

CONTENTS

PREFACE	xvii
PART ONE BACKGROUND	
I Work	3
Overview	
<i>Introduction</i>	3
Towards a definition. Personality and employment role. Functions of work.	
<i>Work down the centuries : an historical analysis</i>	9
The Greeks. The Hebrews. The early Christians. The Christians of the Middle Ages. The Protestant ethic. Karl Marx and alienation. Scientific management. The Hawthorne view. The contemporary scene. Conclusion.	
<i>Analysing work roles</i>	18
A clarification of terms. The purposes of job analysis. Methods of job analysis. Glacier concepts.	
<i>Work, job analysis, and change</i>	26
<i>References</i>	27
PART TWO GUIDANCE AND SELECTION	
2 Personality	31
Overview	
<i>Introduction</i>	31
<i>Informal and general theories</i>	32
Economic man. Social man. Self-actualizing man.	
<i>Formal theories of personality</i>	35
The concept of personality. Characteristics of personality theories. Holistic and trait theories. A Holistic theory of personality: A. H. Maslow. G. W. Allport: a theory of personal dispositions and common traits. Trait theory, factor analysis, and R. B. Cattell. Types of traits. The trait	

CONTENTS

approach in guidance and selection. Predictive and construct validity.	58
<i>References</i>	58
3 Human Abilities	59
Introduction and overview	
<i>Faculty psychology</i>	60
Theory. Practical applications for occupational guidance and personnel selection.	
<i>Correlation and factor analysis</i>	62
<i>Spearman's two-factor theory</i>	68
Theory. Practical applications for occupational guidance and personnel selection.	
<i>Hierarchical group factor theory</i>	72
Group factors. Basic theory. Major and minor group factors. General points. Abilities and work. Practical applications for occupational guidance and personnel selection.	
<i>Primary mental abilities</i>	81
Theory. Practical applications for occupational guidance and personnel selection.	
<i>Guilford's structure-of-intellect model</i>	86
Theory. Practical applications for occupational guidance and personnel selection.	
<i>References</i>	90
4 Human Motivation	91
Overview	
<i>Introduction</i>	91
Interaction within personality. Interaction between personality and the environment.	
<i>Motives and needs</i>	93
Introduction. The concept of general drive. Needs and functions. The work of Anne Roe. The assessment of motives and needs.	
<i>Motivational traits</i>	100
Introduction. Attitudes, values, and interests. Trait-elements and the actuarial method. The relationship of trait-elements within the personality. Temperamental and dynamic traits (personal dispositions, source traits, common traits), and work. Values and work. Interests and work.	
<i>Conclusion</i>	117

CONTENTS

Personality and occupation. Schemes for analysing the individual and work.	122
<i>References</i>	122
5 Techniques of Personality Assessment and Measurement	125
<i>Introduction</i>	125
Reliability and validity. Overview, and four general points.	
<i>Assessment plans</i>	129
The seven-point plan. Munro Fraser's five categories. Conclusion.	
<i>The interview</i>	134
Introduction. Reliability. Validity. The useful interview.	
<i>Tests of ability</i>	144
Testing	
<i>Interest inventories</i>	146
The Kuder preference record (vocational). Conclusion.	
<i>Value questionnaires</i>	151
The study of values. Conclusion.	
<i>Application forms</i>	155
<i>References</i>	158
6 Occupational Guidance and Vocational Counselling	160
Overview	
<i>Occupational guidance</i>	160
A case study. Occupational guidance—a trait appraisal of people and jobs. An experiment in guidance. The theory and practice of occupational guidance.	
<i>Vocational counselling</i>	169
Holism and the whole person. A case study. The whole person and a decision on work. The concept of self. Life stages, work, and continuous counselling. Non-directive counselling and the growth of self. The developmental method and work. Vocational counselling in practice.	
<i>Conclusion</i>	178
<i>References</i>	180
7 Personnel Selection	181
<i>Introduction</i>	181
Overview. Theory in selection.	
<i>A study in selection</i>	182
Background information. The investigation. Causes of failure in the job. The new procedure. Discussion.	

CONTENTS

<i>A selection procedure</i>	185
<i>A second study in selection</i>	186
Introduction. Selection in the small organization, and synthetic validity. The study.	
<i>Criteria in selection</i>	189
Introduction. The criteria for criteria.	
<i>Selection and the organization</i>	192
The individual and his environment. Selection criteria and organizational goals.	
<i>Explanation in selection</i>	194
Non-linear relationships in selection. Explaining non-linear relationships. Explanation and construct validity in selection.	
<i>References</i>	200
PART THREE TRAINING	
8 The Organization and Training	203
Overview	
<i>A framework for considering the training of the individual in the organization</i>	203
<i>The channels of training</i>	206
<i>Policy</i>	207
<i>The technology of training</i>	209
A procedure for developing a training procedure. Explanation. A second procedure for developing a training procedure.	
<i>Motivation of the individual</i>	216
Compliance. Identification. Internalization. A model of motivation and learning in an organization.	
<i>References</i>	224
9 Learning Theory	225
<i>Introduction</i>	225
Definitions. Overview.	
<i>Connectionist theories</i>	226
E. L. Thorndike (1874-1949). E. R. Guthrie (1886-1959): Contiguous conditioning. The anti-theory of B. F. Skinner.	
<i>A connectionist model for skills training</i>	236
Cue. Force. Prompt. Reinforcement.	
<i>Cognitive theories</i>	239
Learning in Gestalt psychology. Tolman's purposive behaviourism.	

CONTENTS

<i>Proposals for a cognitive model of management and supervisory education and training</i>	246
Schemes and strategies. Schemes and strategies as a basis for management and supervisory training.	
<i>References</i>	249
10 Factors in Learning	250
Overview	
<i>Knowledge of results</i>	250
Introduction. Some studies. Knowledge of results as a prompt. Conclusion.	
<i>Guidance</i>	255
Introduction. Some studies. Conclusion.	
<i>Practice</i>	259
Introduction. Speed and accuracy; whole and part. Massed versus distributed practice. Activity learning. Conclusion.	
<i>Sequence and order of material</i>	264
<i>Motivation</i>	266
<i>Transfer of training</i>	267
<i>Understanding</i>	271
<i>Conclusion</i>	272
<i>References</i>	274
11 Induction	276
Overview	
<i>Introduction</i>	276
<i>Induction, socialization, and the group</i>	277
<i>Induction, socialization, and morale</i>	279
<i>Induction, socialization, and the nature of management influence</i>	280
<i>References</i>	285
12 Supervisory and Management Training and Development	286
Overview	
<i>Introduction</i>	287
<i>Approaches to supervisory training</i>	291
<i>Common-skills supervisory training</i>	293
A human relations training programme. Common-skills training and effective job performance.	
<i>Supervisory training based on job analysis</i>	297
Analysis of the overall system. Organizational solutions to	

CONTENTS

supervisory problems. Job description and task analysis. Specification of knowledge and skill requirements. Determining the capabilities of trainees. Statement of training requirements. Development of appropriate training methods. Training course evaluation.	
<i>Management training and development</i>	304
Introduction. Training for role 1. Role 2. Management development. Training and development.	
<i>Methods</i>	308
Lecture. Seminar. Case Study. Project. T-Groups. Role-playing. A connectionist evaluation of methods. A cognitive evaluation of methods.	
<i>References</i>	319
13 Training in Skills	320
Overview	
<i>Introduction</i>	320
Skill training and the connectionist tradition	
<i>Skills analysis</i>	322
<i>T. F. Gilbert's mathetics</i>	326
The process of mathetics. Retrogression through the basic exercise model. Conclusion.	
<i>References</i>	334
14 Conclusion Work Problems	335
Overview	
<i>Introduction</i>	336
Alloys Ltd, a case study. Guidance, selection, and training.	
<i>Alternative units of analysis and other approaches</i>	340
<i>An integration of approaches</i>	342
Solving work problems. The repercussions of selection and training in the organization.	
<i>A framework for considering alternative approaches</i>	347
The socio-technical system. Open systems. Goals of the organization. The framework.	
<i>References</i>	354
APPENDIX	355
Sources of tests and inventories	
INDEX	357