

Spring Semester Examination 2021
Paro College of Education
Royal University of Bhutan
Paro

Module: PED521 (Understanding Learners and Learning)

Program: M.Ed (Social Studies, English, Inclusive Education, Mathematics and Science)

Year I

Semester 1

Writing Time: Three Hours

Full Marks: 100

Instructions: Do not write during the first 15 minutes; use this time for reading the questions. You will get full three hours for answering the questions. Write the answers to all the questions in the answer sheets provided by the college. Read the Instructions for each section and each question carefully before answering them.

SECTION A
Multiple Choice Question – 20 Marks

Question 1

(10X2=20)

Direction: Each question/statement in this section is followed by four possible choices of answers. Choose the most correct answer and write the letter of that correct answer against the number of each question/ statement on your answer paper.

1. All the statements listed below are true of “learning” EXCEPT:
 - a) Through out our lives we learn.
 - b) Everyone is capable of learning.
 - c) Learning can be easily measured.
 - d) Learning begins 17 to 18 days after conception.

2. Which theory listed below relates best to the ‘factory model of education’?
 - a) Humanism
 - b) Cognitivism
 - c) Behaviorism
 - d) Constructivism

3. The brain matures:
 - a) At the same time
 - b) Top down and towards the neck
 - c) From the front towards the back
 - d) Bottom up and around to the front

4. Neuroplasticity is a phenomenon of the brain that is made possible by all the factors listed below EXCEPT:
- a) Genes
 - b) Culture
 - c) Education
 - d) Environment
5. The critical pedagogy movement was initiated by:
- a) Carl Rogers
 - b) Paulo Freire
 - c) B.F Skinner
 - d) Abraham Maslow
6. Most of the knowledge today's five-year-old child will need in the twenty-first century has not been invented yet therefore we educators need to focus on the:
- a) Curricula content
 - b) Intrinsic reward system
 - c) Transmission of learning
 - d) Access to new knowledge and information
7. Pre-frontal lobes are known as the:
- a) memory boxes
 - b) chief executive officers
 - c) emotional region of the brain
 - d) combination of the amygdala and the hippocampus
8. A fundamental aspect of teachers making a difference in the lives of their students is the notion of their development as reflective practitioners as said by:
- a) Jean Piaget
 - b) Donald Schon
 - c) Lev Vygotsky
 - d) Paul Ramsden
9. When the Broca's area myelinates, children are able to develop:
- a) Strong emotions
 - b) Memory and recall
 - c) Speech and grammar
 - d) Hand and eye coordination
10. The four Cs that are recommended for the 21st century learners are:
- a) Competency, collaboration, communication and creativity
 - b) Competition, critical thinking, communication and creativity
 - c) Collaboration, critical thinking, communication and creativity
 - d) Collaboration, cognitive thinking, communication and creativit

SECTION B
Short Answers - 20 Marks

Question 2

(5X4=20)

Direction: From the seven concepts given below choose **FIVE** and write two critical attributes that characterize the concept.

- a) Neurogenesis
- b) Learning-windows
- c) Learning communities
- d) Schooling for an industrial age
- e) Learning is both a product and a process
- f) Taken-for-granted assumptions of learning
- g) From a neuroscientific standpoint – learning is actually a ‘use or lose it’ process

SECTION C
Questions- 60 Marks

Question 3

(6 X 10 = 60)

Direction: Choose **6 of the statements/questions** given below. Provide **analytical explanations** and **examples** for each of the statements in not more than **200-300 words**. Understand the statements before you start to write so that you can make the best use of the word limit.

- a) Goldman’s (1995) emphasis on emotional and social intelligences was a groundbreaking neurological and behavioral research particularly for educators.
- b) There is mounting evidence that today’s students have a very different relationship to information and learning compared with previous generations (Churchill et al, 2016).
- c) Each year we gain greater understanding of how motivation works and how the emotional part of the brain plays an integral role in energizing or limiting motivation in students.
- d) Rewards can have the same emotional impact as punishment by engaging a stress response that is not conducive to higher cognitive functioning.
- e) A class three child misbehaved in class and the teacher sent him out of the classroom for the whole period. What is your reaction to this incident?
- f) You are given the opportunity to change some things in the present primary curriculum and pedagogies – list down five changes that you would make under each column. Eg.

Curriculum	Pedagogy

- g) Describe five new things that you would do that would contribute to a positive learning environment for the children in your school.

h) Critically analyze the dichotomy between proactive planning and reactive discipline.

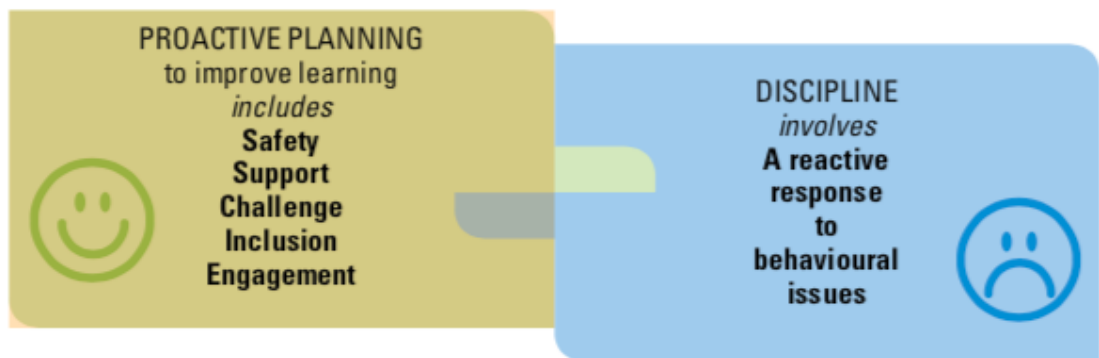


Figure 9.1: The dichotomy between proactive planning and reactive discipline