GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–V (NEW) EXAMINATION – WINTER 2023

Subject Code:3151507   **Date:13-12-2023**
Subject Name: Industrial psychology
Time:10:30 AM TO 01:00 PM   **Total Marks:70**
Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Simple and non-programmable scientific calculators are allowed.**

			MARKS
Q.1	(a)	Define industrial psychology.	03
	(b)	What is the importance of understanding psychology in industry?	04
	(c)	How the psychological test is carried out in industry? Explain with example.	07
Q.2	(a)	Define job satisfaction.	03
	(b)	What is group dynamic?	04
	(c)	Discuss the causes and remedies of industrial fatigue.	07
		OR	
	(c)	Write a short note on different methods of measuring morale.	07
Q.3	(a)	What is organization culture?	03
	(b)	Distinguish between reliability and validity.	04
	(c)	Explain recruitment and selection in industry.	07
		OR	
Q.3	(a)	What is safe work environment?	03
	(b)	Write a brief note on performance appraisal.	04
	(c)	What are consequences of industrial accidents?	07
Q.4	(a)	Define personality assessment.	03
	(b)	What are behavioral and social learning approach?	04
	(c)	Write a brief not on performance management.	07
		OR	
Q.4	(a)	Define fatigue.	03
	(b)	Why the training is required for employees?	04
	(c)	Write a brief note on importance of psychological research.	07
Q.5	(a)	What is hypothesis?	03
	(b)	Define median.	04
	(c)	Describe a methods of testing mean of sample with respect to population when standard deviation is unknown.	07
		OR	
Q.5	(a)	Explain hypothesis testing.	03
	(b)	Define central tendency.	04
	(c)	Explain Chi Square Test in detail.	07

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