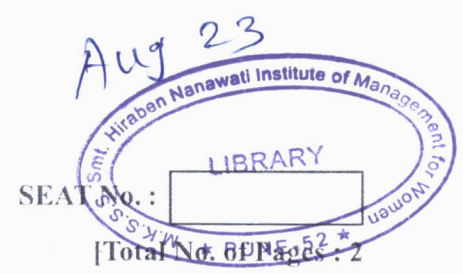


Total No. of Questions : 5]

P-3795



[6025]-84

M.B.A.

404OSCM : SC-OSCM-06 : INDUSTRY 4.0

(2019 Pattern) (Semester - IV)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

**Q1) Answer in short (Solve any 5)**

**[2 marks each]**

- a) Describe Mechatronics.
- b) Development of Industry 4.0 in developed countries.
- c) Explain 4<sup>th</sup> Industrial Revolution.
- d) Comparison of Industry 4.0 factory and today's factory.
- e) Write about Network economy.
- f) Western approach for manufacturing excellence.
- g) Challenges for Industry 4.0.
- h) Enlist various Industrial Revolution.

**Q2) Answer any two out of three.**

**[5 Marks Each]**

- a) Explain the concept of Smart manufacturing.
- b) Comment on pillars of Industry 4.0.
- c) Comment on smart transportation.

**P.T.O.**

**Q3) a)** What are Robots & Cobots? Explain with examples. **[10]**

OR

b) Discuss about Automated Guided vehicle with examples. **[10]**

**Q4) a)** Describe Big data analysis anti relevant examples. **[10]**

OR

b) Explain four types of Analysis & discuss each with examples. **[10]**

**Q5) a)** Write the challenges and opportunities for industry with respect to industry 4.0. **[10]**

OR

b) Describe Smart Industry Readiness Index (SIRI) with relevant examples. **[10]**



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Total No. of Questions : 5]

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SEAT No. :

[Total No. of Pages : 2]

[5860]-414

M.B.A.

OSCM - 404 : INDUSTRY 4.0

(2019 Pattern) (Semester - IV) (SC - OSCM - 06)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Each question has an internal choice.

Q1) Answer any Five out of 8 questions :

[2 each]

- a) Write about Japanese Vs Western approach for manufacturing excellence.
- b) List the developments of Industry 4.0 in developed countries.
- c) Write about Mechatronics.
- d) Write about business and society with respect to Industrial revolution.
- e) What is internet of things.
- f) What are drivers for Industry 4.0
- g) What are enablers for Industry 4.0
- h) Compare Industry 4.0 factory and Today's factory.

Q2) Answer Any Two :

[5 each]

- a) Discuss about collaborative platform and product life cycle Management in Industry 4.0.
- b) Describe about Reference Architectural Model Industries 4.0 (RAMI 4.0)
- c) What is Big data analytics and its significance of V's of big data.

P.T.O.



**Q3) Answer Any One :**

**[10]**

- a) Discuss about virtual Reality and Mixed Reality with examples.
- b) Discuss about strategies for competing in an Industry 4.0 era.

**Q4) a) Explain cloud computing for Industry 4.0**

**[10]**

**OR**

- b) Discuss about automated guided vehicles.

**[10]**

**Q5) a) How leadership is impacting Industry 4.0 in the current scenario**

**[10]**

**OR**

- b) Explain about smart Industry Readiness Index with examples.

**[10]**