

ANS : screen filters

222. Spring viremia of carp is a..... Infection

ANS : viral

223. Raceways are made of.....]

ANS : concrete

224. Which of the following is considered as disadvantage of surface

ANS : contaminants

225. Which of the following describe the bulk of high density production system where risk and economics must be carefully balanced to achieve probability

ANS : Mesotrophic

226. Black sea bass is an example of commonly cultured fish specie

ANS : natural stock enhancement

227. Rainbow trout is an example of..... commonly cultured fish specie

ANS ; food

228. Semi closed system water reuse rates are

ANS : 50%

229. In fish tank O_2 should not be less than.....PPM.

ANS : 5

230 : which of the following parameters is considered to design aquaculture

ANS : ALL

231. In ponds construction number of gates depends on of harvest required

ANS ; speed

232. Levee pond width should be

ANS : 20 feet

233.....needed for egg production & hatchability

ANS : Mn

234. Ratiin is the total amount of feed an animal has in a hr period.

ANS : 24

235. common animal by-products are

ANS : ALL

236..... Is the most necessary component for an animal to live.

ANS: water

237 Poultry required theessential amino acids

Ans : 14

238 In ponds inflow gates are used for

Ans: Control of water flow

239 Nest of eggs for hen is called

Ans: clutch

240 The Lac insects repeat its life cycle.....in a year

Ans: four year

241 Poultry required the.....essential amino acid

Ans:

242 Animal protein sources are more variable in their amino acids then.....protein

Ans: plant

243 In feeding of boilers starter ration contains.....%protein.

Ans: 22-24

246) Levee pond with should be.....

Ans: 20ft

247) Larvae of lac insects hasthoracic segments

Ans:3

248) Which in not calcium source of poultry diets.....?

Ans: dicalcium phosphate

249) Trickling filter to remove ...from aquaculture water

Ans: N 2

250) Laying of an egg by a bird is called

Ans: oviposition

251) To get maximum economic return from laying hen flock a feed efficiency of...kg of feed per dozen eggs produced is need

Ans: 3.2-4.2

252) Feathers of a bird are called

Ans: plumage

253) The minimum alkalinity required for aquaculture is

Ans:70

254) Which one of these is a cold water fish?

Ans: catfish

255) Which is biological method to kill the insect enemies?

Ans: attacking of hyper-parasitic on parasitic insects of lac

256) Dissolved oxygen is measured in

Ans:mg/L

257) Who Is called the fish farmer

Ans: wen fang

258) Which of the following describes the bulk of high density production systems where economics must be carefully

Ans: mesotrophic

259)is the main problem in maintaining levee slopes

Ans:Erosion

260) Male turkeys are called

Ans:cockerels

261)is first limiting amino acid for egg production in hens

Ans: methionine

262) About ...of feed in fish is excreted as organic waste

Ans: 36%

263) The lac insects have an...mode of reproduction?

Ans: ovoviviparous

264) In poultry emaciation is caused by the deficiency of

Ans: vitamin A

265) Deficiency of essential acids in fish would result in

Ans: limit protein synthesis

266) Aquaculture encompasses farming of aquatic organisms including

Ans: all of above

267) Bees that keep the hive cool

Ans: fanning bees

268) Which is not calcium source for poultry diets

Ans: oyster shell

269) ...is the first AA for egg production in laying

Hens

ANS: Methionine

270) Introduction of lac insects to the new lac host plant called

Ans: inoculation

271) In silkworm silkgland is the largest at

Ans: 5th instar

272) Inflammation of tongue and mouth cavity caused by

Ans: Newcastle disease

273) Source ofin poultry diets are ground oyster shell limestone bone meal and di calcium phosphate

Ans:

274) Total amount global production of pure lac is estimated to be...tons

Ans: 30.000

275) During the respiration in pond how much kg of O₂ is consumed for 1 kg

Ans:0.2

276) Honeybees that collect nectar to make hornet

Ans:worker

277) Young chick requires more niacin than.....due to less bacterial activity

Ans:adult

278) Sami closed system water reuse rates are

Ans:50%

279) A lacinsects female is capable of production about ...eggs

Ans:one thousands

280) Larva is lac insects iscolored

Ans:red

281) Female cells of lac insects are

Ans:oval

282) In the series of wooden boxes most of the water bes present in ...box

ans:bottom

283) Bombox mori is an economically important insect being a primary producer of

Ans:silk

284) Commonly cultured crustaceans include

Ans:all of the above

285) In Pond design criteria width of crown should bw

Ans:5m driving 3m walking

286) Baby turkeys are called

Ans:poults

287) Adult...scales produce a high domed test

Ans:only female

288) What do we look for when for when we candle eggs

Ans:air cell & yolk

289) In lac insects both the male and female larvae become sexually mature in about...weeks

Ans:eight

290) Chicken bred for meat production grow....and achieve adult stage much early

Ans:rapidly

291) Which of the following a commonly cultured crustacean

Ans: crabs

292) In poultry feeding some medicines are administered is the

Ans: water

293) Larvae of lac insects is...colours

Ans:red

294) Which bee feed the worker larvae?

Ans: nurse bee

295) Is/are highly soluble in water

Ans:all

296) In lac insect...undergo a complete met. Or transf. into another from

Ans:only male

297) Ration for poultry calculated on the basis of

Ans:

298) To many bees stings at one time cause

Ans:allergic reaction

299) Fish contains ...crude protein

Ans:60-93%

300) In ponds inflow gates are used for

Ans:control of water flow

301) In ponds must be drained to harvest then use one ...per acre of water

Ans:10inch

302) Laying hen's 2kg .wt requireskcal energy for their maintenance.

Ans:220

303) Which is not calcium source for poultry diets

Ans: feather meal

304) Carp work farmed in china as early ...B.C

Ans:2500

305) Fish contains...crude protein

Ans:20-37%

306) The largest aquaculture producing country in the world

Ans: china

307) Stomach upset as the result of bee sting is a sign of

Ans:toxic reaction

308) The box having combs for honeybee is called

Ans:bee yard

309. Larva of lac insects has....thoracic segments

Ans: 3

**310.The first scientific account of the lac insects was given by j.kerr on
Ans: 1782**

**311.The enzyme associated with
Ans: cocoonase**

312.Which is cultural to kill the lac insects enemies

Ans: attacking of hyper parasitic on parasitic insects of lac

**313.Vitamin required for bone formation egg reproduction prevention of
rickets in poultry**

Ans: vitamin D

**314.If water temp.deviate upwards standards environments temp.the nutrients
require for fish in water will
Ans :increases**

**315.The walls of the honeybees hive will be covered with a thin coating of
Ans:wax**

**316.Pseudomonas septicemia is a
Ans:bacteria**

**317.Lac out from the host plant is called as
Ans:stick lac**

**318.Chicken grown for meat
Ans:broiler or flyer**

**319.Trickling filter to remove...from aq.water
Ans:N2**

320....decreases ph of the water system

Ans:N2

321.In fish catar. Is caused the deficiency of

Ans:lipids

322.In poultry feeding some medicines are administred in the

Ans:water

323.A group of chicks baby is called

Ans:clutch/ peep

324.An independent ...for each pond filled bt

Ans: electrial source

325.Raceway are made of

Ans:concrete

326.To shed hen feathers pe....

Ans:

327.2 fish meals /week decreases mortality from

Ans:50%

328.Most workers bes live abou ...days

Ans:28-35

329.Deficiency ofvitamin..delay..

Ans: k

330.Beekeeping is thought to have practiced as early as ..bc

Ans:13.000

331.How many sets of waxglands are presents in worker

Ans:three

332.Inorganic ... is suoolied by.....

Ans:phosphate

333.Which is most abundabt components of lac

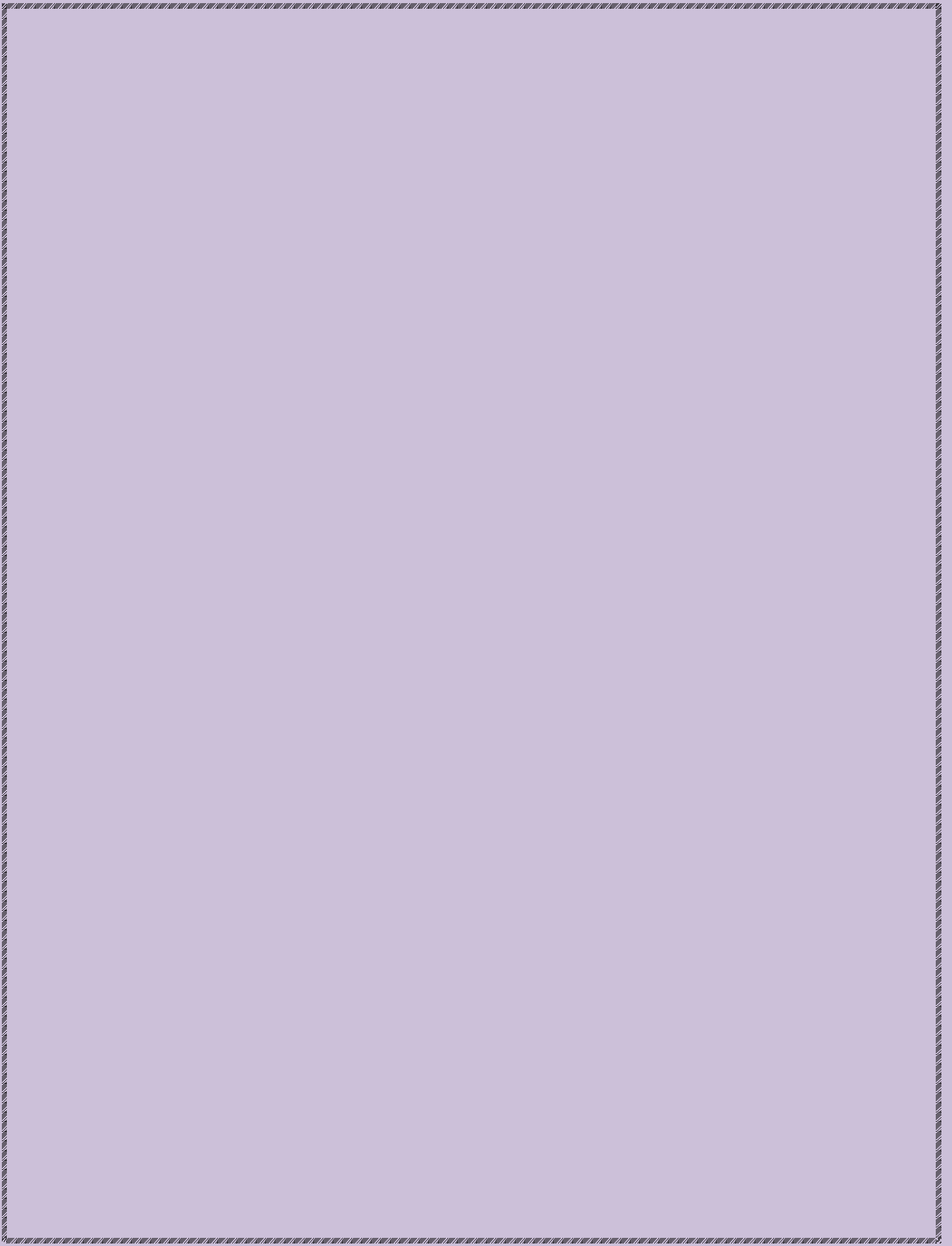
Ans:resin

334.Who wrote first book on fish farming

Ans:none

335.Which of the following is used as bait fish?

Ans:goldfish



LION GROUP OF ZOOLOGIST