(ii) What are the objectives of OSCM ?

(iii) What are different types of layouts ?

(iv) Differentiate between JIT and lean production ?

(v) What do you mean by global optimization in logistics ?

(vi) What are economic benefits of warehousing ?

(vii) How e-procurement is different from purchasing process ?

(viii) Discuss social issues in supply chain management.

SECTION – B

UNIT – I

2. Describe the decision making in operations management and discuss four stages of operations and supply chain alignment with operation strategy.

3. Describe the mechanics of three qualitative forecasting techniques and compare their strengths and weaknesses.

UNIT – II

4. What are different factors in deciding location ? Explain the types and location planning methods.

5. Write a detailed note on Material Handling principles and devices.

UNIT – III

6. Discuss in detail Logistical operation in supply chain management and explain logistics strategy and decision models.

7. Write a detailed note on future trends in supply chain management.

UNIT – IV

8. Discuss in detail the process, trends and strategies of procurement.

9. Write detailed note on social issues & Relationship development in supply chain management.

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B. Tech. (Civil) 4th Semester/F-Scheme
Examination, May–2019
FLUID MECHANICS–II
Paper–CE-204-F

Time allowed : 3 hours]   [Maximum marks : 100

Note : **Question No. 1 is compulsory.** Attempt any *five* questions by selecting at least any *one* question from each section.

1.   Explain the following :   10×2=20
   - (a)   Laminar & Turbulent flow
   - (b)   Net positive suction head
   - (c)   Aging of pipes
   - (d)   Cavitation
   - (e)   Water Hammer
   - (f)   Airlift Pump
   - (g)   Total Energy Line
   - (h)   Draft Tube
   - (i)   Priming of Pump
   - (j)   Surges in open Channels

Section–A

2.   A smooth pipe of diameter 400mm & length 800m carries water at the rate of 0.04m³/sec. Determine the head lost due to friction, wall shear stress, center line velocity and thickness of laminar sub-layer. Take kinematic viscosity of water 0.18 stokes.   20

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