

B.Sc.(second Year) (New Course)

Faculty of science

B.Sc.(second Year) Examination

Microbiology

Paper VII (Practical)

Time: 10.00AM-1.00PM (Both days)

Marks: 100

Centre

Date:.....

Batch No.....

Q.1 Measurement of Growth by turbidometry/ Isolation of <i>E.coli</i> plasmid DNA/ Studies on conjugation in <i>E.coli</i>	15
Q.2 Isolation of coliphage/ Phage titre/ Transformation in <i>E.coli</i>	15
Q.3 Determination of tolerance to antibiotics/ dyes/quantitation of growth of <i>Penicillum</i> sps. by dry weight method	10
Q.4 Separation of plasmid DNA by agarose gel electrophoresis/ isolation of mutants of <i>E.coli</i> by UV induced mutagenesis/ chemical mutagens	10
Q.5 Spotting Five spots carrying 5 marks each	25
Q.6 Viva Voce	15
Q.7 Record Book	10

B.Sc.(second Year) (New Course)

Faculty of science

B.Sc.(second Year) Examination

Microbiology

Paper VIII (Practical)

Time: 02.00PM-5.00PM (Both days)

Marks: 100

Centre

Date:.....

Batch No.....

Q.1 Isolation and identification of <i>E.coli</i> / <i>Staphylococcus aureus</i>	15
Q.2 Separation of serum proteins by electrophoresis/ Lymphocyte counting by using haemocytometer / Single radial immunodiffusion	15
Q.3 Gram staining/ Albert's staining/ Leishman's staining/ Preparation of reagents/ buffers	10
Q.4 Blood grouping / Widal test/ Media preparation	10
Q.5 Spotting Five spots carrying 5 marks each	25
Q.6 Viva Voce	15
Q.7 Record Book	10