

Indian Institute of Teacher Education

Gandhinagar

Subject	Education	Paper No	102	Compulsory/Optional	Compulsory	
Title of the Paper :	Psychological Foundation of Education – 1					
Credit	2+2					(30+30 Hours)

Objectives

- 1 To enable the students to understand concept and process of educational psychology as an applied science.
- 2 To acquaint the learner with the process of development and assessment.
- 3 To enable the learner to understand implications of psychological theories of learning.
- 4 To make the students understand the concept of learning acceleration, learning curve and plateaus of learning curve and their educational implications.
- 5 To enable the students to understand theories of motivation and their educational implications.
- 6 To make the students to understand the concept of information processing.
- 7 To make the students to apply knowledge of psychology in their personal & cognitive development.

Mode of Curriculum Transaction

- 1 Assignment
- 2 Project work
- 3 Face to face interaction with counselor
- 4 Group discussion
- 5 Survey study

Unit	Sub-unit	Content	Credit
		Educational psychology & cognitive Development	
1	1.1	Educational Psychology: <ul style="list-style-type: none"> • Definition of Psychology • Concept, Nature and scope of Educational Psychology • Psychology of Instruction: Meaning and its Nature 	1
	1.2	Growth and Development <ul style="list-style-type: none"> • Definition, Meaning & Characteristics of Growth & Development • Principles of Development • Factors Influencing Development 	
	1.3	Stages of Development <ul style="list-style-type: none"> • Characteristics of each stage • Problems of Adolescence Period 	
	1.4	Piaget's Theory of Cognitive Development <ul style="list-style-type: none"> • Terminologies : Schema, Cognitive Structure, Reflexes, Organization, Assimilation, Accommodation • Stages of Cognitive Development • Educational Implications of Cognitive Development 	

Unit	Sub-unit	Content	Credit
2	2.1	Learning and Motivation <ul style="list-style-type: none"> • Definition and Characteristics of Learning • Gagne’s Hierarchy of Learning: Types and Conditions 	1
	2.2	Learning Curve <ul style="list-style-type: none"> • Meaning, Types, Characteristics & Educational Implications of Learning Curve • Plateaus in Learning Curve; Causes of Plateaus in Learning Curve; Suggestions to Remove Plateaus of Learning Curve 	
	2.3	Motivation <ul style="list-style-type: none"> • Meaning and factors affecting motivation • Role of motivation in learning • Maslow’s self actualization theory 	
	2.4	Transfer of Learning <ul style="list-style-type: none"> • Theories of transfer of learning • Educational implication 	
3	3.1	Learning Theory of Thorndike (Trial & Error) <ul style="list-style-type: none"> • Puzzle Box Experiment • Laws of Learning and its educational implications 	1
	3.2	Pavlov’s Classical Conditioning Theory of Learning: <ul style="list-style-type: none"> • Experiment, • Process • Findings and Educational Implications 	
	3.3	Bandura’s Theory of Social Learning <ul style="list-style-type: none"> • Meaning and Essentials of Social Learning • Bobo Doll Experiment • Social Learning Process • Educational Implications 	
	3.4	Bruner’s Theory of Discovery Learning <ul style="list-style-type: none"> • Meaning and types of Concept • Meaning of Discovery Learning • Steps and educational implication 	
4	4.1	Hull’s Drive Reduction Theory of learning <ul style="list-style-type: none"> • Four Level Learning Theory • Postulates for Learning • Educational Implications 	1
	4.2	Tolman’s Sign Gestalt Theory of learning <ul style="list-style-type: none"> • Meaning of Sign – Gestalt Theory • Types of learning • Laws of Learning • Educational Implications 	
	4.3	Information Processing <ul style="list-style-type: none"> • Levels of information • Model of Information processing • Educational Implications 	
	4.4	Constructivism <ul style="list-style-type: none"> • Concept & Characteristics • Role of teacher in constructivist learning 	

Unit	Sub-unit	Content	Credit
		<ul style="list-style-type: none"> Educational Implications 	

Reference Books:

English

Sr. Title

- 1 Agrawal, J. C. (1994). **Essentials of Educational Psychology**. New Delhi : Vikas Publishing House Pvt. Ltd.
- 2 Anderson, J. (1990) **Cognitive Psychology and its Implications (3rd ed.)**. New York : Freeman.
- 3 Asthana, Bipin. (2009) **Measurement and Evaluation in Psychology & Education**. Agara : Agrawal Publications.
- 4 Bandura, A. (1977) **Social Learning Theory : Upper Saddle River**. New Jersey : Prentice Hall.
- 5 Bruner, J. (1966) **Toward a Theory of Instruction**. New York : Norton.
- 6 Bruner, J. (1977) **Relevance of Education**. New York : Norton.
- 7 Chauhan, S. S. (1978) **Advanced Educational Psychology**. New Delhi : Vikas Publishing House Pvt. Ltd.
- 8 Dandpani, S. (2007) **A Textbook of Educational Psychology**. New Delhi : Anmol Publications Pvt. Ltd.
- 9 Gagne, R. M. (1985) **The Conditions of Learning and a Theory of Instruction (4th ed.)**. New York : Holt, Rinehart and Winston.
- 10 Kohlberg, L. (1981) **Philosophy of Moral Development**. New York : Harper and Row.
- 11 Mangal, S. K. (1987) **Educational Psychology**. New York : John Wiley and Sons.
- 12 Maslow, A. (1970) **Motivation and Personality, (2nd ed.)**. New York : Freeman.
- 13 Mayer, R. (1987) **Educational Psychology, A Cognitive Approach**. Boston : Little, Brown.
- 14 Mathur, S. S. (2009) **Educational Psychology**. Agara : Agrawal Publications.
- 15 Piaget, J. (1965) **The Moral Judgement of the Child**. New York : Free Press.
- 16 Piaget, J. (1952) **Origins of Intelligence in Children**. New York : International Universities Press.
- 17 Thakur, A. S. & Sandip, Berwal (2013) **Development of Learner and Teaching – Learning Process**. Agra : Agrawal Publications.
- 18 Tolman, E. C. and Honzik, C. H. (1930) **Maze Learning in Rats - Maze Performance in Rats**. California : University Publications.
- 19 Tolman, E. C. (1932) **Purposive Behaviour in Animals and Men**. New York : Century.

Gujarati

- 1 દેસાઈ, કે.જી., સીટી, ભોપતકાર અને જે.કે શાહ, (૧૯૮૧) mnovEāaink pir-aqa Ane iv-avna. અમદાવાદ યુનિવર્સિટી :ગ્રંથ નિર્માણ બોર્ડ.
- 2 ડોંગા, નાનુભાઈ, (૨૦૦૭) (i=x8nu& mnoivāan, નિજીજન સાયકો સેન્ટર.. રાજકોટ
- 3 શાહ ગુણવંત, (૧૯૭૮) A)yyn imma&sa. નિજીજન સાયકો સેન્ટર.. રાજકોટ
- 4 શુક્લ, સતીષપ્રકાશ (૨૦૧૦) =Exi8k mnoivāan. આગરા :અગ્રવાલ પ્રકાશન.
- 5 શુક્લ, સતીષપ્રકાશ. (૨૦૧૨) A)yeta : SvEp Ane ivkas. Agra : આગરા :અગ્રવાલ પ્રકાશન.

Hindi

- 1 Pathak, P. D. (2009) **ix9a mnoiv)an**. Agra : Agrarwal Publications.
- 2 Pathak, P. D. (2008) **indeRxn Ov. pr amxR**. Agra: Vinod Pustak Mandir.
- 3 Sharma, Rakesh & Manisha, Joshi (2011) **Ai2gmktaR ka ivkas Ov. ix9` Ai2gm p/içya**. Agra : Agrarwal Publications.