SREE NARAYANA TRAINING COLLEGE, NEDUNGANDA

DOCUMENTARY EVIDENCE OF THE ACTIVITIES SHOWING INSTITUTIONAL OPPORTUNITIES FOR DEVELOPING COMPETENCIES AND SKILLS IN DIFFERENT FUNCTIONAL AREAS

1. Organizing Learning (Lesson Plan)





Discussion Class

Demonstration Class

	LESSON PLA	N
Name of the -	teacher: OKShaya·K	Name & the school:-
Subject	: Basic Science	Std & Div: VIII
Unit	: Fibres a plastics	Quation: 30 minute
8ub unit	: Plastic	Poste :-
CONTENT AND	LVSIS	their participation in group skills.
Insu	lators, monomer, cross links,	emosetting plastic, pvc, conductor, physical echemical Change.
) FACTS:- (1) Plast	his are synthetic poymers.	on that of fibres.
(III) KAKE	llite is the first astificial p lite is the first astificial p lics are bad conductors of he lics do not search with water	clastic.



(VI) Based on Changes occurring while heading, plastics are classified into a.

3) CONCEPT: Plastic, Theemosething & theemo plastic.

4) DEFINITIONS

(i) Theimoplastic: -Theimoplastics are defined as plastic that gets softened on heating a hardened on cooling. This process can be repeated any number of times.

(ii) Thermosetting plastic: Thermosetting plastics are defined as those plastic color remains soft when heated during its manufacture of gets hardened permanently on cooling. Once hardene they cannot be remoulded by heating.

* LEARNING OBTECTIVE CIRID

Objective area	Anticipated mental process/ Action Vest	Product Outcome.
1) Remembering 2) Understanding 3) Applying A) Analysing 5) Evaluating 6) Creating	Recalls, Tell Compare Identify Categorize, List, Distinguish Explain, Compare, Conclude Compile	Facts Definitions, Fact Concept, Fact, Definition Fact, Definition. Definition, Fact. Definition, Fact.

* TEACHING LEARNING RESOURCES	
→ Materials - Chalk, board, Plastic cover, plastic mug, plastic bottle, Switch board, p melamine, plate, Bakellite handle, electric corre, sanitzer bottle. → Audio - Visual Aids: - Activity and containing situations in which plastic are Used? Chart with a definition.	VC pipe
* AMITUDES TO BE DEVELOPED	
Chainsity, openmendedness, Questioning-	
* PROCESS SKILLS TO BE ATTAINED	
Observing, Infering, Classifying. * Expected PRODUCT: - Completed activity card.	

Students already Know about conductors q insulators and also knows about physical q chemical change.

* CLASSROOM INTERACTION PROCEDURE

Pupil RESPONSE * + PRE REQUISITE.

INTRODUCTION with a plastic cover: The teacher enters the class , and asks about the well being of the students. the teacher asks displays few Hems on the table and asks the students whether they Know the items on the table. She asks the students identify a common

The teacher then explains the acasen for this behaviour of plastic and briefly explains. The concept of Structure of plastics. The teacher then draws two columns on the board and asks the students to categorize the items on the teacher as themso plastic of theems setting plastic and also asks the Students to note them down on their bote books. After classifying them, the teacher asks the students to distinguish between them and to state few other difference between the troo.

The teacher feether adds that theemoplastic indugo physical change on hearting oshere as themosetting plastic undergo chemical change along with physical change.

The teachers asks the students again, cohether all the items tiept on the table ment down

The cleacher then says that now we have identified two clypes of plastic, based on their meachin tocoards heat.

The deacher other explains the Corrept of Theemo plastic of their setting plastic. and shows the students chart containing definition about them, and asks two others to sead both the definitions.

- The smoplastic: The smoplastics are defined as plastic that gets softened on hearing of hardened on cooling.
- Thermosetting plastic: Thermosetting plastics are algebraed as those plastic which nermains soft when heated during its manufacture a gets hardened permanently on cooling.

Narayong Training

Nedunical Solution (Solution)

CONSOLIDATION

After Summarizing the above concepts, the teacher Proceeds to the Review Session.

* REVIEW

- (1) List out few characteristics of plastics. (2) Can all plastic be reheated any number of times?
- (3) what is theemoplastic?
- 4) hive one example for theemo Setting plastic.
- 5) hive one difference between theemosetting a theemoplastic

+ FOLLOW UP ACTIVITY

The teacher asks the students compile more examples of the emoseting and the moplastic from day to day life and categorize them. The teacher also asks them to find out major disadvantage of plastic of note it down on scrence disag.

* BLACK BOARD SUMMARY

2. Developing Teaching Competencies





School Induction





School Internship

2. Assessment of Learning

Sample Question Paper of Mid Semester Exam for Semester 1 & III

SREE NARAYANA TRAINING COLLEGE, NEDUNGANDA FIRST SEMESTER B.Ed. DEGREE MODEL EXAMINATION, JUNE 2022

EDU 04.8: THEORETICAL BASE OF PHYSICAL SCIENCE EDUCATION

PART- A

Time: 2 Hours

Max. Marks: 50

Choose the correct answer. Answer all questions. Each question carries one mark.

1. Who proposed the quantum theory for tachyons?

a) M. N. Saha

b) E. C. G. Sudarshan

c) P. C. Ray d) C. V. Raman 2. 'Truth is beauty'- This statement is closely related to which value of science?

b) Aesthetic value

c) Disciplinary value

d) Moral value

3. Which of the following is not a technique of teaching?

a) Debate

b) Dalton Plan

c) Simulation

d) Role play

4. Deductive Reasoning is also known as a) Top down approach

b) Bottom down approach

c) Top up approach

d) Bottom up approach

5. If a teacher thinks over his/ her own teaching practices and analyses them, the

a) Good Scaffolder

b) Good Mentor

c) Good Reflective Practitioner

d) Good Supervisor

PART- B

Answer all questions. Answer in a word or sentence. Each question carries one mark.

- 6. Name any one famous Indian woman scientist and give any one of her contributions to science.
- 7. What is skepticism?
- 8. Define learning based on constructivism.
- 9. Give an example of positive transfer of learning.
- 10. Who is the father of Indian Chemistry?

(5x1=5 Marks)

PART- C

Answer all questions. Answers should be very brief and to the point. Each question carries two marks

- 11. List any four characteristics of the role of teacher as a mentor.
- 12. Distinguish between the product and process aspects of science.
- 13. List the integrated process skills in science.
- 14. State the method of concomitant variations in Mill's canons of induction with an example.
- 15. What is 'buzz session'? Why is it called so?

(5x2=10 Marks)

PART- D

Answer any four questions. Each question carries five marks.

- 16. Bring out the role of science in sustainable development.
- 17. Explain the concept of objective based instruction.
- 18. Describe brainstorming as an effective method of teaching science.
- 19. What is Problem Solving method? Explain the steps involved.
- 20. Explain the concept of Virtual Learning Environment (VLE). 21. Describe the basic teaching model by Glaser.
 - (4x5=20 Marks)

PART- E

Answer any one question. Each question carries ten marks.

- 22. The scientific method is a method that could be adopted by students to solve a problem in a systematic way' - Do you agree with the statement? Justify your
- 23. The Bloom's Digital Taxonomy gives educators an excellent framework to begin to assess their digital practices. Substantiate.

(1x10=10 Marks)





Sree Narayana Training College -Nedunganda, Pin: 695307

Sample Question Paper of Model Examination for Semester I

Sample Question Paper of University Examination for Semester II

	(Pa	ages : 3)	M - 5598		
Re	g. No. :				
Na	me :				
	Second Semester B.Ed. Deg	ree Examin	ation, November 2021		
	EDU-09.8: CURRICULUM AN PHYSICAL SC				
	(2019 Adm	ission Onwa	irds)		
Tim	ne : 2 Hours		Max. Marks: 50		
	P	ART – A			
Ch	oose the correct answer. Answer all	questions. Ea	ch question carries 1 mark.		
1.	Beginning from a nucleus the circles of knowledge go on widening. This approach of curriculum organization is known as :				
	(a) Concentric Approach	(b)	Spiral approach		
	(c) Historical Approach	(d)	Topical Approach		
2.	MOODLE was founded and develo	ped by:			
	(a) Martin Douglamas	(b)	Tim O'Reilly		
	(c) Darcy DiNucci	(d)	Dale Dougherty		
3.	The scheme by NCERT to identify and nurture the talented students is:				
	(a) NSTSS	(b)			
	(c) Science Olympiad	(d)	Sasthraposhini scheme		
4.	First aid for alkali burn is:				
	(a) Wash with water and Apply Olive Oil				
	(b) Wash with water and then with Silver nitrate solution				
	(c) Wash with water and then with Sodium bicarbonate solution				
	(d) Wash with water and then with	Lemon juice			
			P.T.O.		

	(a)	Science laboratory	(b)	Playground	5550	
	(c)	Planetarium	(d)	Music Room	Ans	wer
				(5 × 1 = 5 Mark	(s) 16.	"Th with
		F	PART – B		17.	Brie
Ans	swer a	all questions. Answer in one w	ord or sentend	ce. Each question carries 1 ma	rk. 18.	Giv 200
6.	Poir	nt out the features of activity ce	entered curricu	ılum.	993-2	200
7.	Writ	te the full form of ANERT.			19.	Illus
8.	Give	e an example of free, online ac	ademic searc	h engine.	20.	Des
9.	Wha	at is meant by 'topical approac	h' of curriculur	m organization?	21.	
10.	Whi	at is Ptable?				scie
				(5 × 1 = 5 Mark	(S)	
		F	PART - C		Ans	swer
Ans	swer a	all questions. Each question ca	arries 2 marks			_

Which among the following is not an informal science learning context

- 11. What is the significance of Science Exhibitions?
- 12. Explain the role of Science Park as a learning context.
- 13. Briefly explain the role of research in physical science education
- 14. Write a note on 'Edublog'.
- 15. Community based resources provides life related experiences for learners. Substantiate

(5 × 2 = 10 Marks)

M - 5598

PART - D

any four questions. Each question carries 5 marks.

- he spirit of science will be felt only if it is treated historically". Can you agree th this statement? Justify your answer.
- efly explain CASE.
- ve an outline of the nature of Science and science education as given in KCF
- strate with examples the correlation of Physical Science with life and vironment.
- scribe the role of a science teacher as a digital migrant.
- at are the first aids provided for the common accidents that can happen in a ence laboratory?

(4 × 5 = 20 Marks)

PART - E

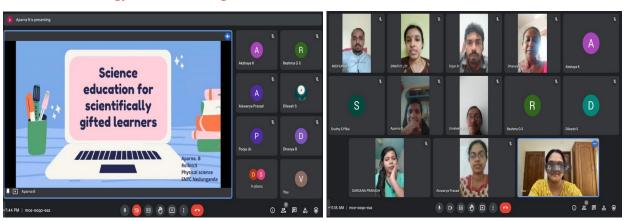
any one questions. Each question carries 10 marks.

- 22. Explain the principles underlying curriculum construction. Give suitable examples from secondary school physical science topics.
- 23. Practical works in the laboratory provides firsthand experience and gives training in scientific method to the learner. How will you organize and maintain a science laboratory in support of this statement?

(1 × 10 = 10 Marks)

M - 5598

3. <u>Technology Use and Integration</u>



ICT Integrated Class

4. Organizing Field Visits



Field Trip for Semester1



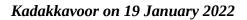
5. Conducting Outreach/ Out of Classroom Activities



'Food and Nutrition Awareness' at SSPBHSS, SSPBHSS,

Training on Paper Bag Making at

Kadakkavoor on 19 January 2022.









6. Community Engagement



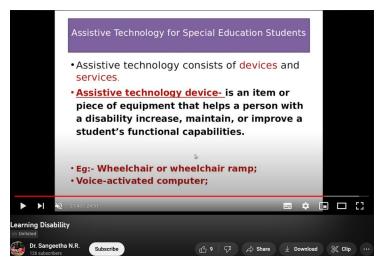
Community Extension Programme in collaboration with Anchuthengu Gramapanchayat in Wards 2 & 6 on 02/05/2022 & 05/05/2022



Flood Relief Activities



7. Facilitating Inclusive Education



Recorded Class (https://www.youtube.com/watch?v=lnukOUuys-s)



Recorded Class (https://youtu.be/yWg723JEgqs)

