Roll Number: _____

Thapar Institute of Engineering& Technology, Patiala
(Deemed University)
School of Humanities & Social Sciences
Auxiliary Exam Examination-2024

Auxiliary Exam	Course Code: UHU-005
	Course Name: Humanities for Engineers
28th February 2024	Day and Time: Thursday, 5:30 PM
Time: 2 Hours, M. Marks: 100	Name of Faculty: Dr. Shilpi Tyagi

Instructions:
- **Answer all the questions.**
- **Assume missing data (if any).**
- **Specify the question attempted and page number on the first page of the answer sheet.**

S.N.	Questions	Marks
Q.1	Explain the law of variable proportions with the help of suitable diagrams. In which stage does a rational producer does the production and why?	[12+8]
Q.2	What is perception? Briefly discuss the three significant determinants of perception with the help of suitable examples.	[20]
Q. 3	A. Suppose Modern Merchandise, Inc., makes and markets do-it-yourself hardware, housewares, and industrial products. The company's new Aperture Miniblind is winning customers by virtue of its high quality and quick order turnaround time. The product also benefits because its price point bridges the gap between ready-made vinyl blinds and their high-priced custom counterpart. In addition, the company's expanding product line is sure to benefit from cross-selling across different lines. Given the success of the Aperture Miniblind product, Modern Merchandise plans to open a new production facility near Beaufort, South Carolina. Based on information provided by its chief financial officer, the company estimates fixed costs for this product of INR 50,000 per year and average variable costs of: $$AVC = INR\ 0.5 + INR\ 0.0025Q,$$ where AVC is average variable cost (in INR) and Q is output. (i) Estimate total cost and average total cost for the projected first-year volume of 20,000 units. (ii) An increase in worker productivity because of greater experience or learning during the year resulted in a substantial cost saving for the company. Estimate the effect of learning on average total cost if actual second-year total cost was INR 848,000 at an actual volume of 20,000 units.	[5+5]
	B. Explain the components of Emotional Intelligence and their significance in personal and professional life. Add examples in support to your answers.	[10]
Q. 4	A. Explain classical learning theory with the help of real-life examples. Highlight the differences between classical conditioning theory and operant conditioning theory.	[10]
	B. "Creativity is just intelligence having fun." Analyze this statement with respect to the three types of creativity and the creative process.	[10]
Q. 5	"The human's being right to do as he pleases without interfering with someone else's rights is a formula defining rights prior to social legislation." In the light of the above statement, Explain the six stages of moral development as propounded by Kohlberg.	[20]

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