

**P. G. CERTIFICATE IN INVENTORY  
PLANNING AND WAREHOUSING  
SYSTEM FOR ENGINEERS  
(PGCIPWS)**

**Term-End Examination**

**June, 2024**

**MWR-003 : WAREHOUSING SYSTEM**

*Time : 3 Hours*

*Maximum Marks : 70*

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**Note :** Attempt any **seven** questions. All questions carry equal marks. Use of calculator is allowed.

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1. (a) Describe the principles of warehousing. 5  
(b) What are the functions of warehousing ? 5
2. (a) Briefly describe the inbound and outbound process in warehouse management. 10
3. Enumerate the various roles played by warehouse manager. List out the responsibilities of warehouse manager. 10
4. List out internal and external factors which affect locational decision for warehousing. 10
5. Discuss the salient features of Sargent Florence's theory of factory location planning. What are the criticism on it ? 10

6. Explain the following semi-quantitative methods for factory location planning :
- (a) Weight-cum-rating method 5
- (b) Factor rating method 5
7. Two godowns (Say  $G_1$  and  $G_2$ ) of a points company having storage capacities of 25 and 20 barrels, requires to transport to three markets ( $M_1, M_2, M_3$ ) whose expected sales are 15, 16, 11 barrels respectively. M/s. Raju & Co. has quoted unit cost of transporting them as ₹ 27, ₹ 34 and ₹ 48 from  $G_1$  while ₹ 29, ₹ 38 and ₹ 45 from  $G_2$  to three markets respectively. During transportation to three market M/s. Raju and Co. incurs cost of ₹ 24, ₹ 31 and ₹ 40 from  $G_1$  while ₹ 25, ₹ 32 and ₹ 36 from  $G_2$  respectively. Obtain IBFS of transportation using Vogel's approximation so as to maximize profits. 10
8. Describe the safety features required in warehouse in the case of the following : 10
- (a) Workmen
- (b) Assets
- (c) Environment
9. What are seven wastes of warehousing ? How do you eliminate ? 10
10. Briefly explain any *five* Acts under Indian Penal Code with regard to Warehousing. 10