JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION- Sept.2017
B.Tech BTDD IX Sem and MTech III sem

COURSE CODE: 14M1WBT332   MAX. MARKS: 15
COURSE NAME: Clinical Diagnostic
COURSE CREDITS: 03   MAX. TIME: 1Hour

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

Q1. Discuss the need of karyotyping techniques in clinical diagnostics. Describe the different banding patterns used in the cytogenetic analysis of clinical samples   (3)

Q2. Define the principle, advantages and disadvantages of FISH. Explain the following procedures used in FISH analysis   (3)

   a) Permeability

   b) Fluorescent dyes

Q3. Discuss the criteria to be followed in specimen collection for clinical diagnosis. Discuss the different transport media which can be used for transport of infectious specimens.   (3)

Q4. How the proteins can be used as clinical diagnostic marker. Discuss any technique using proteins for diagnostics.   (3)

Q5. Discuss the different components and application of flow cytometer   in diagnostics   (3)