New BEd S	yllabus
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3,	Understand about assessment and evaluation	related	to
	mathematics teaching-learning.		
4.	Apply the Concept of Pedagogical analysis of mathema	aticscont	ent
	of school level mathematics curriculum and learning	ng design	ing

5. Understand about Simulated and integrated lesson **COURSE CONTENT/SYLLABUS**

Unit-l

Unit-II

Unit-III

Unit-IV

Mathematics curriculum and Text-book preparation: Review of the existing curriculum of mathematics of West Bengal Board of Secondary Education in the perspective of the principles of curriculum construction and its comparison with that of the CBSE. Review of the existing text books of mathematics of West

Bengal Board of Secondary Education in the perspective of the principles of text-book preparation and its comparison with that of the CBSE. Practical activities associated with Mathematics concepts: 7 hrs.

 Performance of the all the practical activities states in the text books of West Bengal Board of Secondary Education and preparation of allied teaching-learning materials.

• Co-curricular activities (including Mathemat is club and Mathematics laboratory) in relation to mathematics teaching.

Assessment and Evaluation related to teaching -learning 7 hrs.

of Mathematics: Construction of achievement tests and their administration Preparation of a Continuous and Comprehensive Evaluation plan for a particular class (VI to X).

Pedagogical Analysis: Concepts and Methods of Pedagogical Analysis;

 The Pedagogical knowledge of the content from various classes (Class - VI to VIII, IX-X, XI- XII) on the following items

· Breaking of Unit into Sub-unit with no. of Periods

Previous knowledge;

Instructional Objectives in behavioural terms;

Sub-unit wise concepts

◆ Teaching-Learning Strategies

Use of teaching aids

Blueprint for criterion reference test items.

198	Construction of achievement tests and their administration. Preparation of a continuous and comprehensive evaluation plan for a particular class (VI to XII).	
Unit-V	Practicum & Activities in Science: Importance of science activities Planning & Organization offield trip, project work, science quiz, excursion, science exhibition, science fair, aquarium, bird watching etc. Formation and activities of Science club in school.	6 hrs.
Engagement with the Field/	Any one of the following: One Pedagogical Analysis Survey of Science Laboratory in a school. Eyolving suitable technique(s) to evaluate laboratory work. Visit to Community Science Centre, Nature Park and	32 hrs.
Practicum	Science City One Achievement Test Construction Conducting of Action Research for selected problems	
Mode of Transaction	Lecture, Discussion, Demonstration, Fieldtrip, Presentat students in pedagogy of school subjects, illustrations on or based methodology may be provided	ion b

: Bengali Version Course-VII-(B) (1.3.78)

বিজ্ঞান শিক্ষণের পন্ধতি ও প্রয়োগ (জীবনবিজ্ঞান)

দেবীপ্রসাদ নাগ টোধুরী > ভ. সুজিত পাল > অগ্রান গার্গালি > ভ. মিতা হাওলাদার

বিজ্ঞান শিক্ষণের পদাতি ও প্রয়োগ (ভৌতবিজ্ঞান)

৬. প্রতাপ কুমার জানা
 ৬. সূভাষ্টপ্র ভটি
 কুমানকুর দে

Course-VII- (B) (1.3.7B)	Pedagogy of a School Subject Part-II	Theory 50	Engagement With the Fleid 25+75*	Class Hours	2+ (1+3) 32+ (32+96)
Objectives	The student teachers will be able to: 1. Know about Mathematics curriculum and text-book preparation 2. Know how does Practical activities associated with mathematic concepts				

6 hrs.