

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN
NUVEM-GOA**

B.A./B.Com./B.Sc. CBCS Semester V Examination, January 2021

Subject Code: COC111

Subject Name: Industrial Management

Total Marks: 80

Duration: 2 Hours

Total No of Pages: 2

*Instructions: 1) All questions are **compulsory**, however, internal choice is available.*

*2) Answer sub-questions in Question No. 1 and Question No. 2 in not more than **100** words each*

*3) Answer Question No. 3 to Question.No 6 in not more than **400** words each*

*4) Figures to the **right** indicate **marks**.*

Q.1 Answer the following questions in brief (any four): [4 x 4 = 16]

- a) What is scientific management?
- b) Write on two input factors in the industrial management process.
- c) List and explain two objectives of plant layout.
- d) Explain two types of occupational hazards.
- e) Briefly explain the role of National Productivity Council.
- f) What is productivity?

Q.2. Write short notes on (any four): [4 x 4 = 16]

- a) Force field analysis.
- b) Concept of TQM.
- c) ISO 9000.
- d) Effects of accidents on employers.
- e) Occupational health.
- f) OHSAS 18000.

Q.3.A. Explain six factors determining factory location. [12]

OR

B. Critically evaluate fixed position layout and combination layout.

Q. 4. A. Enumerate and explain the factors affecting work environment. [12]

OR

B. Why is Industrial productivity important? How can it be improved?

Q.5. A. Explain the principles of TQM. [12]

OR

B. Write a note on Critical Path Method (CPM).

Q. 6. A. What are the objectives of safety management? [12]

OR

B. What are industrial accidents? Explain the mechanical causes of accidents?

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