

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2021

Subject Code:3151407

Date:17/09/2021

Subject Name:Entrepreneurship and Food Plant Management

Time:10:30 AM TO 01:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) Differentiate between planned and unplanned maintenance. **03**
- (b) Explain the terms ‘Current assets’ and ‘Current liabilities’ **04**
- (c) Define Operation Management. Discuss the components of operation management. **07**
- Q.2** (a) Introduce the following terms: **03**
- i) Method Study
 - ii) Routings
 - iii) Quarantine stock
- (b) Differentiate between Project Production System and Mass & Flow Production System. **04**
- (c) Explain the factors affecting working capital needs of a business. **07**
- OR**
- (c) Explain the need for maintaining depreciation records in accounting. **07**
- Q.3** (a) State the benefits of ‘Break Even Analysis’ **03**
- (b) What are the objectives and need of replacement? **04**
- (c) Explain the ‘Written Down Value Method’ of calculating depreciation. **07**
- OR**
- Q.3** (a) Classify the different types of maintenance. **03**
- (b) A manufacturer produces 3000 units of products annually. The marginal cost of each product is Rs. 1000 and the product is sold for Rs. 1300. Fixed cost incurred by the company is Rs. 60, 000 annually. Calculate P/V Ratio and what would be the break -even point in terms of output and in terms of sales value? **04**

- (c) What do you understand by the term breakdown maintenance? Discuss the benefits and drawbacks of breakdown maintenance. **07**
- Q.4** (a) Write a short note on 'soft skills for entrepreneurs' **03**
- (b) Discuss the essential qualities of smart entrepreneur. **04**
- (c) Describe different factors influencing the choice of manufacturing system. **07**
- OR**
- Q.4** (a) State the various agencies with their role which can assist the new entrepreneur. **03**
- (b) State the various factors to be consider before deciding upon a business opportunity. **04**
- (c) What do you understand Master Production schedule? Highlight on its verification process. **07**
- Q.5** (a) State the symptoms of poor material handling in an organization. **03**
- (b) Highlight on KANBAN and Balanced scheduling techniques of JIT. **04**
- (c) Define Economic Batch Quantity. State the assumptions made during calculations of EBQ. **07**
- Food Industry manufactures pickle for stable monthly market demand of 4000 kg. Calculate the economic batch quantity if the annual holding cost is 5% of the stock value, unit price of the product Rs. 160 per kg and machine set up cost is Rs. 5000/-.
- OR**
- Q.5** (a) Compare Materials Requirement Planning with Just in Time system. **03**
- (b) Define Decision making. What are different types of decisions to be taken in an organization? State their salient features. **04**
- (c) What are different types of materials stock in an organization? Briefly explain the functions of stores department in an organization. **07**
