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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester (Online) Examination, May 2020

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| Program: | MBA_Core (Ops. & Proj. Mgt. Specialization) | Semester – | IV |
| Subject (Course): | Technology Management | Max. Marks: | 100 |
| Course Code: | LSCM 8019 | Duration: | 3 Hrs. |
| No. of page/s: | 02 | | |

Section A

[6 Qs. x 5 Marks = 30 Marks]

1. Answer all questions of this section by selecting one answer or multiple answers (wherever desired) from the given options.
 - (i) Technology is a resource for economic growth of a _____. [Select one or more answer(s) from the following options.]
 - a) Country
 - b) Industry
 - c) Firm
 - d) People
 - (ii) S-Curve of Technology Development shows time along x-axis and _____ along y-axis.
 - a) Technological figure of merit
 - b) Advancement through substitution
 - (iii) Entrepreneurs are associated with the _____ stage of TLC.
 - a) Innovation
 - b) Syndication
 - c) Diffusion
 - d) Substitution
 - (iv) Developed countries are observed to be focused on _____ technologies until _____ then on _____ technologies. [Use appropriate options and fill-in the blanks.]
 - a) 1980s
 - b) 1990s
 - c) 2000s
 - d) Agriculture
 - e) Manufacturing
 - f) Service
 - (v) In general, a technology planning period of 4 years can be referred to _____.

- a) short-range
 - b) medium-range
 - c) long-range
- (vi) Technology roadmap is same as the technology portfolio.
- a) True
 - b) False

Section B [5 Qs. x 10 Marks = 50 marks]

2. Answer any five questions. [Answer in 30-50 words or 3-5 sentences.]

- (i) Write a short note on *Technological Sustainability*.
- (ii) Write a short note on the *Technologies used for handling perishable products*.
- (iii) Differentiate *technology adoption* from *technology adaptation*.
- (iv) Discuss five different *technologies*, their *use* and *abuse*.
- (v) Define each stages of *technology life cycle*.
- (vi) Explain which technologies are used in which parts of the value chain.

Section C [1 Qs. x 20 Marks = 20 Marks]

3. Answer any one question with detailed description or analysis. [Ans. in 400-500 words or 1 page.]

- (i) What is appropriate technology? Explain with examples, how it differs with contexts.
- (ii) What are the important considerations for investing into a technology transfer?