

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/Backlog), April-May 2018

B. Tech all branches, Semester VI

Roll No.....

COURSE CODE: HS 603

Time: 3 hours

Max. Marks: 100

COURSE TITLE: Technology Management

Instructions to students:

1. Do not write anything other than your roll number on question paper.
 2. Assume suitable data wherever required and mention it clearly.
 3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever required are an integral part of the answer.
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Q.1A Objective type multiple choice questions (10 questions @ 1 mark)

10

- i Technology is application of
 - a. Science
 - b. Economics
 - c. Practical knowledge
 - d. All of the above
- ii Technology management is the optimization of
 - a. Existing in house technology
 - b. Newly developed in house technology
 - c. Acquired technology
 - d. All of the above
- iii In Technology management there will always be
 - a. Vendor
 - b. Producer
 - c. Customer
 - d. All of the above
- iv Technology Management in an organization depends upon:
 - a. Country policy
 - b. State policy
 - c. Market driven
 - d. All of the above
- v Neo classical theory considers
 - a. Labor and capital
 - b. Labor and land
 - c. Land and capital
 - d. None of the above
- vi Identification of Technology is initiated for:
 - a. Finding a solution of a problem
 - b. Creating a benchmark
 - c. Testing a product
 - d. None of the above
- vii The most important factor in Technology selection is

- a. Expert judgement
 - b. Finance
 - c. Individual preferences
 - d. None of the above
- viii In India, patent is granted for
 - a. Concept
 - b. Process
 - c. Product
 - d. Theory
- ix One most important factor for technology acquisition by an existing organization is:
 - a. Selection of Land
 - b. Selection of Machines
 - c. In house trained manpower for Technology to be acquired
 - d. None of the above
- x Technology development can be done
 - a. In house
 - b. University
 - c. Consortia
 - d. In house

Q.2	Short answer type questions (4 questions @ 2.5 marks)	10
a.	Describe New and Emerging Technology	
b.	Describe low and Medium Technology	
c.	Describe Appropriate Technology	
d.	Differentiate between innovation and invention	
Q.3A	Define the basic components of Technology Management	05
Q.3B	Define the basic roles relative to in house technology	05
Q.4A	In an organization, how technology change is measured?	05
Q.4B	Describe the limitation Neo classical theory.	05
Q.5A	Modern organization work on which market based technological change, which are those.	05
Q.5B	Give limitations of market based technological change theories.	05
Q.6A	Describe Micro technology management	05
Q.6B	Describe macro technology management	05
OR		
Q.6B	Government decided that internet broad band will be free of cost. What is its impact on Technology management of organizations enumerate only two impacts?	05
Q.7A	Innovation is key of the growth of any organization. How any organization can encourage innovation? Describe the methods of innovation management.	05

- Q.7B What is Service Description document and which departments of the organization takes it forward? 05
- OR
- Q.7B What is STAM and its various stages ? 05
- Q.8 What is the importance of S curve in the assessment of technology management? 10
- Q.9A Describe the technology management frame work. 10
- Q.9B Describe various stages in the process of technological innovation. 10
- OR
- Q.9B Describe Technology identification processes. 10