

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION -2016

B. Tech II Semester

COURSE CODE: 11B1WBT838

MAX. MARKS: 15

COURSE NAME: Genetic Counseling

COURSE CREDITS: 03

MAX. TIME: 1 HR

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as a case of unfair means.

- | | Marks |
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| 1. Explain followings:- | (5X1= 5) |
| a. Mis-sense and non-sense mutations | |
| b. Inversion and translocation | |
| c. Founder effect | |
| d. Reverse mutation and paracentric inversion | |
| e. Tetrasomic and double trisomic | |
| 2. What is directive and non-directive genetic counseling? | (2) |
| 3. What are your suggestions, as a genetic counselor, to the parents who already have a Down's syndrome child? | (2) |
| 4. Write a note on amniocentasis and chorionic villus sampling. | (2) |
| 5. What are risk factors for Down's syndrome? Describe quad screen test. | (2) |
| 6. Give various symptoms of cystic fibrosis. What are different classes of CFTR mutations? | (2) |