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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Affiliated to AKTU, Lucknow)

M.Tech

SEM: II - THEORY EXAMINATION (2025 - 2026)

Subject: Entrepreneurship, IPR & Biosafety

Time: 3 Hours

Max. Marks: 70

General Instructions:

IMP: Verify that you have received the question paper with the correct course, code, branch etc.

1. This Question paper comprises of **three Sections -A, B, & C**. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.
2. Maximum marks for each question are indicated on right -hand side of each question.
3. Illustrate your answers with neat sketches wherever necessary.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

SECTION-A

15

1. Attempt all parts:-

- | | | |
|-------|--|---|
| (1.1) | Defaulter of loan means (CO1, K1) | 1 |
| | (a) Not paying loan installments
(b) Bad reputation
(c) Illegal activities
(d) None of above | |
| (1.2) | Which of the following is not an exchange function of marketing? (CO2, K1) | 1 |
| | (a) Product planning and development
(b) Buying function
(c) After sales service
(d) Sellinh function | |
| (1.3) | The capital structure which maximizes the value of the form is called ____ capital structure. (CO3, K1) | 1 |
| | (a) Maximum
(b) Minimum
(c) Optimum
(d) None of these | |
| (1.4) | What is the subject matter of a patent? (CO4, K1) | 1 |
| | (a) Art
(b) Invention
(c) Goods
(d) Ideas | |

- (1.5) Which of the following sampling methods is the most appropriate for determining microbial contaminants on surfaces? (CO5, K1) 1
- (a) Sieve sampler
 - (b) Settling plate
 - (c) RODAC plate
 - (d) Slit-to-agar sample

2. Attempt all parts:-

- (2.1) What are various sources of raising funds? (CO1, K1) 2
- (2.2) Why do companies provide after-sale services? (CO2, K1) 2
- (2.3) What does a collaborative information system do? (CO3, K1) 2
- (2.4) What is a patent application? (CO4, K1) 2
- (2.5) What are biosafety issues? (CO5, K1) 2

SECTION-B

20

Answer any one of the following:-

- (3.1) Explain various styles of leadership. (CO1, K2) 4
- (3.2) What are the different forms of business ownership. (CO1, K2) 4

Answer any one of the following:-

- (3.3) What are the sources of marketing information? (CO2, K2) 4
- (3.4) Define marketing and discuss its role in the economy. (CO2, K2) 4

Answer any one of the following:-

- (3.5) What are three examples of information system hardware? (CO3, K2) 4
- (3.6) Why technology is important in growth of Business? (CO3, K2) 4

Answer any one of the following:-

- (3.7) What international conventions protect copyright and related rights? (CO4, K2) 4
- (3.8) What categories does IP fall into? (CO4, K2) 4

Answer any one of the following:-

- (3.9) Why is IBC approval required for the use of transgenic animals? (CO5, K2) 4
- (3.10) Write a short note on Biosafety level-II (CO5, K2) 4

SECTION-C

35

4. Answer any one of the following:-

- (4.1) Bring out the concept of entrepreneurship. Explain the stages in entrepreneurial process in detail. (CO1, K3) 7
- (4.2) Explain the steps in launching of small business. (CO1, K3) 7

5. Answer any one of the following:-

- (5.1) Is marketing a social process? Discuss its feature. (CO2, K3) 7
- (5.2) What is the importance of relationship marketing? (CO2, K3) 7

6. Answer any one of the following:-

- (6.1) Are new organizational management concepts proposed in scientific publications 7

used in enterprises? (CO3, K3)

- (6.2) What are the problems and thesis proposed in the field of: Good governance in business? (CO3, K3) 7

7. Answer any one of the following:-

- (7.1) What are ethical issues involved with GMOs? Discuss with few examples. (CO4, K3) 7

- (7.2) Discuss the legal and socioeconomic impacts of biotechnology. (CO4, K3) 7

8. Answer any one of the following:-

- (8.1) Discuss spill protocols and waste disposal precautions of biosafety level 3. (CO5, K3) 7

- (8.2) What are the ethical concerns associated with recombinant DNA technology and human cloning. Formulate ethical guidelines that should govern biotechnology research in these areas. (CO5, K3) 7

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