

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020

Subject Code:3151507

Date:03/02/2021

Subject Name:Industrial psychology

Time:10:30 AM TO 12:30 PM

Total Marks: 56

Instructions:

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Industrial Psychology is a science: Justify with characteristic approach.	03
	(b) What is Industrial Psychology test? How it is carried out?	04
	(c) Discuss: (i) Job Diagnostic survey (ii) Minnesota satisfaction Questionnaire	07
Q.2	(a) Discuss: Illumination Studies	03
	(b) Discuss: Relay Assembly test room study	04
	(c) Discuss Taylor's four principles of scientific management.	07
Q.3	(a) Discuss: Traits theory	03
	(b) Discuss: Behaviouristic theory	04
	(c) Demonstrate different methods of measuring morale.	07
Q.4	(a) Demonstrate Goal Setting theory of motivation.	03
	(b) Demonstrate Self Efficacy Theory of Motivation.	04
	(c) Discuss factors of Motivating and Non Motivating factors.	07
Q.5	(a) Discuss Characteristics for effective leadership.	03
	(b) Explain four stage model of group development.	04
	(c) Discuss the causes and remedies of industrial fatigue.	07
Q.6	(a) Discuss Sociometry and Social Obligation of work group characteristics.	03
	(b) What do you understand by Group Dynamics? Elucidate.	04
	(c) Polls often conduct pre-election surveys by telephone. Could this bias the results? How? What if the sample is drawn from the telephone directory?	07
Q.7	(a) "Best Action of the leader depends on a range of situational factors". Justify	03
	(b) Discuss: (i) Central tendency (ii) Variability (iii) Normal curves	04
	(c) How illuminations affect the efficiency of worker? What are the difficulties that come from illuminations and advising tips for reducing that difficulty?	07
Q.8	(a) Discuss the features of correlation coefficient.	03
	(b) Describe the Chi- Square test with its structure.	04
	(c) Discuss: Chance Error and Bias in sampling	07
