Dept. fish diseases & Managment Faculty of Vetrinary Medicine Kafr-Elshiekh university Model: A



4th year students 2nd term, June, 8, 2022 Time allowed: 2 hs. Academic No:....

FISH DISEASES B MANAGEMENT

Mark either correct or false:

False	True	10- Gill damage occur in Dactylogyrosis due to protease enzyme production
False	True	9- Pox disease decrease the marketable value of the fish due to its contagious natur
False	True	8- Asperigillosis is characterized by hemorrhagic ulcer
False	True	7- Branchiomycess sanguinis live inside the parenchymal tissue of gills
False	True	6-The prevention is the best method for control of crustacean diseases due to it is very difficult in treatment.
False	True	5-Argulus has pre-oral stylet that not only cause local mechanical injuiries but also release digestive enzymes giving rise to systemic
False	True	4-The pathognomonic lesion of Sanguinicola clarias is linear hemorrhage in gills
in So		in pm lesions of EPDC.
False	True	3- Oreochromis niloticus, showed white nodules on the gills, kidney, liver & spleen
False	True	2-The peduncle disease progresses inwardly until the base of all fins
False	True	1-Highly virulent strains of Fl. columnaris, resulted in extensive tissue damage, in gills particularly.

{2.5 Marks}

1 TIPLE CHOICE QUESTIONS:

7
Transmission of
columnaris
disease occur
at a water
1- Transmission of columnaris disease occur at a water temperature above:

a) 10 °C

b) 15 °C

c) 20 °C

- d) 8 °C
- toward the gill arch: 2- When the gills has been attacked, the necrotic process spread from the tips of gill lamellae
- a) peduncle disease
- b) columnaris disease
- c) Streptococcosis
- d) EPDC
- fin, where invasion process may 3- Necrosis progresses inwardly on the fins until reached the base of fins, except at the caudal be continued, is characteristic of:
- a) Fl. Columnaris
- c) Ps. flourescens

b) Fl. Bronchiophylum

- d) Fl. Psychrophilum
- 4- Presence of white to gray sandy like grains or spots on the gill capillaries is a sign of:
- a) Columnaris disease

b) Bacterial gill disease.

c) Peduncle disease. d) Enteric septicemia of cat fish.
a) 8 - 10 °C b) 10 - 15 °C c) 19 - 25 °C d) 12 - 18 °C
6- A cat fish has a small cutaneous lesions in the postero-lateral region, developed later into abscesses in the muscle & tail filled with gases, a sign of: a) Ed. Ictaluri b) Ed. Tarda c) Fl. Bronchiophilum d) Fl. Psychrophilum
7- Oreochromis niloticus, lost its pigmentation, abdominal dropes & consciones of
characteristic sign of:
a) EPDC b) Enteric septicemia of cat fish
c) Bacterial gill disease d) Bacterial kidney disease
8- An open ulcer on the head, between the eyes of a fish, which is:
a) O reochromis niloticus b) Mugil cephalus
c) Cat fish d) Common carp
9- Kidney of a fish with creamy white granulomatous abscesses which may extend deep in the parenchyma, a sign of:
a) Bacterial gill disease b) Bacterial kidney disease.
c) Enteric septicemia of cat fish d) EPDC
10- Cystic cavitation of body musculature, containing opaque serous fluids, a pm lesion of
a) Bacterial kidney disease b) Enteric septicemia of cat fish
c) Peduncle disease d) Streptococcosis
11- The spleen of fish, enlarged with rounded edges & cherry coloration, a P. M. lesion of:a) Bacterial kidney diseaseb) EPDC
c) Streptococcosis d) Peduncle disease
12- In marine fish an enteritis, pale liver & blood in peritoneal cavity are common P.M of: a) Columnaris disease b) Dedicate disease
3- The Argulus africans parasitesto salinity.
) sensitive b) resist up to 1.5% c) resist up to 3.5% d) very sensitive
4-The infective stage of Lernea cyprinacea is:
5 th copipodial stage b) 1 st copipodial stage c) 2 nd copipodial stage d) 3 th copipodial stage
5- The parasitic print of Ergasilus mugilus is:

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ndida albicans b) Scolecobasidium humicola c) Asperigillus flavus d) Saprolegnia parasitica The aetiological agent of winter pest disease can resist salinity up to	a) Candida albicans b) Scolecobasidium l 26- The actiological agent of winter pest
asilosis c) Sanguinicoliasis d) heart worm disease	25- Fungi producing hard in
and obstruct the passage of begive marbling appearance.	blocking it causing thrombosis, necrosis, congestion and present in
the fish is netted out for examination and heavy infestation cause mass mortalities especially in young fish due to osmo-regulatory failure and weight loss. a) Lernea cyprinacea b) Argulus africans c) Ergasilus mugilus d) heart worm parasites	the fish is netted out for examination and heavy infestation of in young fish due to osmo-regulatory failure and weight loss. a) Lernea cyprinacea b) Argulus africans c) Ergasil
b) Quarantine pond c) nursing pond d) catch pond	a) rearing pond b) Quar
the pond has fish from hatching for a period 2-3 weeks until become fry 2-4 cm is	er ine pond has fish from ha
vantage of b) disadvantage of c) disadvantage of monoculture monoculture polyculture polyculture polyculture	a) advantage of b) disadvant monoculture monoculture
b) Intensive c) Super-intensive d) Semi-intensive	b) Into
t depend on natural feed & oxygen level a	factors in fish culture.
b) Lernea cyprinacea c) Sanguinicola clarias d) Argulus africans	20- Artisicis & b) L
r from nephritis leading to ascities	(pop eye) due to infection with
b) Ergasilus mugilus c) Sanguinicola clarias d) Argulus africans	a) Lernea cyprinacea b) E.
in	inin
b) Ergasilus mugilus c) Sanguinicola clarias d) Argulus africans	18- The market b) 2
g sticks or egg-trap sticks pres	a) Lornog curving
b) Ergasilus mugilus c) Argulus africans d) Sanguinicola clarias	a) Lernea cyprinacea b)
copipodial stage have phenomena of phototaxis is present in:	copipodial stage ha
b) linear hemorrage c) Marbling appearance d) diffuse hemorrage	16. 5th contrage b

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d) KMnO4	a) Quinine sulphate b) CuSO4 c) Aricyl disodium salt
	42- Cauliflower disease of eels can be treated using:
d) Mugil	a) Tilapia b) Common carp c) Cat fish
	41- Susceptible fish for pox disease:
d) 6 months	a) 2 months b) 15 days c) 4 months
	40-Incubation period of carp pox virus is:
d) 30-35C°	a) 15-20 °C b) 6-8°C c) 20-30°C
	39- IHNV prefer water temp. at:
d) 20°C	a) 60 °C b) 80 °C c) 100 °C
	38-Infectious haematopoietic necrosis virus inactivated at:
d) Saprolegniosis	a) Ichthiophoniasis b) Branchiomycosis c) Candidiomycosis
eases except	37- Respiratory manifestation could be observed in all next mycotic diseases except
d) Ingestion	a) inhalation b) germination c) Direct endospore
	36- Quiscent cyst can enter abraded fish body through
d) necrosis	a) infarction b) stenosis c) thrombosis
of blood vessles.	35- Red colored gills in branchiomycosis may be due toof bloomycosis
d) button-like.	ster-like. b) hemorrhagic. c) irregular.
	34- Candidiomycosis pathognimonic lesion is ulcer.
	hyphae.
d) evenly distributed.	a) clusters. b) one row. c) outside the wall of
inside the sporangia.	phanomycess fungi, the spores are arranged in form of
d) Phomaherbarum sp.	a) Ichthiophonus hoferi b) Saprolegnia sp. c) Candida albicans
	32- Kation is the main source of infection if contaminated with spore of
e d) Osmotic failure	a) Cholangioma b) Urine retention c) Osmoregulatory failure
iosis disease.	51is one of the main death causes of fish in saprolegniosis disease
d) Phomaherbarum sp.	nchus.
	30- Saprolegniosis can be caused by all next fungi except
d) human-kidney	a) apple b) bean c) pear
	29- Secondary zoospore of saprolegnia isin shape.
d) Scolecobasidiosis	a) Phomamycosis b) Branchiomycosis c) Ichthiophoniasis
bserved in	28- Upnormal swimming standing position with head upward can be observed in
d) Scolecobasidium humicol	a)Branchiomycess sanguinis b) Saprolegnia parasitica c)Candida albicans
	27 fungi is tissue specific.
d) 1-6 mg/L	a) 1-2 mg/L b) 2-8 mg/L c) 8-10 mg/L

{ 12.5 Marks}			
d)Hocks	c) Embryos	b) Vitelline glands	a) Adhesive glands
resence of:	oscope due to the pr	paque under the micro	50- Dactylogyrus appear opaque under the microscope due to the presence of:
d) Cat fish	c) Mugil	b) Tilapia c)	a) Carp
		zed on the gills of:	49- Quadricanthus parasitized on the gills of:
d) Dereased O_2	c) High salts	b) Good water quality	a) Poor water quality
		actylosis is a sign of:	48- The presence of Gyrodactylosis is a sign of:
d) Ascitis	c) Anemia	b) Opened mouth	a) Plugged operculi
	ase is:	gn of yellow grub disea	47- The pathognomonic sign of yellow grub disease is:
d) Aquatic snail	c) Fish	b) Aquatic bird c)	a) Copepoda
		stomum tilapiae is:	46- The 2" I.M.H of Clinostomum tilapiae is:
d)Copepoda	c) Leeches	e b) Metastasis	a) Feeding on infected tissue
result from:	er internal organs	t found in gut and oth	45- Lymphocystis cells that found in gut and other internal organs result from:
d) Infected serum	c) Infected melt	b) Infected blood	a) Infected epithelial cells
		irus is the	44- The source of L.V.D virus is the
d) Fall	c) Winter	b) Summer	a) Spring b)

43-The papilloma in cauliflower disease of eels increased in the growth in:

III- WRITE FULL ACOUNT ON:

- 1-The etiology, clinical signs and post-mortem lesions of streptococcosis.
- 2- Life cycle and pathogenesis of lerneosis.
- 3- Primary causes of disease in saprolegniosis affection in fish.
- 4- Differentiate bet. Diplostomum spathecium and Diplostomum cutica.

{10 Marks}

With best wishes...

Ned & B Nahf?

Prof. Dr. Nadia Bassiony Manfouz

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