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University Examinations 2013/2014

THIRD YEAR, FIRST SEMESTER EXAMINATIONS FOR DEGREE OF BACHELOR OF
SCIENCE IN FOOD TECHNOLOGY

AND

THIRD YEAR, FIRST SEMESTER EXAMINATIONS FOR DEGREE OF BACHELOR OF
SCIENCE IN FOOD SCIENCE AND NUTRITION

AFS 2301: FOOD MICROBIOLOGY II

DATE: APRIL 2014

TIME: 2 HOURS

INSTRUCTIONS: *Answer question one and any other two questions*

QUESTION ONE – (30 MARKS)

- (a) Discuss mechanisms by which bacteria cause diseases. (6 Marks)
- (b) Explain the importance of fungi. (6 Marks)
- (c) Describe non-thermal microbial destruction methods. (6 Marks)
- (d) Explain five common food borne viruses. (6 Marks)
- (e) Discuss application of yeast in food industry. (6 Marks)

QUESTION TWO – (20 MARKS)

Discuss the occurrence mycotoxins in food value chain. (20 Marks)

QUESTION THREE – (20 MARKS)

Describe the practical approach used to enumerate, isolate and identify fungi from a food sample. (20 Marks)

QUESTION FOUR – (20 MARKS)

Discuss micro biological risk assessment in foods. (20 Marks)