Module III

Projected Aids

Unit 6

Overhead Projector

Instructional Objectives:

- 1. Differentiate overhead projector from other types of projectors.
- 2. Identify the parts of an overhead projector.
- 3. Name the part of the overhead projector which helps to adjust the image on the screen.
- 4. State the maximum and minimum sizes of objects/ transparencies that can be projected with an overhead projector.
- 5. Demonstrate how transparencies are located on the projection stage.
- 6. Indicate the kinds or types of objects that can be projected using an overhead projector.
- 7. Determine the projector distance from the screen to set up the overhead projector.
- 8. State the important aspects to be looked into when replacing a lamp in an overhead projector.
- 9. Write the steps to be followed for projecting with an overhead projector, in the order of operations.
- 10. Operate an overhead projector and project transparencies and non-transparent objects.

WORK BOOK

Module III

Projected Aids.

Unit 6

Overhead projector

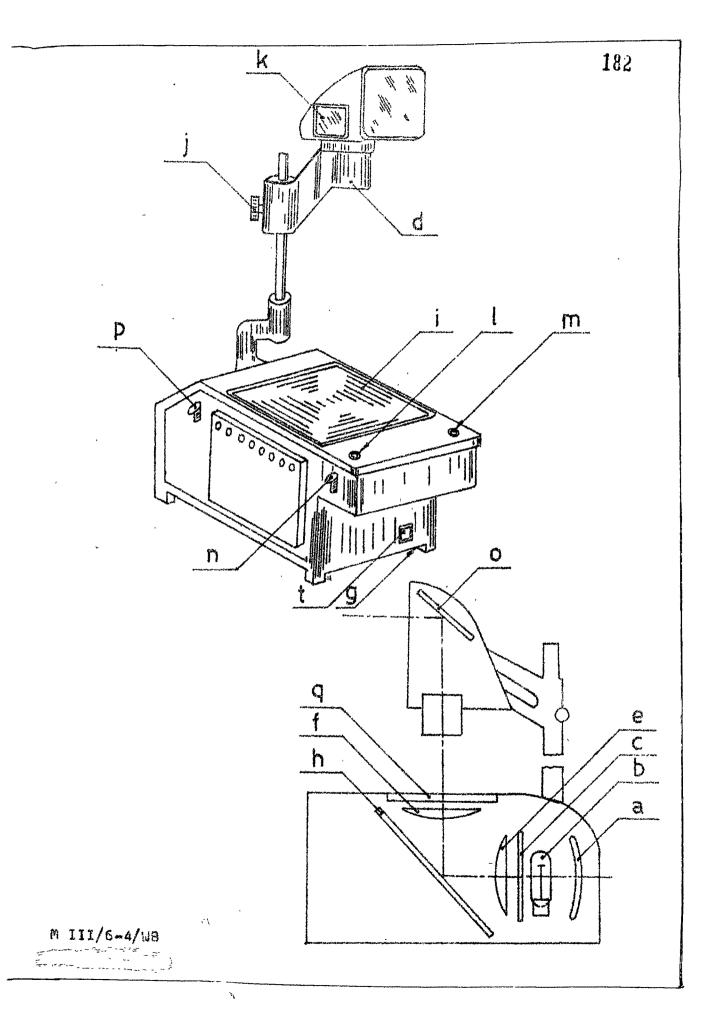
- 1. The main advantage of overhead projector over other projector is that:
 - a. the overhead projector can be used in a fully illuminated room.
 - b. the overhead transparencies can be stored in a small space.
 - c. the overhead projector is the smallest projector and hence easily moved from one classroom to other.
 - d. the overhead projector is the cheapest of all the projectors.
- 2. Which one of the following provides you the facility to write on the projectual and thus use it as a substitute for chalkboard?
 - a. filmstrip
 - b. slide
 - c. 16 mm motion picture
 - d. overhead transparency
- 3. Which of the following prepared projectual allow you to use the technique of overlay, masking and progressive disclosure?
 - a. filmstrip
 - b. slide
 - c. 16 mm motion picture
 - d. overhead transparency

M III/6-1/WB

4.	Which of the following projectuals can be projected with an overhead projector ?
	a. Opaque flat materials 8" x 10"
	b. Opaque objects of size 12" x 15" x 10"
	c. Transparent flat materials 10" x 18"
	d. Transparent objects that are less than
,	10" x 10" in size.
	Mark against the names given in the picture on last page, the alphabets corresponding to the names given below.
	1. mirror 7. fresnel lens
	2. reflector 8. focussing knob.
	3. condenser lens9. front surface mirror
	4. heat filter 10.acetate roller knob
	5. projection bulb11.transparency guide pins
,	5. objective lens 12.projection mirror
0.	State, how are the position of the image on the screen adjusted and centred ?
	Company and the same and any and the same and and the same that the same that the same that the same that the
	D. State entry while while which being which which which which being which whi
	C & must passe alone state farm gates taken was green and taken taken to the arms below to the state of the state taken to the state of the s
7.	What are the minimum and maximum size of the trans- perent pictures that could be projected on an O.H.P ?
	a. Maximum size mm x mm.
	b. Minimum size mm x mm.
o	
0.	To steady the transparency sheet on the lens surface from moving away, we use:
	a. acetate roller knob.
	b. focussing nob
	c. guide pins in front
	d. projection mirror.
	M III/6-2/WB
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- 9. Which one of the following will give a projected image in silhouste
 - a. any coloured transparency
 - b. any black and white transparency
 - c. transparent objects
 - d. non transparent objects
- 10. Which of the following is not necessary to be considered when you want to replace lamps.
 - a, voltage
 - b. Lamp contact
 - c, amperage
 - d. condenser lens

M 111/6-3/WB



MODULE - III:

Projected Aids,

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Unit = 6;

Overhead Projector

Practical Exercise No. 38: Operation of Overhead Projector.

- A. PROBLEM a) Operation of Overhead projector
 - b) Showing transparency with overlays
 - c) Writing on transparency scroll.
 - d) Using progressive disclosure technique show. Aransparency:
 - a) Setting up
 - b) Operation
 - 1. Showing overlays
 - 2. Writing on transparencies
 - 3. Progressive disclosure technique.
 - c) Shut down and putting away

Plan as per performance check list: Total time allowed for presentation three minutes.

B. EQUIPMENT & MATERIALS

- 1. O.H. Projector
- 2. Transparent acetate sheet
- 3. Transparency with overlays
- H. Transparency for progressive disclosure
- 5. Transparency scroll
- 6. O.H.T. Pencil, felt pen, duster to erase/ clean, pointer.

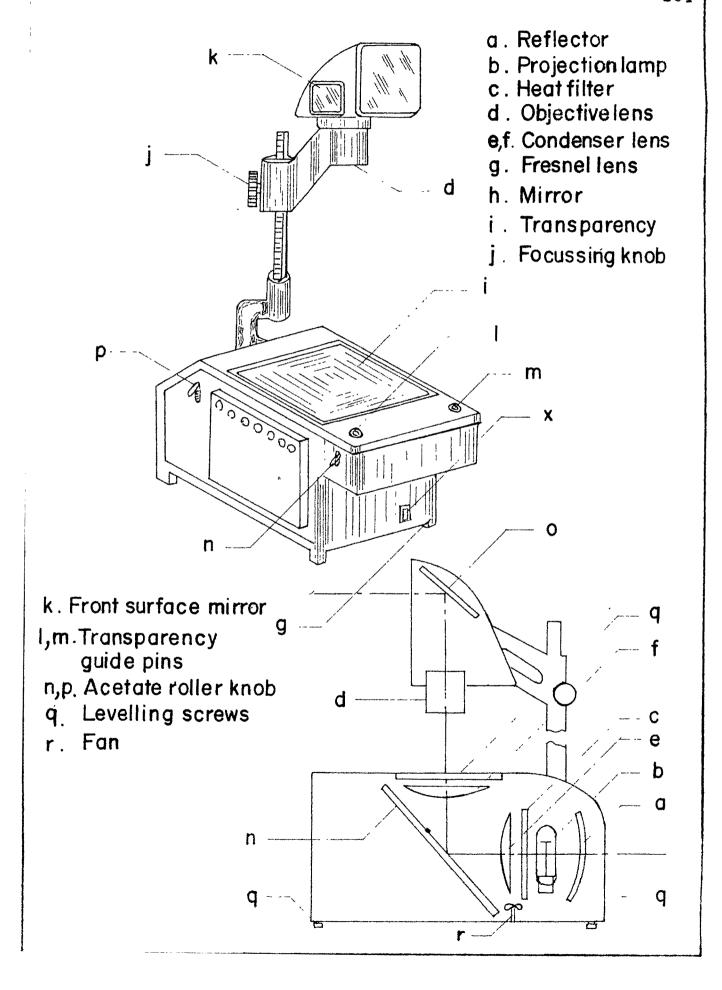
C. GRADING POINTS

- 1. Operation of projector as per check list.
- 2. Showing overlays
- 3. Showing by progressive disclosure methods
- Transparency Writing missing points.

 (Up to three trials are allowed for practice)
- D. Deadline for completion:

June 1st

M III/6/Pr. Ex.38



MODULE - III.

Projected Aids

Unit - 6.

Overhead Projector

Practical Exercise No.38: Performance Check List for Operating Overhead Projector.

A. SETTING UP

- 1) Set up projector & screen
- 2) Connect power cord & switch on
- 3) Put test transparency, on projection stage.
- 4) Adjust top mirror
- 5) Adjust image size
- 6) Focus

B. OPERATION

- a) Showing Overlays.
 - 1. Replace test transparency with a set of O.H. transparency with overlays.
 - 2. Manipulate overlays
 - 3. Use pointer
 - b) Use of progressive disclosure technique.
 - 1. Replace with a transparency having many iters.
 - 2. Use masks and show one by one.
- c) Writing on a transparency Scroll
 - 1. Attach Scroll
 - 2. Use pencil or felt pen and write a sentence.

C. PUTTING AWAY -

- l. Switch off, and bring to normal position all parts.
- 2. Pack up power cords
- 3. Remove and pack up transparency.

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	Unit	6	Overhead Projector	(38)
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			ep in the correct sequence, for	,
A.	B and C	•.		
_		anning gloofs derive group, derive gamp,		\$000 \$100
Α.	SETTING	G UP		
	a.	Connect the power	cord and switch.	
	b.	Set up the project	tor cord and switch on.	
	c.	Adjust the image	size.	
	d.	Put the test trans	sparency	
	e.	Adjust the top m	irror	
	f.	focus.		
В.	OPERAT	ION /		
	a.	Replace test trans	sparency with a set of OH	
		transparency with	overlays and manipulate overla	ys•
	b.	Replace with a tra	ansparency containing a number	of
		items for progress	sive disclosure.	
'n	c.	Vsing pencil write	e on the scroll.	
矿	d.	Attach the scroll		
C.	PUTTING	G AWAY		•
	a.	Pack up the power	cords.	
	b.	switch off and br	ing to the normal position the	
		projector and par	ts.	
	C.	Remove and pack up	p the transparency.	

M III/6/Pr.Ex.38

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M	odule I	II Projected Aids Key to Pr. Ex.		
U	nit 6	Overhead projector (38)		
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The c	heck li	st given junder are not in a sequence. Put numbers		
1,2,3	a	gainst each step in the correct sequence for A, B,		
and C	separa	tely.		
i -	3000 mag.			
A. <u>S</u>	ETTING	UP		
	2 a.	Connect the power cord and switch.		
	<u>1</u> b.	Set up the projector cord and switch on.		
	<u>5</u> c.	Adjust the image size.		
	3 d.	Put the test transparency.		
*******	<u>4</u> e.	Adjust the top mirror.		
,	<u>5</u> f.	Focus.		
в. о	PERATIO	<u>N</u>		
•	<u>1</u> g.	Replace the test transparency with a set of 0.H. transparency with overlays and manipulate overlays.		
***************************************	2 h.	Replace with a transparency containing a number of items, for progressive disclosure.		
-	<u>4</u> i.	Using pencil write on the scroll.		
	<u>3</u> j.	Actach the scroll.		
C. <u>P</u>	C. PUTTING AWAY			
	2 k.	Pack up the power cords.		
	1 1.	Swich off and bring to the normal position the projector and parts.		
•	<u>3</u> m.	Remove and pack up the transparency.		

CRITERION TEST

Module III

Projected Aids.

Unit 6

Overhead projector

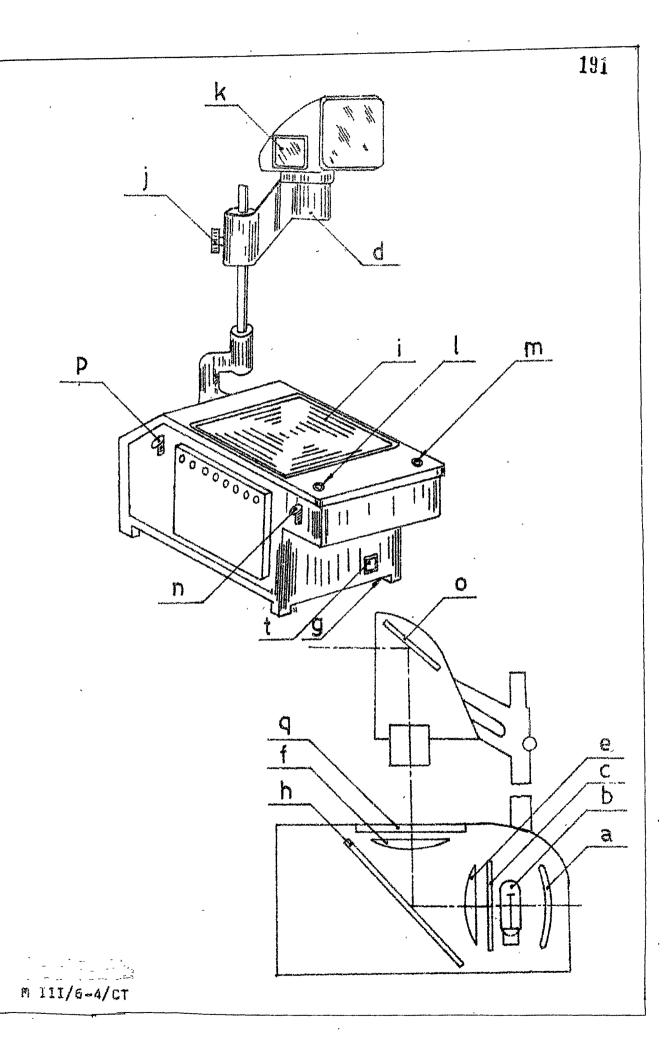
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M 111/6-1/CT

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6.	State, how are the position of the image on the screen adjusted and centred ?				
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	to and this are upon work hom. Save spor upon the pass the past th				
	C o unit, date and then date time date then date the man are not used the sale and any man that date are not the				
7.	What are the minimum and maximum size of the trans- parent pictures that could be projected on an O.H.P ?				
•	a. Maximum size mm x mm.				
	b. Minimum size mm x mm.				
8.	To steady the transparency sheet on the lens surface from moving away, we use:				
	a. acetate roller knob.				
	b. focussing Lab				
	c. guide pins in front				
	d. projection mirror.				
	M 111/6-2/CT				

- 9. Which one of the following will give a projected image in slihoutte
 - a. any coloured transparency
 - b. any black and white transparency
 - c. transparent objects
 - d. non transparent objects
- 10. Which of the following is not necessary to be considered when you want to replace lamps.
 - a. voltage
 - b. lamp contact
 - . C. amperage
 - d. condenser lene

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KEY TO
CRITERION TEST

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Unit 6	Overhead Projector
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c. the overhead and hence es other.	projector is the smallest projectorisily moved from one classroom to
d. the overhead the projecto	projector is the cheapest of all projector
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b. slide	
c. 16 mm motion	•
** d, Overhead tra	insparancy.
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b. slide	
c, 16 mm motion	picture
** d. overhead tra	insparency
M III/6-1/KCT	

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	e.f 3. condenser lens k 9. front surface mirror
	c 4. heat filter n,p 10. acetate roller knob.
	b 5. projection bulb 1.m 11. transparency guide pins
	d 6. objective lens o 12. projection mirror.
6.	State how are the position of the image on the screen adjusted or centered ?
	a. operating the mirror adjusting knob-raise or lower.
	b. adjusting foot screws of front legs-raise or lower.
	c, tilting the head of top mirror assembly.
7,	What are the minimum and maximum size of the transparent pictures that could be projected on an O.H.P ?
	a. Maximum size <u>250</u> mm x <u>250</u> mm ,
	b. Minimum size <u>100</u> mm × <u>100</u> mm
8.	To steady the transparancy sheet on the lens surface from moving away, we use:
	a. acetatà roller knob.
	b. focuseing knob.
	** c. guide pins in front
	d. projection mirror
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•	a. any coloured transparency
	b. any black and white transparency
	c. transparent objects
	** d. non transparent objects
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	MANUFACION STATE AND	a,	voltage			
	AND THE REAL PROPERTY.	b.	lamp contact			,
	California pagar sect ^{am} an	C.	amper age			
	**	d.	condenser lens.			

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