**ST JOSEPH’S UNIVERSITY, BENGALURU -27**

Registration Number:

Date & Session:

**M.Sc. FOOD SCIENCE & TECHNOLOGY – III SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2023**

 **(Examination conducted in November /December 2023)**

**FST 3422: Food Quality, Safety Management & Statistics**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 50**

**This paper contains 2 printed pages and FOUR parts**

**I. Answer any FOUR of the following 3x4=12**

1. Highlight the principles of quality assurance.

2. Mention the importance and benefits of food quality control.

3. List the principles of HACCP.

4. What is AGMARK? Mention the names of any 3 commodities that require AGMARK

 certification.

5. Mention the merits and demerits of probability sampling with examples.

6. Cite the differences of population and sample variance with a formula.

**II. Answer any TWO of the following 5x2=10**

7. Mention the various methods used for quality assessment of egg.

8. Write a note on Fish Bone diagram used in Total Quality Management.

9. Give the graphical representation of the positive and negative correlation.

**III. Answer any TWO of the following 10x2= 20**

10. Describe the principles and regulation of GMP.

11. Narrate the role of USFDA in management.

12. Explain the 4 techniques of probability sampling.

**IV. Answer the following 8x1=8**

13. 