Subject: Aquatic Health Management

- 1. Which virus is responsible for causing Infectious Pancreatic Necrosis (IPN) in fish?
 - a) Infectious Salmon Anemia Virus (ISAV)
 - b) Infectious Hematopoietic Necrosis Virus (IHNV)
 - c) Infectious Bursal Disease Virus (IBDV)
 - d) Viral Hemorrhagic Septicemia Virus (VHSV)
- 2. What is the primary route of transmission for Viral Hemorrhagic Septicemia Virus (VHSV) in ोज्ञान विश्वाल fish?
 - a) Ingestion of contaminated food
 - b) Direct contact with infected fish
 - c) Inhalation of aerosolized virus particles
 - d) Transmission through mosquito bites
- 3. Which virus primarily affects the nervous system of fish, leading to symptoms such as erratic swimming behavior and spiral swimming?
 - a) Infectious Pancreatic Necrosis Virus (IPNV)
 - b) Spring Viremia of Carp Virus (SVCV)
 - c) Lympho cystis Disease Virus (LCDV)
 - d) Snakehead Rhabdo virus (SHRV)
- What is the causative agent of Koi Herpes virus Disease (KHVD)?
 - a) Cyprinid herpes virus 1 (CyHV-1)
 - b) Cyprinid herpes virus 2 (CyHV-2)
 - c) Infectious Pancreatic Necrosis Virus (IPNV)
 - d) Infectious Hematopoietic Necrosis Virus (IHNV)
- 5. Which virus causes the disease known as Spring Viremia of Carp (SVC)?
 - a) Lympho cystis Disease Virus (LCDV)
 - b) Infectious Hematopoietic Necrosis Virus (IHNV)
 - c) Spring Viremia of Carp Virus (SVCV)
 - d) Infectious Pancreatic Necrosis Virus (IPNV)
- 6. Which virus is responsible for causing Lympho cystis Disease in fish?
 - a) Lympho cystis Disease Virus (LCDV)
 - b) Infectious Pancreatic Necrosis Virus (IPNV)
 - c) Infectious Salmon Anemia Virus (ISAV)
 - d) Viral Hemorrhagic Septicemia Virus (VHSV)
- 7. What is the primary target organ of Infectious Salmon Anemia Virus (ISAV) in fish?
 - a) Liver
 - b) Kidney
 - c) Spleen

- d) Gills
- 8. Which virus causes the disease commonly known as Red Sea Bream Iridoviral Disease (RSIVD)?
 - a) Red Sea Bream Irido virus (RSIV)
 - b) Infectious Hematopoietic Necrosis Virus (IHNV)
 - c) Koi Herpes virus (KHV)
 - d) Snakehead Rhabdo virus (SHRV)
- 9. What is the primary mode of transmission for Red Sea Bream Irido virus (RSIV)?
 - a) Horizontal transmission via water
 - b) Vertical transmission from parent to offspring
 - c) Transmission through contaminated feed
 - d) Vector-borne transmission by mosquitoes
- 10. Which virus is responsible for causing Viral Nervous Necrosis (VNN) in fish?
 - a) Betanoda virus
 - b) Betaherpes virus
 - c) Betacorona virus
 - d) Betaretro virus
- 11. What is the primary target tissue of Betanoda virus in fish?
 - a) Brain and retina
 - b) Liver
 - c) Spleen
 - d) Intestine
- 12. Which virus causes the disease known as Viral Encephalopathy and Retinopathy (VER)?
 - a) Betanoda virus
 - b) Cyprinid herpes virus 1 (CyHV-1)
 - c) Spring Viremia of Carp Virus (SVCV)
 - d) Infectious Hematopoietic Necrosis Virus (IHNV)
- 13. What is the primary mode of transmission for Betanoda virus?
 - a) Direct contact with infected fish
 - b) Ingestion of contaminated food
 - c) Vertical transmission from parent to offspring
 - d) Vector-borne transmission by ticks
- 14. Which virus causes the disease known as Epizootic Hematopoietic Necrosis (EHN) in fish?
 - a) Rana virus
 - b) Irido virus

- c) Novirhabdo virus
- d) Birna virus
- 15. What is the primary target organ of Epizootic Hematopoietic Necrosis Virus (EHNV) in fish?
 - a) Liver
 - b) Kidney
 - c) Spleen
 - d) Muscle tissue
- 16. Which virus causes the disease known as HIRRV (Hirame Rhabdo virus)?
 - a) Hirame Rhabdo virus
 - b) Salmonid Alpha virus
 - c) Betanoda virus
 - d) Tilapia Tilapine virus
- 17. What is the primary target tissue of Hirame Rhabdo virus in fish?
 - a) Brain
 - b) Kidney
 - c) Liver
 - d) Gills
- 18. Which virus is responsible for causing the disease known as Red-Sore Disease in fish?
 - a) Red-Sore Virus (RSV)
 - b) Infectious Salmon Anemia Virus (ISAV)
 - c) Infectious Hematopoietic Necrosis Virus (IHNV)
 - d) Snakehead Rhabdo virus (SHRV)
- 19. What is the primary mode of transmission for Red-Sore Virus (RSV)?
 - a) Horizontal transmission via water
 - b) Vertical transmission from parent to offspring
 - c) Transmission through contaminated feed
 - d) Vector-borne transmission by mosquitoes
- 20. Which virus is associated with the disease known as Infectious Salmon Anemia (ISA) in fish?
 - a) Salmonid Alpha virus
 - b) Infectious Pancreatic Necrosis Virus (IPNV)
 - c) Infectious Salmon Anemia Virus (ISAV)
 - d) Betanoda virus
- 21. Majority of DNA virus replicates in

- a) Cytoplasm
- b) Nucleus
- c) Nuclear pore
- d) Cell membrane
- 22. RNA virus replicates in
 - a) Cytoplasm
 - b) Nucleus
 - c) Nuclear pore
 - d) Cell membrane
- 23. WSSV shows following type of inclusion body
 - a) Bolinger body
 - b) Micronucleus
 - c) Negri bodies
 - d) Cowdry type A
- 24. Viral disease reported from Indian seabass
 - a) Viral nervous necrosis (VNN)
 - b) White spot syndrome (WSSV)
 - c) Spring viremia of carp
 - d) Viral haemorrhagic septicaemia
- 25. Family of White Spot Syndrome Virus (WSSV) is
 - a) Parvo viridae
 - b) Nima viridae
 - c) Herpes viridae
 - d) Irido viridae
- 26. Infectious peretenotits virus has following type of genome
 - a) Double stranded tri segmented RNA
 - b) Double stranded bisegmented RNA
 - c) Single stranded DNA
 - d) Double stranded DNA
- 27. Following virus has 10 segmented RNA genome
 - a) Tilapia parvo virus
 - b) Tilapia lake virus
 - c) WSSV
 - d) SVCV
- 28. Rolling hairpin replication is observed in
 - a) HPV
 - b) TSV
 - c) YHV
 - d) LSNV

| 29. In which class of viruses (+)ss RNA is transcribed first into ss DNA, | | |
|---|-----|--|
| | a) | Group III |
| | b) | Group IV |
| | c) | Group V |
| | d) | Group VI |
| 30. | | rpes virus contains a layer between external lipid layer and neucleo capsid that layer is |
| | | medas |
| | a) | Corona |
| | b) | Tegument |
| | c) | Envelop |
| | d) | Polyprotein |
| | , | Polyprotein are the target cells of irido virus |
| 31. | | are the target cells of irido virus |
| | a) | Endothelial cells |
| | b) | Macrophages |
| | c) | M cells |
| | | Muscle cells |
| | , | CI. |
| 32. | Fol | a) virus isolation in cell culture b) virus isolation in cells followed by serum neutralization c) Agar gel immune diffusion test d) Real time PCR |
| 33. | Fol | lowing are the cytopathic effect seen in cell culture |
| Ŧ | a) | Monolayer detachment |
| | b) | Rounding of cells |
| | c) | Elongation of cell |
| | d) | All of the above |
| | | |
| 34. | Ret | rovirus carries following |
| | a) | DNA polymerase |
| | b) | Reverse transptase |
| | c) | Gyrase |
| | d) | Trypsinase |
| | | |
| 35. | Wh | nich of the following parasites commonly infects fish by attaching itself to the skin or gills? a) Plasmodium b) Ichthyophthirius multifiliis c) Toxoplasma gondii d) Trypanosoma brucei |

| 36. Which parasite causes the disease commonly known as "fish lice"? | | | |
|---|-------------------------|--|--|
| a) Argulus | | | |
| b) Leishmania | | | |
| c) Schistosoma | | | |
| d) Taenia | | | |
| 37. What is the primary mode of transmission for fish tapeworm infections in | humans? | | |
| a) Ingestion of contaminated water | | | |
| b) Inhalation of airborne eggs | | | |
| c) Direct contact with infected fish | | | |
| d) Mosquito bites | | | |
| b) Inhalation of airborne eggsc) Direct contact with infected fishd) Mosquito bites | Acc. | | |
| All I | Ç _X | | |
| 38. Which of the following parasites is responsible for the disease commonly | known as "fish velvet"? | | |
| a) Gyrodactylus | 50 | | |
| b) Dactylogyrus | A | | |
| c) Cryptobia | CT. | | |
| d) Ichthyophonus | 70 | | |
| 39. Which parasite causes the condition known as "white spot disease" in fish | ? | | |
| a) Cryptosporidium | 4 | | |
| b) Ichthyophthirius multifiliis | (12) | | |
| c) Giardia lamblia | 4 | | |
| d) Plasmodium | | | |
| | 101 1 | | |
| | 11 -0 | | |
| 40. What is the primary host of the parasitic nematode Anguillicola crassus? | 2 | | |
| a) Salmon | 30 | | |
| b) Eel | 27 | | |
| c) Trout | | | |
| d) Cod | | | |
| | | | |
| 41. Which of the following is a common symptom of fish infected with the pa | rasite Ichthvonhthirius | | |
| multifiliis? | rasic reninyopiumius | | |
| a) Swollen abdomen | | | |
| b) White spots on the skin | | | |
| c) Loss of appetite | | | |
| d) Excessive mucus production | | | |
| | | | |
| 42. Which parasite is responsible for the disease known as "whirling disease" | in fish? | | |

a) Myxobolus cerebralis

- b) Neobenedenia melleni
- c) Eimeria
- d) Henneguya salminicola
- 43. Which of the following parasites is a common cause of "cotton wool disease" in fish?
 - a) Cryptocaryon irritans
 - b) Piscinoodinium pillulare
 - c) Saprolegnia
 - d) Caligus spp.
- 44. What is the primary mode of transmission for the parasite *Gyrodactylus salaris*?
 - a) Ingestion of contaminated food
 - b) Skin contact with infected water
 - c) Inhalation of airborne spores
 - d) Vector-borne transmission by mosquitoes
- 45. Which parasite is responsible for the condition known as "gill flukes" in fish?
 - a) Trichodina
 - b) Ichthyobodo
 - c) Dactylogyrus
 - d) Leishmania
- 46. What is the primary mode of entry for the parasite Cryptobia salmositica into fish?
 - a) Ingestion of contaminated prey
 - b) Penetration through the skin
 - c) Inhalation of infective spores
 - d) Transmission via mosquito bites
- 47. Which parasite is responsible for the disease commonly known as "black spot disease" in fish?
 - a) Diplostomum spp.
 - b) Ichthyobodo spp.
 - c) Cryptosporidium spp.
 - d) Saprolegnia spp.
- 48. What is the primary host of the parasite *Philometroides sanguineus*?
 - a) Salmon
 - b) Carp
 - c) Eel
 - d) Catfish
- 49. Which parasite causes the disease known as "anchorworm" in fish?
 - a) Lernaea
 - b) Cryptocaryon
 - c) Ichthyophthirius
 - d) Neobenedenia

| 50. What is the primary host of the parasite <i>Ichthyopthiriu smultifiliis</i>? a) Fish b) Snails c) Mosquitoes |
|---|
| d) Birds |
| 51. Which parasite is responsible for the disease known as "gill maggot" in fish? |
| a) Ergasilusb) Diplostomum |
| b) Diplostomumc) Lernaea |
| d) Cryptobia |
| a) Cryptobla |
| 52. What is the primary mode of transmission for the parasite <i>Myxobolus cerebralis</i> ? |
| a) Ingestion of infected prey |
| b) Penetration through the skin |
| c) Inhalation of infective spores |
| d) Transmission via contaminated water |
| A A |
| 53. Which of the following parasites commonly infects fish and has a life cycle involving snails as |
| intermediate hosts? |
| a) Anisakis |
| b) Diplostomum |
| c) Cryptosporidium |
| d) Trichinella |
| 54. Which of the following parasite has direct life cycle? |
| a) Nematode |
| b) Cestode |
| c) Monogenean |
| d) Acanthecephalan |
| 40 |
| 55. Bacterial gill Disease is caused by |
| a) Hennaguya ictaluri |
| b) Myxobolus paloskii |
| c) Myxobolus cerebralis |
| d) Flavobacterium branchiophilum |
| 56. Bacterial Kidney Disease (BKD) is caused by |
| a) Aeromonas Salmonicida |
| b) Renibacterium salmonarium |
| c) Tetracapsulabry salmonae |
| d) Pesudomonas fluorescens |
| , |
| |
| 57. Cloudiness of sixth abdominal segment is reported in infection in Shrimps? |

| | a) | Pseudomonas sp |
|-----|---------|---|
| | b) | Vibrio sp |
| | c) | Aeromonassp |
| | d) | All the above |
| 58. | Granul | omatous lesion is common in which of the following infection |
| | a) | Photobacterium damsela |
| | b) | Mycobacterium marinum |
| | c) | Nocardiasp |
| | d) | All the above |
| | | isease is caused by? Photobacterium damsela Vibrio salmonicida |
| 59. | Hitra d | isease is caused by? |
| | a) | Photobacterium damsela |
| | b) | Vibrio salmonicida |
| | | Tersinia ruckeri |
| | d) | Flexibacter maritimus |
| 60 | Leucoti | hrix sp. is known to cause among the following infection in shrimp? |
| 00. | | Luminescent bacterial disease |
| Ĕ | | Filamentous bacterial disease |
| F. | | Shell disease |
| Ť | | Black Gill disease |
| Ė | | * X X X |
| 61. | Mycob | acterium sp. is acid-fast due to the presence of? |
| 3 | - | Lipoteichoic acid |
| Ŧ | b) | Mycolic acid |
| | c) | Lactic acid |
| | d) | None of the above |
| | 0 | |
| | 3 | |
| 62. | | rative gill disease is caused by? |
| | | Hennaguya ictaluri |
| | | Myxobolu spaloskii |
| | | Myxobolus cerebralis |
| | d) | Flavobacterium branchiophilum |
| 63. | Texas r | oond mortality syndrome (TPMS) is caused by? |
| | _ | Rickettisia like organism |
| | | Pseudomonas sp. |
| | | Vibrio sp. |
| | - | All the above |

| 64. | Pseudo | tuberculosis is caused by? |
|-----|------------|--|
| | a) | Photobacterium damsela |
| | <i>b</i>) | Vibrio salmonicida |
| | c) | Yersinia ruckeri |
| | d) | Flexibacter maritimus |
| 65. | Toxin 1 | produced by Streptococcus sp. is in nature? |
| | a) | Beta - hemolytic |
| | b) | Alpha - hemolytic |
| | c) | Neurotoxin |
| | d) | Enterotoxin |
| | | Enterotoxin |
| | | 7/3 |
| 66. | Which | of the following bacteria is an obligate fish pathogen? |
| | a) | Vibrio sp |
| | b) | Aeromonas hydrophila |
| | c) | Aeromonas salmonicida |
| 7 | d) | Aeromonas caviae |
| L | - 11 | 4 |
| 67. | | of the following types of vaccine contains certain bacterial polysaccharide outer coats that |
| 10 | are poo | orly <mark>immun</mark> ogenic? |
| T | a) | Subunit vaccine Subunit vaccine |
| 10 | b) | Recombinant vaccine |
| 1 | c) | Conjugate vaccine Conjugate vaccine |
| Ş | d) | Peptide vaccine |
| 68 | Which | among the following reported as is fish borne zoonotic bacterial pathogen? |
| 00. | a) | Aeromonas Salmonicida |
| | , | Renibacterium salmonarium |
| | , | Mycobacterium marium |
| | | Pesudomonas fluorescens |
| | -/ | |
| 69. | Cysteir | ne heart agar is the selective media for? |
| | a) | Aeromonas Salmonicida |
| | b) | Renibacterium salmonarium |
| | c) | Fransiella sp |
| | d) | Pesudomonas fluorescens |
| 70 | Cavima | ning pool granuloma in human is causes due to bacterial pathogen? |
| 70. | a) | ning pool granuloma in human is causes due to bacterial pathogen? Aeromonas Salmonicida |
| | a) b) | Renibacterium salmonarium |
| | c) | Mycobacterium marium |
| | d) | Pesudomonas fluorescens |
| | u) | i comonionio jino resectio |

| 71. F | KDM2 | is the selective media for? |
|--------------|------------|--|
| | a) | Aeromonas Salmonicida |
| | b) | Renibacterium salmonarium |
| | c) | Mycobacterium marium |
| | d) | Pesudomonas fluorescens |
| 72. E | Bankru | aptcy disease is caused by bacterial pathogen? |
| | a) | Aeromonas hydrophila |
| | b) | Pseudomonas sp. |
| | c) | Clostridium botulinum type E |
| | d) | Clostridium botulinum type E Flavobacterium columnare |
| | | The state of the s |
| | É | |
| 73. V | Which | of the following antibiotic can be used in the selective media for Aeromonas isolation |
| 100 | a) | Trimethoprim |
| TC. | b) | Ampicillin |
| 15 | c) | Chloramphenicol |
| 10 | d) | Tetracycline |
| 74. F | Enteric | Red Mouth Disease is caused by? |
| TU. | | Photobacterium damsela |
| 0 | <i>b</i>) | Aeromonas salmonicida |
| ·P | c) | Yersinia ruckeri |
| 17 | , | Flexibacter maritimus |
| - 9 | Ø- | |
| 75. V | Which | among the following is known as primary non-executive lymphoid organ in fishes? |
| | a) | Thyroid |
| | b) | Anterior kidney |
| | c) | Thymus |
| | d) | Spleen |
| | _ | , phagocytosis is carried out by cells that are lined in the blood vessels of ary lamellae? |
| | | a) Chloride cellsb) Pillar cellsc) Reticulo endothelial cellsd) Epithelial cells |
| 77. V | While o | comparing primary immune response with secondary immune response will be? |
| a | a) Lo | nger lag phase and Lower magnitude of reaction |

| | b) | Shorter lag phase and Higher magnitude of reaction | | | |
|-----|--|--|--|--|--|
| | c) | Longer lag phase and Higher magnitude of reaction | | | |
| | d) | Shorter lag phase and Lower magnitude of reaction | | | |
| | | | | | |
| 78. | | mune responses and immune pathways in fishes are highly influenced byamong the | | | |
| | _ | ysical factor? | | | |
| | | Dissolved oxygen | | | |
| | | Light intensity | | | |
| | c) | pH | | | |
| | d) | Temperature | | | |
| 79. | Ba | cterin is antigen | | | |
| | a) | T dependent | | | |
| | b) | T dependent T independent | | | |
| | c) | Mitogen | | | |
| | d) | Non immunogenic | | | |
| | u) | Non minutogenie | | | |
| | J. | | | | |
| 80. | | rell responses are crucially dependent on antigen presentation | | | |
| 1 | a) | Basophils | | | |
| L | b) | Eosinophils | | | |
| £ | c) | Macrophages | | | |
| 10 | d) | Epithelial cells | | | |
| 81. | Mł | HC class I molecules are found on the cell surface of cells | | | |
| łυ | | Only in thrombocytes | | | |
| 1 | | All nucleated cells | | | |
| S | c) | Only in Phagocytes | | | |
| | d) | Only in Antigen presentation cells | | | |
| 0.0 | S | | | | |
| 82. | | tibody type commonly found at the mucosal sites of fishes are? | | | |
| | a) | IgA | | | |
| | b) | IgM | | | |
| | | IgT | | | |
| | d) | IgV | | | |
| 83. | Cells responsible for epidermal healing in fishes are? | | | | |
| | a) | Malpighian cells | | | |
| | b) | Reticulo endothelial cells | | | |
| | c) | Macrophages | | | |
| | d) | Monocyte | | | |
| 0.4 | 17 | | | | |
| 84. | | y molecular genes responsible for T cell receptors rearrangement is called as | | | |
| | a) | VAG | | | |
| | b) | RIG | | | |
| | c) | RAG | | | |
| | d) | VDJ | | | |

| 85. Which among the following co receptors of T cells binds with MHC II molecule? a) TCR delta b) TCR Alpha c) CD8+ d) CD4+ | |
|---|-----|
| 86. Which of the following organ in fishes is majorly responsible for antigen trappinga) Pancreasb) Hind kidneyc) Liver | ? |
| c) Liver d) Spleen 87. IgM in fishes is in nature. a) Monomer b) Tetramer | |
| 87. IgM in fishes is in nature. | |
| a) Monomer | |
| b) Tetramer | |
| c) Pentamer | |
| d) Trimer | |
| d) Timel | |
| OO Analogous formation to the Calculation Calculation | |
| 88. Analogues of germinal center in fishes is | |
| a) Glomerulus | y. |
| b) Ellipsoids | |
| c) Sinusoids | 3. |
| d) MMC | IJ. |
| | 4 |
| 89. Expansion of GiALT is | 51 |
| a) Gill associated Lymphoid Tissue | 1. |
| b) Gonad associated Lymphoid Tissue | |
| c) Gut associated Lymphoid Tissue | |
| d) Gastro intestinal associated Lymphoid Tissue | |
| 90. Self-reactive lymphocytes are killed within tissue | |
| a) Gills | |
| | |
| | |
| c) Kidney | |
| d) Thymus | |
| | |
| 91. Inflammasome is produced during pathway activation | |
| a) RLR | |
| b) TLR | |
| c) NLR | |
| d) CLR | |
| 02. Which type of TI De are unique to fishes? | |
| 92. Which type of TLRs are unique to fishes? | |
| a) TLR 14, 22 | |
| b) b) TLR 15,21 | |
| c) c) TLR 2, 24 | |

- d) d) TLR 18,12
- 93. Physico chemical properties of ------ chain in the immunoglobulin molecule responsible for classification of Ig molecule
 - a) Light
 - b) Heavy
 - c) J link
 - d) All the above
- 94. Transferrin is under ----- category of immune defense in fishes
 - a) Lectins
 - b) Lysins
 - c) Enzyme inhibitors
 - d) Growth inhibitor
- 95. Which one is the maximum fraction in the organic contains in the sewage
 - a) Carbohydrate
 - b) Protein
 - c) Fat
 - d) Hydrocarbon
- 96. The use of living microorganism to degrade the environmental pollutant is known as
 - a) Microremediation
 - b) Nanoremediation
 - c) Bioremediation
 - d) Macroremediation
- 97. Toxin responsible for Paralytic shellfish poisoning is
 - a) Saxitoxin
 - b) Brevetoxin
 - c) Okadaic acid
 - d) Domoic acid
- 98. The book 'Silent Spring', which was written by Rachel Carson, documented
 - a) Adverse environmental effects caused by pesticides
 - b) Adverse environmental effects caused by ozone depletion
 - c) Adverse environmental effects caused by heavy metals
 - d) Adverse environmental effects caused by radioactive pollutants
- 99. Species that serve as early warnings of environmental damage are called
 - a) Keystone species
 - b) Native species
 - c) Specialist species
 - d) Indicator species
- 100. Which of the following is a waterborne disease?
 - a) Typhoid
 - b) Measles
 - c) Sarcoma
 - d) Arthritis

| , | Which of the following genus of bacteria is not found in freshwater? Pseudomonas Flavobacterium Aeromonas Vibrio |
|--------------|--|
| 102. | All of the following species are considered coliforms, except a) Entero bacteraerogenes b) Klebsiella pneumonia c) Salmonella typhi d) Escherichia coli |
| 103. | Which of the following is not a biofertilizer? a) Salmonella b) Rhizobium c) Nostoc d) Azolla |
| 104. call | Increase in concentration of chemical substance along the trophic level of food chain is |
| E D | a) Bioconcentration b) Bioaccumulation c) Biomagnification d) Biotrasformation |
| 105. | Neurotoxic shellfish poisoning is caused by a) Diatom b) Dinoflagellate c) Bacteria d) Brown algae |
| 106. mg. | According to the OECD, chemicals with acute toxicity greater than 5 and less than 50 /kg body weight will be classified as a) Harmful b) Not harmful c) Toxic |

107. Which chemical is not on WHO's list of the ten chemicals of public concern?

a) Arsenic

d) Very Toxic

- b) Mercury
- c) Lead
- d) Chromium
- 108. Minerals highly responsible for eutrophication of water bodies a) Phosphorus and iron

, 1

| c) | Phosphorus and calcium Phosphorus and nitrogen Phosphorus and fluoride |
|--|--|
| 109. a) b) c) d) | Most widely accepted water quality criteria for measuring pollution Chemical oxygen demand Biological oxygen demand Chloroform content Ammonia |
| b) c) | A dangerous pollutant that kills foetus sex organ cell Mercury Lead Cadmium Chromium |
| a) b) c) | The maximum standard for discharge of effluent having chemical oxygen demand in inland surface water recommended by CPCB is 200 250 150 100 |
| a) b) | The standard for discharge of effluent having suspended solid (mg/L) in inland surface by CPCB is 200 150 100 50 |
| b) Sar c) Ro | Which of the following habitat require higher recovery period for oil spill event? angroves ndy shore cky shore It marshes |
| 114. a) 10% b) 20% c) 30% d) 40% | |
| b) c) | The oxygen require of the organic matter in the sample is termed as BOD COD TOD POD |

| a) 15% b) 25% c) 35% d) 45% | |
|---|---|
| a)ISO 6 b) ISO c) ISO | Standard relating to water quality: Enumeration of culturable microorganism using ount by inoculation in a nutrient agar culture medium 6222:1999 6000:1999 6200:1999 6002:1999 |
| a) Bioin b) Bion c) Bios d) Bior | ensor |
| a) Brab) Heac) Teedd) Kid | art |
| 120. | Which one is larval stage of digenian trematode a) Tomoite b) Schizont c) Miracedium d) Fry |

| 1. | В |
|--|---|
| 2. | В |
| 3. | D |
| 4. | A |
| 5. | C |
| 6. | A |
| 1. 2. 3. 4. 5. 6. 7. | C |
| 8. 9. | A |
| | A |
| 10. | A |
| 11. | A |
| 10. 11. 12. 13. | B D A C A C A A A A A A A A A A A A A A A |
| 13. | A |
| 14. 15. 16. 17. | D |
| 15. | C |
| 16. | A |
| 17. | A |
| 18. | A |
| 19. | A |
| 20. | C |
| 20. 21. 22. 23. 24. 25. | В |
| 22. | A |
| 23. | D |
| 24. | A |
| 25. | В |
| 26. | В |
| 27. | В |
| 28. | A |
| 29. | В |
| 30. | В |
| 31. | В |
| 32. | В |
| 33. | D |
| 34. | В |
| | |

| 35. | A |
|-----|-------------|
| 36. | B C |
| 37. | C |
| 38. | D |
| 39. | В |
| 40. | В |
| 41. | В |
| 42. | A |
| 43. | C B |
| 44. | |
| 45. | C |
| 46. | C |
| 47. | A |
| 48. | C A |
| 49. | |
| 50. | A |
| 51. | |
| 52. | В |
| 53. | В |
| 54. | C |
| 55. | D |
| 56. | В |
| 57. | В |
| 58. | D |
| 59. | В |
| 60. | В |
| 61. | В |
| 62. | B A A |
| 63. | A |
| 64. | A |
| 65. | A A C C C |
| 66. | C |
| 67. | C |
| 68. | C |

| | 69. | В |
|---|-------------------------|-----------------|
| | 70. | C |
| | 71. | C B |
| | 72. | C |
| | 73. | В |
| | 70. 71. 72. 73. 74. 75. | C B C C C B D B |
| | 75. | C |
| | 76. | C |
| | 77. 78. | В |
| | 78. | D |
| Ī | 79. | В |
| | 80. | C |
| | 81. | В |
| | 82. | C B C |
| | 83. | A |
| | 84. | D |
| 3 | 85. | D |
| | 86. | A D D D |
| ŀ | 87. | В |
| | 88. | D |
| | 89. | A |
| | 90. | D C |
| | 91. | |
| | 92. | A |
| | 93. | В |
| | 94. | D |
| | 95. | В |
| | 96. | C |
| | 97. | A |
| | 98. | A |
| | 99. | A A D |
| | 100. | A |
| | 101. | D |
| | 102. | C |
| | | |

| 103. | A |
|------|---|
| 104. | C |
| 105. | В |
| 106. | C |
| 107. | D |
| 108. | C |
| 109. | В |
| 110. | C |
| 111. | В |
| 112. | C |
| 113. | A |
| 114. | C |
| 115. | В |
| 116. | C |
| 117. | A |
| 118. | A |
| 119. | C |
| 120. | C |
| | |

