

APPENDIX – E

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Classroom Observation Schedule
on
Mathematics Teaching Processes

Date :
Lesson/Topic :
Lesson Unit :
Grade :I.....II.....III.....IV.....V.....
Number of Pupils :
Name of the Teacher (M/F) :
Name of the School :
Area / District :
City / Village :

1. The Mathematics class (a) started at a.m. / p.m. (b) ended at ...a.m. / p.m.
(c) Class duration was Minutes.
2. The teacher had a lesson plan/out line of the plan with him/her. Yes / No
3. Mathematics textbook was used by (a) Teacher / Pupil / both
(b) The mode of using book
4. The lesson was introduced, based on
relevant activity/previous knowledge/arbitrarily / teaching model /
demonstration.
5. Teaching approach was: (i) proceeding from the concrete to abstract. (ii)
' proceeding from specific to general.(iii) proceeding from general to specific.
6. The pupils' participation in classroom activities was:
to a great extent/moderate/very little/not at all.
7. Pupils' response in the class was:
Satisfactory: (i) Correct answer (oral / written / solution to given problem)

(ii) Drawing

Unsatisfactory: (i) Incomplete answer (ii) Wrong answer (iii) Silent

8. Use of language by the teacher

(a) clear / specific words with illustrations / specific words without illustration

(b) not clear because of (i) use of difficult words (ii) use of words not known to children (iii) other than above (some specific action / behaviour of teacher or pupils observed by the observer) such as

9. Audibility of teacher in the class clear/not clear

10. Frequency of blackboard usage always / frequently / rarely / not at all

11. Quality of blackboard work done by teacher

Effectively: (a) appropriateness of content written on blackboard.

(b) organization of teaching points on blackboard.

(c) use of colour chalk to focus underline important points.

Not effectively: (a) inappropriateness of content written on blackboard.

(b) disorganization of teaching points on blackboard.

(c) no use of colour chalk to focus underline important points.

12. Teaching aids used in the class Yes / No

If Yes,

(i) They were appropriate (keeping in mind pupil's age and content matter)

(ii) They were effective (they did enable understanding of difficult concepts)

(iii) What were the pupils' reactions to them

(a) They did observe keenly

(b) They did ask questions frequently

(c) They were able to answer questions posed by the teachers

(d) Any other reaction...

13. Nature of teaching aids used by the teacher

film projector/over-head projector slide projector/
taperecorder/models/charts/diagrams/any

14. The teacher gave some assignments to the pupils to workout in the classroom.

Yes / No.

If Yes, then the specification of the assignment given

- (i) Oral (reading, reciting...)
- (ii) Written (problem solving ...)
- (iii) Others ...

15. The teacher assigned the home task to the pupils Yes / No.

If yes, was the given assignment appropriate in the context of

- (i) content taught
- (ii) age group of the pupils (they did find it too difficult or tedious)
- (iii) interest/liking of the pupils
- (iv) arousing curiosity.

16. The teacher summarized / reviewed the lesson at the end of the class. Yes / No.

If yes, in what manner was summarizing done

- (i) questing
- (ii) problem solving
- (iii) interpreting charts
- (iv) drawing diagrams
- (v) consolidation of major point.

17. The teacher followed the following methods in the classroom:

Methods	Appropriate	Interesting	Involvement of pupils	Minutes
Lecture				
Discussion				
Question – answer				
Team teaching				
Discovery approach				
Demonstration				
Play way method				
Problem - solving				