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 Sociometery 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**

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