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SUBJECT CODE NO:- B-2188
FACULTY OF SCIENCE & TECHNOLOGY
B.Sc. T.Y. (Sem-V)
Examination November/December- 2022
Fishery Science Paper-XVI
Modern Trends in Fishery Science

[Time: 1:30 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
- 1) Attempt all questions.
 - 2) Illustrate your answer with suitable diagram
- Q.1 Describe in detail sex-determination. 20
- OR
- Give a detailed account of cryopreservation of gametes
- Q.2 Write in detail intra specific and intergeneric hybrids. 20
- OR
- Write short note on any four of the following.
- a) Karyotyping
 - b) Sterile fish
 - c) Selective breeding
 - d) Androgenesis
 - e) Hybridization in Indian carps.
 - f) Broiler fish
- Q.3 Multiple choice questions. 10
- 1) Thawing is done in -----
 - a) water bath
 - b) freeze
 - c) oven
 - d) none of the above
 - 2) Biodiversity treaty comes in force in the year
 - a) 1983
 - b) 1993
 - c) 1973
 - d) 1963

- 3) Which hybridization is a relatively easier and more effective way for monosex culture
a) experimental b) natural c) mechanical d) none of the above
- 4) Sub metacentric chromosomes is having centromere at -----
a) Terminal b) central c) between the centre & one end d) very close to the end.
- 5) Sex reversal technique was first time applied on -----
a) common carp b) cat fish c) medaka and gold fish d) weed fish
- 6) Hybrid resembles in characters with -----
a) maternal character b) paternal character c) both the parents d) none of the above
- 7) In USA , increase in growth in the case of channel fish was 33% in -----
a) one b) two c) three d) four
- 8) Sex determining potentials different from ----
a) species to species b) species to genus c) genus to species d) genus to genus
- 9) To obtain homozygosity in individual should have -----
a) parental chromosome b) maternal chromosome c) both d) none if the above
- 10) Celta -rohu hybrid can be replaced in composite fish culture.
a) catla b) rohu c) both d) none of the above