
Module V

Audio Aids

Unit 6

Record Players

Instructional Objectives:

1. State the commonly used speeds of a record player.
2. Identify the parts of common record player.
3. Arrange in the serial order the operations required to operate HMV Fiesta.
4. Operate a record player (HMV - Fiesta).
5. Record on a stereo reel to reel tape deck music from a stereo recorder - HMV Fiesta to Sony reel to reel tape deck.
6. Identify a monophonic and stereophonic record player.
7. Identify 33 r.p.m., 45 r.p.m. and 78 r.p.m. records.

AUDIO VISUAL EDUCATION

Module V	Audio Aids
Unit 6	Record Players

INTRODUCTION:

Among the various audio visual resources that give trainees incentive for learning, the records or recordings have proved to be both practical and effective. Of the many categories described so far under different modules, the audio categories are among the least expensive, the most easily made and having the most versatile application.

The record player and the records are one of the audio resources that are widely used in many self instructional and group situations. You may think that audio resources are unsuitable for skill training as you might not have the experience. But those of you who had taken any language course, can at least appreciate the efficacy of the medium and the difference it makes from normal classroom teaching, in the traditional pattern. Used widely in our country, at present, are the records for teaching language in Arabic, French, Russia etc., due to potential of getting jobs in the countries of Middle East and Europe. The records could very well be used in other vocational education and training as well, with as much ease and convenience if not better, as the language teaching.

We can use the aural instruction for skill training also. Many, "how to do jobs," can be done at your leisure, speed and convenience, using records. It can also effectively be used for performance tests. We will present to you in this module, an example of how performance test could be operated by a trainee/instructor with audio materials.

There is a wide range of record players available in our country and a variety of records are also available. Each record type is identified by diameter, playing speed, and stylus required. Nowadays, the recorders are not provided with an amplifier, and the one without the amplifier is called turntable and the one with amplifier is called record player.

STANDARDS OF RECORDS:

1. Records of 7, 10 and 12 inches are available .
2. Speeds standardised in India are 33 1/3 , 45 and 78 rpm.
3. Styluses available are 1 mil stylus for microgroove and monophonic records, 3 mil stylus for 78 rpm records, 0.2 to 0.7 mil for stereophonic records.

Three important points to remember:-

1. Choose appropriate speed
2. Select appropriate stylus.
3. Select appropriate mode- monophonic or stereophonic.

We are giving you the experience of operating HMV Fiesta but you may use other record players and turntables also. Once you are capable of performing the task in one variety, other makes are also most similar. You can refer to manufacturers instructional manual. After you have attained mastery level, you may go and see turntables and record players of different makes in the Radio & TV Sections.

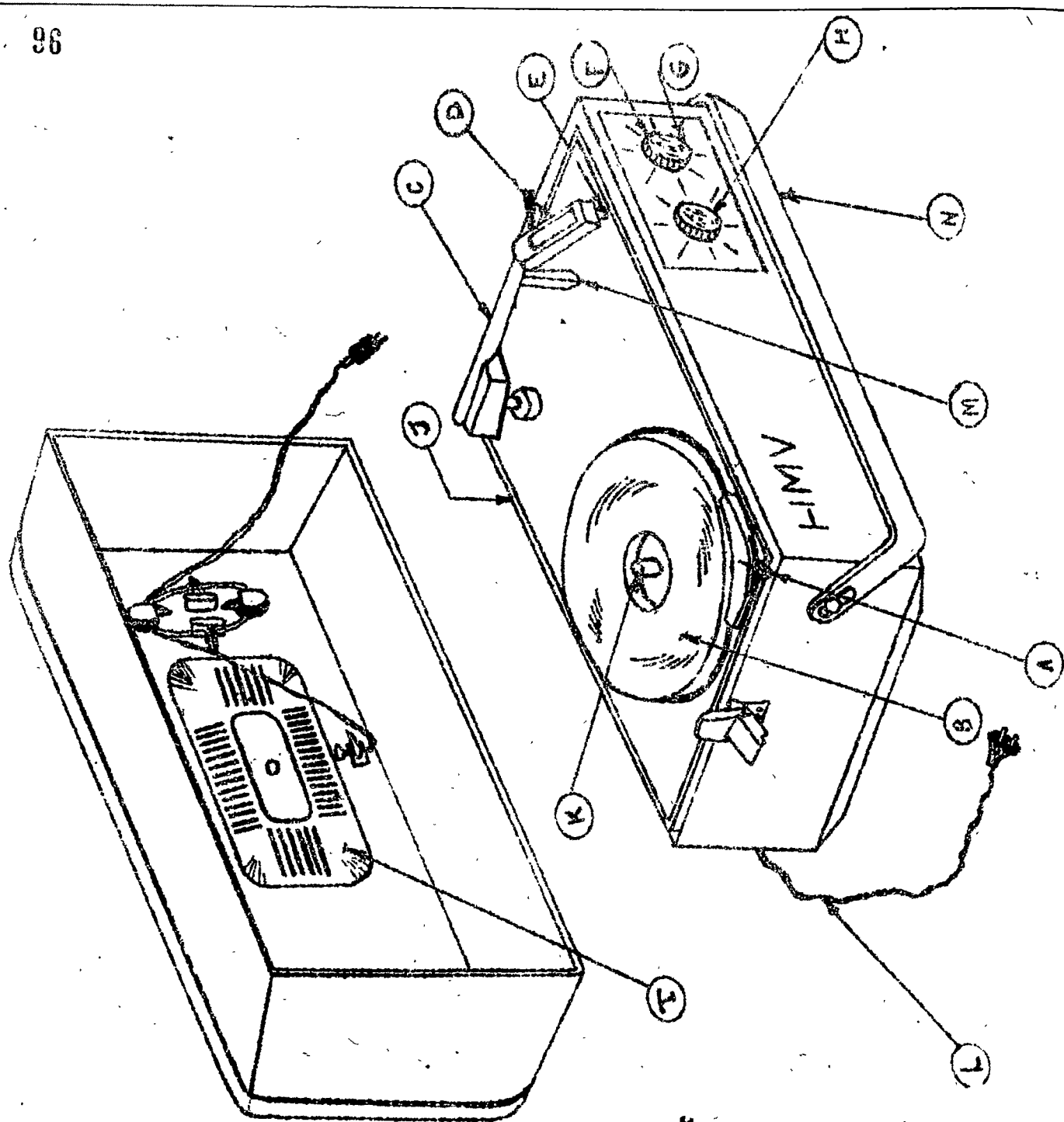
A GENERALISED AND COMMON RECORD PLAYER- Acquainting and operating the record player.

You are to use the audio cassette for this segment of the unit on Record Players, along with the accompanying drawing, and then again with the record player, or use the cassette with the actual record player and drawing at the same time. You should not take more than 20 minutes for the understanding of the principal parts and identify them, in the test item.

There is also a practical assignment. You must listen to the audio for the performance test, then identify the parts and operate the recorder for playing two different variety of records.

Note that this does not require use of long sessions consuming too much time and make checking your work difficult. What you need is:-

- a. A drawing marking the principal parts,
- b. An audio cassette and a cassette recorder to play the tape.
- c. A test item in a jumbled format of the performance checklist, while you must complete, and a drawing where you will be required to mark the parts.
- d. A record player- with 45 rpm and 33 1/3 rpm records.



- A Speed selector
- B Turn table
- C pickup arm
- D Stylus selector
- E Stylus
- F Switch
- G Tone
- H Volume
- I Speaker
- J Speaker output
- K Spindle
- L Cord
- M Arm support
- N Handle

Follow these instructions:-

1. Keep cassette recorder on one side and record player on the other side. Keep the drawing and work-book conveniently on the table.
2. Run the tape until you hear cue sound - a beep or bell.
3. The programme starts with the words - "Now you are going to have a new experience of learning through an audio source as a part of self-learning process. You will first make yourself conversant with the basic controls and features of this record player.
4. Listen carefully the audio and you must do what you are told to do. Timing of breaks wherever given between sentences are for you to locate some parts or do an operation or write a response on your work-book. This must be strictly adhered otherwise you will be facing problems.
5. Whenever you are asked to stop the tape/cassette do press the pause button and release pause button after the noted timing. Now go ahead and practice.
6. You will fillup the performance checklist yourself after the lesson and submit to your instructor after which you will be given a performance test. The list given is in a jumbled form and you may fill in the number in seriation.

AUDIO SCRIPT FOR A GENERALISED RECORD PLAYER

1. Friends now you are going to have a new experience of learning through audio source as part of the self learning process. You will first make yourself conversant with the Fiesta basic controls and features of the record player.
2. Are you keeping your work-book in front of you ? The drawing gives you all the principal parts of your record player. Study them carefully. Identify the corresponding part in the record player in front of you. Got it?
Study carefully the drawing and locate the various parts on the 'HMV' Fiesta', which you are going to operate.
3. STOP the tape-recorder for 5 minutes and after identifying parts re-start. (press the pause button and release it after 5 minutes or as soon as you have finished the work assigned)
4. Did you get any difficulty ? If so, contact your Training Officer for guidance. If not;

5. Cover the drawing where parts are provided, and take the second sheet of drawing, where we have given you the drawing without the name of the parts, but arrows of parts are shown. Now write the parts on this drawing for each arrow. STOP the cassette and then re-start. Do not take more than 5 minutes.
6. Did you locate correctly all the parts? Verify with the drawing you have wherein we have marked the parts. If every answer is correct, you may proceed further.
7. If not, you should go through the process again, until you are sure you have done your identifications 100% correctly. Remember that your knowledge of the parts is very essential to operate the equipment.
8. HERE YOU MAY EITHER STOP THE CASSETTE AND RE-DO THE PROCESS ALL AGAIN IF REQUIRED, OR PROCEED FURTHER.
9. You will have to hand-over the sheet on which you have marked the parts to your instructor, at the end of the session. Ensure this.
10. Are you ready to go ahead? Shall we now go ahead with the operation of the record player? O.K. We proceed now.
11. You must have placed your tape recorder on one side, and the record player in front of you on true horizontal surface. Check this, and be sure your record player is located properly.
12. If the speaker is not built in, insert the speaker plug in the speaker socket and
13. Place the speaker at a suitable location for listening.
14. Plug in power cord.
15. If the amplifier is not built in, connect to amplifier as shown in the drawing. Connect amplifier to the power and switch on amplifier.
16. In the model in our AV workshop, amplifier is built in.
17. Turn on the power switch of your record player.
18. You know the speed selector of your record player. Is not? If not? If you have doubt, you may refer to your drawing where parts are marked.
19. You are provided with two records. One is a 45 rpm and the other is 33 $\frac{1}{3}$ rpm. Now identify these as 45 and 33 $\frac{1}{3}$ by looking in the markings on the centre of the records.
20. You may now set the speed for the 45 rpm record.

21. As you will use the 45 rpm. record first, take the same and keep it on the record player.
22. Select the proper stylus for this record.
23. Locate the pickup arm.
24. If your pickup arm has arm weight control, adjust it according to the type of the record.
25. Start the record player.
26. Unlock and lift the pickup arm.
27. Place the stylus gently in the run-in groove near the record edge.
28. Do not rub the stylus on the record and make scratches.
29. Adjust volume and tone controls.
30. After playing for one minute, lift arm vertically, and
31. replace it on its rest.
32. STOP the record player.
33. Remove record.
34. Now to use the second record, you must re-adjust the speed to 33 1/3.
35. Select proper stylus.
36. Adjust pickup arm weight control, if provided.
37. Start your recorder, again
38. Unlock and lift the pickup arm, place the stylus gently on the record properly.
39. Adjust volume and tone control.
40. Play for one minute.
41. Lift arm vertically.
42. Replace on its rest and lock.
43. STOP the record player.
44. Remove record.
45. Turn off all switches
46. Set the speed control lever at OFF and disengage your turntable.
47. Disconnect the speaker (and amplifier if provided separately) and cords.
48. Place them in their positions.
49. Store all cords properly.
50. Close the lid and place it in position.

NOW GOOD LUCK

YOU MAY REPORT FOR YOUR TEST

AUDIO VISUAL EDUCATION

Module V	Audio Aids	Time: 10 min.
Unit 6	Record Player	

Practical Exercise No: 50.

A. PROBLEM

Use HMV Fiesta record player and play for 1 minute.

- | | |
|-----------------|-----------------------------------|
| 1. Setting up | Fill in the jumbled list of the |
| 2. Operating | performance checklist and hand |
| 3. Putting away | over the same to your instructor. |
| | Obtain correct sequence of |
| | operations and follow the same. |

B. EQUIPMENT & MATERIALS

1. HMV Fiesta Record player.
2. Record(s) (45 rpm)

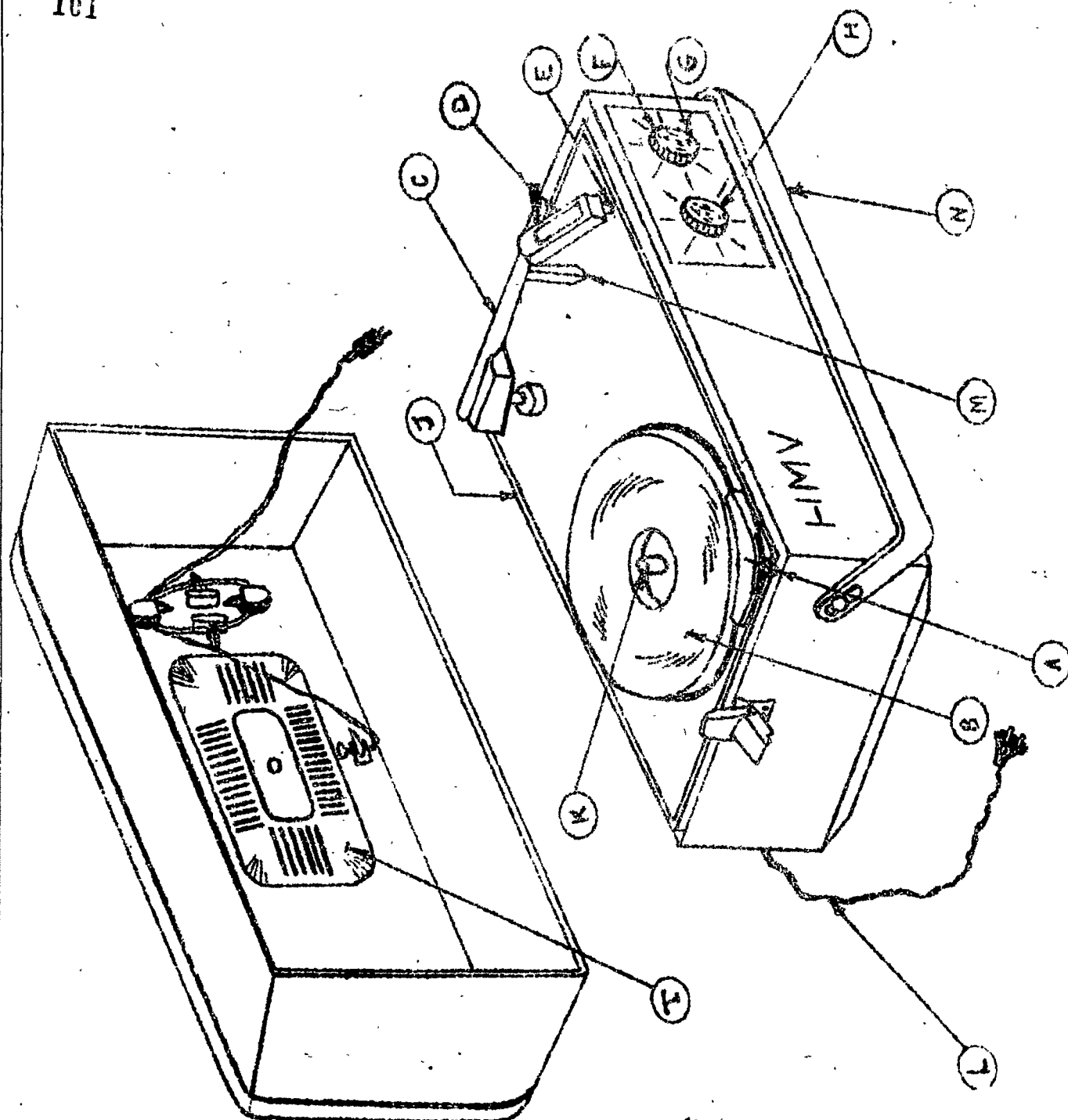
C. POINTS FOR GRADING

1. Setting up
2. Operating correctly.
3. Putting away
4. Faultless sequencing.

Time is the essence of this exercise.
Strictly adhere to the timing given.

D. Deadline for the project: June 15th.

M V/5/Pr.Ex.50.



- A Speed selector
- B Turn table
- C pickup arm
- D Stylus selector
- E Stylus
- F Switch
- G Tone
- H Volume
- I Speaker
- J Speaker output
- K Spindle
- L Cord
- M Arm support
- N Handle

AUDIO VISUAL EDUCATION

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Module V

Audio Aids

Unit 6

Record Players

Practical Exercise No: 50

Performance Check list for Operating Record Player.

A. SETTING UP

1. Place and assemble gently on truly horizontal surface and open case.
2. Connect cords.
3. If the speaker is not built-in, insert speaker plugs in the speaker receptacles.
4. Place speaker at a suitable location for listening.
5. Turn on amplifier.
6. Turn on motor.

B. OPERATING

1. Select Speed, for 45 r.p.m.
2. And a 45 rpm record.
3. Keep record side 1 facing you on the turn table.
4. Select proper stylus for the record (45 r.p.m.).
5. Adjust pickup arm weight control if provided.
6. Start the turntable.
7. Unlock and lift the pickup arm.
8. Place the stylus gently in the run-in-groove near record edge.
9. Play (1 minute).
10. Adjust volume.
11. Adjust tone.
12. When 1 minute is over, lift arm vertically and
13. Replace it on its rest.

C. PUTTING AWAY

1. Lock arm
2. Motor off
3. Release turntable
4. Amplifier off
5. Remove record.
6. Store all cords.
7. Lock lids.
8. Keep record player on track.

Module V

Audio Aids

Unit 6

Record Players

(50)

The performance checklist for operating record player given hereunder is not in a sequence. Number 1,2,3 ... against each step in the correct sequence, for A,B. and C separately.

A. SETTING UP

- _____ Place and assemble gently on a truly horizontal surface.
- _____ Turn on amplifier.
- _____ Turn on motor.
- _____ Place speaker, if there is no built-in-speaker.
- _____ Plug in speaker cords into the receptacle.
- _____ Open the case.

B. OPERATING

- _____ Select speed of turntable for 45 rpm record.
- _____ Select a 45 rpm record.
- _____ Place pickup arm stylus on record gently.
- _____ Start turntable.
- _____ Place record properly side I on the record player.
- _____ Select proper stylus for the record.
- _____ Adjust pick up arm weight if provided.
- _____ Unlock and lift the pickup arm
- _____ Play for one minute.
- _____ Adjust volume.
- _____ Adjust tone
- _____ Lift arm
- _____ Replace it on rest.

C. PUTTING AWAY

- _____ Lock arm
- _____ Amplifier off
- _____ Remove record
- _____ Release turntable
- _____ Lock lid
- _____ Store all cords.
- _____ Motor off
- _____ Place in original position.

KEY

Module V

Audio Aids

Unit 6

Record Players

(50)

Performance Check list for Operating Record Player

A. SETTING UP

- 1 Place and assemble gently on a truly horizontal surface.
- 5 Turn on amplifier
- 6 Turn on motor
- 3 Place speaker, if there is no built-in-speaker.
- 4 Plug in speaker cords into the receptacle.
- 2 Open the case.

B. OPERATING

- 1 Select speed of turntable for 45 rpm record.
- 2 Select a 45 rpm record.
- 8 Place pickup arm stylus on record gently.
- 6 Start turntable.
- 3 Place record properly side I on the record player.
- 4 Select proper stylus for the record.
- 5 Adjust pickup arm weight if provided.
- 7 Unlock and lift the pickup arm.
- 9 Play for one minute.
- 10 Adjust volume
- 11 Adjust tone.
- 12 Lift arm
- 13 Replace it on rest.

C. PUTTING AWAY

- 1 Lock arm
- 4 Amplifier off
- 5 Remove record
- 3 Release turntable
- 7 Lock lid
- 6 Store all cords
- 2 Motor off
- 8 Place in original position.

AUDIO VISUAL EDUCATION

Module V	Audio Aids	Time 10 minutes
Unit. 6	Record Players	

Practical Exercise No: 51 Copying from a stereo disc to an audio tape (stereo).

A. PROBLEM

Use sony tape deck TC 366, Phillips GA 242 turn table and phillips Radio AH 778 to record from a stereo record to a stereo tape.

- | | | |
|---------------|---|--------------------------------|
| 1. Setting up | 0 | Fill in the jumbled list of |
| 2. Operation. | 0 | the performance checklist and |
| 3. Recording. | 0 | hand over the same to your |
| 4. Playback. | 0 | instructor. Obtain the correct |
| 5. Packup | 0 | sequence before start, and |
| | 0 | follow the same. |

B. EQUIPMENT AND MATERIALS

1. Sony tape deck TC 366
2. Phillips GA 242 record player.
3. Phillips Radio AH 778.
4. Tape with reels.
5. Record(s). (33 r.p.m.)

C. POINTS FOR GRADING

1. Setting up.
2. Following correct sequence for operations.
3. Recording and playback.
4. Packing up.

You must adhere to the timing,
which is very important.

D. Deadline for the project: June 15th.

M V/5/Pr.Ex.51.

Module V

Audio Aids

Unit 6

Record Players

Practical Exercise No: 51

Performance Check list for Copying from a stereo disc to an audio tape (stereo).

A. SETTING UP

1. Place tape deck and amplifier on table.
2. Place record player on table near and connect appropriately to tape decks and amplifier.
3. If there are no built in speakers, place speaker and connect appropriately to amplifier.
4. Select A/C power source in all the equipment.
5. Connect power cords.
6. Select speed of tape deck (4.8 cm/sec.)
7. Set speed of record player to 33 rpm.
8. Select 33 rpm record.
9. Check reel rotation with PLAY CONTROL.
10. Attach empty reel to wheel that turns.
11. Attach supply wheel to the other spindle.
12. Thread tape through record/play heads.
13. Engage tape end in the slot of take up reel.
14. Rotate both reels by hand for about $1\frac{1}{2}$ turns.
15. Push rubber caps on both spindles.

B. OPERATING

1. Check tape deck for stop mode, if not keep it in stop mode.
2. Switch on power to tape deck/amplifier.
3. Rewind tape to starting point (take care that tape end does not leave spool).
4. Set counter to 000.
5. Keep record on turn table, side 1 facing you.
6. Select appropriate stylus (33 rpm).
7. Adjust pick up arm weight if provided.
8. Switch on record player.
9. Start turn table.
10. Unlock and lift pickup arm.
11. Place stylus gently on record edge in the run-in-groove.

C. RECORDING

1. Engage record and play (forward) levers for stereo recording (press both L & R buttons).
2. Play record for 15 seconds.
3. Adjust volume control. The needle should not show red mark on tape deck.
4. Stop Record, tape and rewind tape.
5. Check sound recorded. If unsatisfactory repeat 1 to 5. STOP tape and record.
6. If satisfactory, rewind again, bring to stop.
7. Engage record and play of tape deck.
8. Play record for 1 minute.
9. Stop tape and record.
10. Rewind tape to 000.

D. PLAYBACK

1. Bring tape deck control to play/Forward.
2. Adjust volume control.
3. Play fully 1 minute.
4. Lift pickup arm and lock in position.

E. PACK UP

1. Rewind tape.
2. Switch off tape deck, amplifier and record player.
3. Release turn table.
4. Remove record and store.
5. Remove reels, tape and all connecting cords and store.
6. Remove all accessories and store.
7. Lock lids.

M V/6/Pr.Ex. 51 (ii)

AUDIO VISUAL EDUCATION

Module V

Audio Aids

Unit 6

Record Players

This check list for copying from a stereo disc to audio tape (stereo) given hereunder is not in a sequence. Number 1,2,3 . . . against each step in the correct sequence, for A,B,C, D and E separately.

A. SETTING UP

- _____ Place tape deck and amplifier on table.
- _____ Place record player on table near and connect appropriately to tape deck and amplifier.
- _____ If there are no built in speakers, place speaker and connect appropriately to amplifier.
- _____ Connect power cords.
- _____ Select A/C power source in all the equipment.
- _____ Push rubber caps on both spindles.
- _____ Engage tape end in the slot of take up reel.
- _____ Attach supply wheel to the other spindle.
- _____ Attach empty reel to wheel that turns.
- _____ Select speed of tape deck (4.8 cm/sec.).
- _____ Set speed of record player to 33 rpm.
- _____ Select 33 rpm record.
- _____ Check reel rotation with PLAY CONTROL.
- _____ Thread tape through record/play heads.
- _____ Rotate both reels by hand for about $1\frac{1}{2}$ turns.

B. OPERATING

- _____ Check tape deck for stop mode, if not keep it in stop mode.
- _____ Rewind tape to starting point (take care that tape end does not leave spool).
- _____ Switch on power to tape deck/amplifier.
- _____ Set counter to 000.
- _____ Keep record on turn table, side 1 facing you.
- _____ Select appropriate stylus (33 rpm).
- _____ Start turn table.
- _____ Switch on record player.

B. OPERATION (CONTD...)

- _____ Adjust pickup arm weight if provided.
- _____ Place stylus gently on record edge in the run-in-groove.
- _____ Unlock and lift pickup arm.

C. RECORDING

- _____ Engage record . and play (forward) levers for stereo recording (Press both L & R buttons).
- _____ Play record for 15 seconds.
- _____ Adjust volume control. The needle should not show red mark on tape deck.
- _____ Check sound recorded. If unsatisfactory repeat 1 to 5. STOP tape and record.
- _____ Stop record, tape, and rewind tape.
- _____ If satisfactory, rewind again, bring to stop.
- _____ Engage record & play of tape deck.
- _____ Play record for 1 minute.
- _____ Stop tape and record.
- _____ Rewind tape to 000.

D. PLAYBACK

- _____ Play fully 1 minute.
- _____ Bring tape deck control to Play/Forward.
- _____ Adjust volume control.
- _____ Lift pickup arm and lock in position.

E. PACKUP

- _____ Switch off tape deck.
- _____ Rewind tape.
- _____ Remove record and store.
- _____ Release turn table.
- _____ Remove reels, tape and all connecting cords and store.
- _____ Remove all accessories and store.
- _____ Lock lids.

KEY

Module V

Audio Aids

Unit 6

Record Players

(51)

Performance Check list for copying from a stereo disc to an audio tape (stereo).

A. SETTING UP

- 1 Place tape deck and amplifier on table.
- 2 Place record player on table near and connect appropriately to tape deck and amplifier.
- 3 If there are no built in speakers, place speaker and connect appropriately to amplifier.
- 5 Connect power cords.
- 4 Select A/C power source in all the equipment.
- 15 Push rubber caps on both spindles.
- 13 Engage tape end in the slot of take up reel.
- 11 Attach supply wheel to the other spindle.
- 10 Attach empty reel to wheel that turns.
- 6 Select speed of tape deck (4.8 cm/sec.).
- 7 Set speed of record player to 33 rpm.
- 8 Select 33 rpm record.
- 9 Check reel rotation with PLAY CONTROL.
- 12 Thread tape through record/Play heads.
- 14 Rotate both reels by hand for about $1\frac{1}{2}$ turns.

B. OPERATING

- 4 Check tape deck for stop mode, if not keep it in stop mode.
- 3 Rewind tape to starting point (take care that tape end does not leave spool).
- 2 Switch on power to tape deck/amplifier.
- 4 Set counter to 000.
- 5 Keep record on turn table, side 1 facing you.
- 6 Select appropriate stylus (33 rpm).
- 9 Start turn table.
- 8 Switch on record player.

- 7 Adjust pickup arm weight if provided.
- 11 Place stylus gently on record edge in the run-in-groove.
- 10 Unlock and lift pickup arm.

C. RECORDING

- 1 Engage record and play (forward) levers for stereo recording (press both L & R buttons).
- 2 Play record for 15 seconds.
- 3 Adjust volume control. The needle should not show red mark on tape deck.
- 5 Check sound recorded. If unsatisfactory repeat 1 to 5. STOP tape and record.
- 4 Stop record, tape, and rewind tape.
- 6 If satisfactory, rewind again, bring to stop.
- 7 Engage record & play of tape deck.
- 8 Play record for 1 minute.
- 9 Stop tape and record.
- 10 Rewind tape to 000.

D. PLAYBACK

- 3 Play fully 1 minute.
- 1 Bring tape deck control to play/forward.
- 2 Adjust volume control.
- 4 Lift pickup arm and lock in position.

E. PACK UP

- 2 Switch off tape deck, amplifier and record player.
- 1 Rewind tape.
- 4 Remove record and store.
- 3 Release turn table.
- 5 Remove reels, tape and all connecting cords and store.
- 6 Remove all accessories and store.
- 7 Lock lids.

AUDIO VISUAL EDUCATION

CRITERION TEST

Module V

AUDIO AIDS

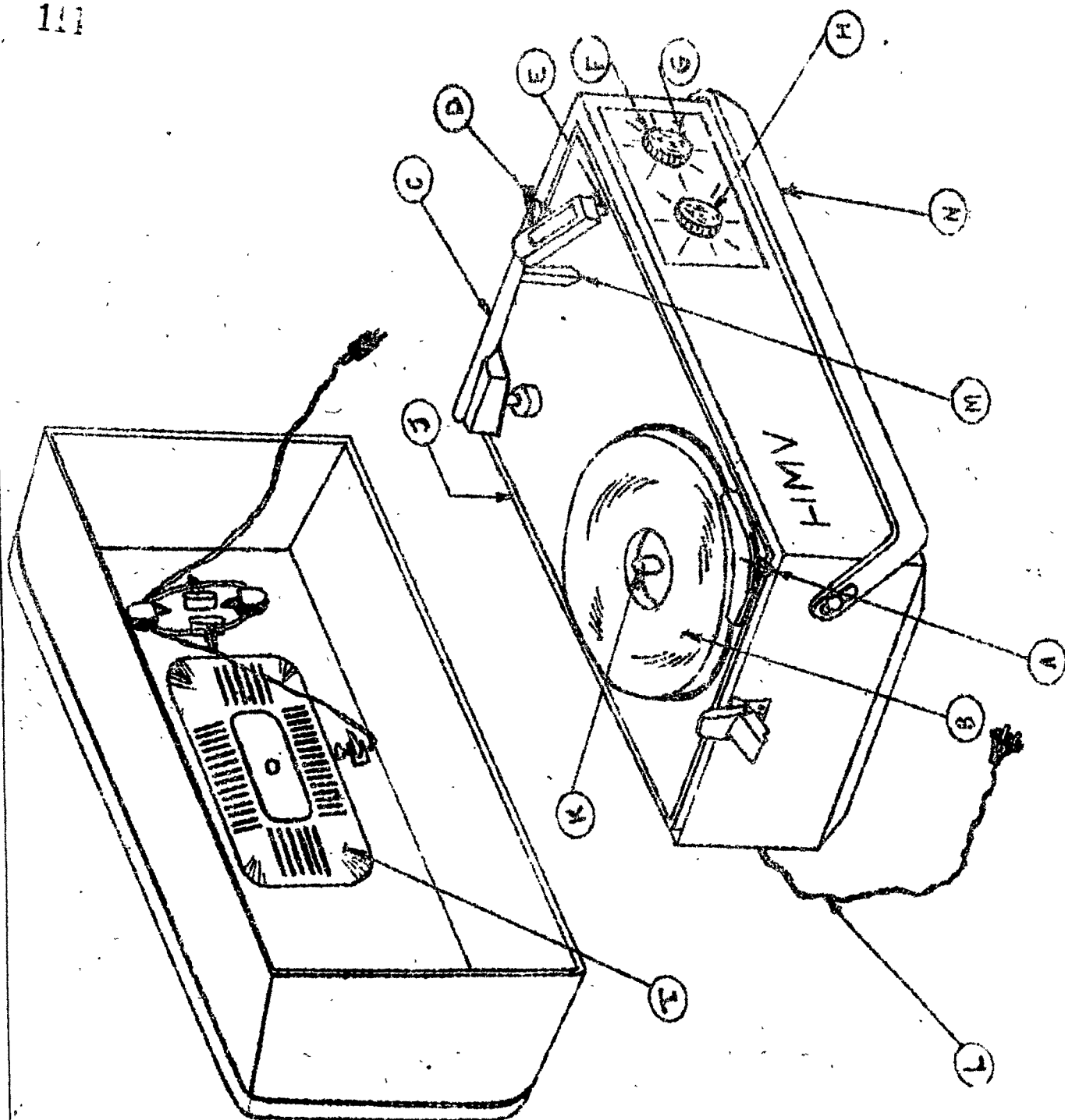
Time : Mts.

Unit 6

Record Players

For Question 1 circle the alphabet of correct answer and for the rest write correct answer in the space provided.

1. State which one of the following is not a common speed of a commercial record player ?
 - a. 33 1/3 rpm
 - b. 45 rpm
 - c. 78 rpm
 - d. 16 2/3 rpm
2. State the four aspects of identifying records.
 - a.
 - b.
 - c.
 - d.
3. HMV Fiesta, record player, that is available for your practice is one which is different from other turntables. In what respect does this differ ? What makes it to act independently without connecting to other equipment or a radio ?
 - a.
 - b.
4. HMV Fiesta, the record player has only one speaker, and it is a _____ (monophonic, stereophonic, quadraphonic) requiring _____ speakers) (one, two, three, four).
5. You have seen the Soney turntable, what is the main difference it has from Fiesta record player. What is the advantage?
 - a.
 - b.



6. Why is it necessary to use radio for playing some inexpensive turntable? What item(s) in the radio is made use of, while playing the record?

a.

b.

7. The sketch at the end is of a record player. Some of its parts are indicated by letters. Identify them by placing the letters against the corresponding name of parts given.

_____ speed selector

_____ stylus selector

_____ stylus

_____ speaker output

_____ tone

_____ pickup arm

_____ switch

_____ volume

_____ turn table

_____ speaker.

8. Performance checklistt for operating a record player is given in a jumbled form, under three different headings. Arrange them in order, under each sub head, by placing numbers in seriatim (1,2,3 etc.) in the sequence of operation to be done. Consider each subhead separately.

9. Set up, load, and operate a record player- HMV Fiesta. Fix time schedule with the Training Officer.

Module V

Audio Aids

Unit 6

Record Players

8. The performance checklist for operating record player given hereunder is not in a sequence. Number 1,2,3 ... against each stop in the correct sequence, for A,B, and C separately.

A. SETTING UP

- _____ Place and assemble gently on a truly horizontal surface.
- _____ Turn on amplifier.
- _____ Turn on motor
- _____ Place speaker, if there is no built-in-speaker.
- _____ Plug in speaker cords into the receptacle.
- _____ Open the case.

B. OPERATING

- _____ Select speed of turntable for 45 rpm record.
- _____ Select a 45 rpm record.
- _____ Place pickup arm stylus on record gently.
- _____ Start turntable.
- _____ Place record properly side 1 on the record player.
- _____ Select proper stylus for the record.
- _____ Adjust pick up arm weight if provided.
- _____ Unlock and lift the pickup arm
- _____ Play for one minute.
- _____ Adjust volume.
- _____ Adjust tone
- _____ Lift arm
- _____ Replace it on rest.

C. PUTTING AWAY.

- _____ Lock arm
- _____ Amplifier off.
- _____ Remove record.
- _____ Release turntable
- _____ Lock lid
- _____ Store all cords.
- _____ Motor off
- _____ Place in original position.

AUDIO VISUAL EDUCATION

KEY TO
CRITERION TEST

Module	V	AUDIO AIDS
Unit	6	Record Players.

1. State which one of the following is <u>not</u> a common speed of a commercial record player?		
a. 33 1/3 rpm		
b. 45 rpm		
c. 78 rpm		
** d. 16 2/3 rpm		
2. State the four aspects of identifying records.		
a. speed		
b. diameter		
c. type of stylus		
d. mode of playing.		
3. HMV Fiesta, record player, that is available for your practice is one which is different from other turntables. In what respect does this differ? What makes it to act independently without connecting to other equipment or a radio?		
a. it has a built in amplifier.		
b. the amplifier- it does not require amplifying system.		
4. HMV Fiesta, the record player has only one speaker, and it is a <u>monophonic</u> , <u>requiring one speaker</u> .		
5. You have seen the Soney turntable, what is the main difference it has from Fiesta record player. What is the advantage?		
<u>It has stroboscope for speed setting will be accurate.</u>		
6. Why is it necessary to use radio for playing some inexpensive turntable? What item(s) in the radio is made use of, while playing the record?		
<u>It has no amplifier.</u>		
<u>Speaker and amplifier.</u>		

7. The sketch at the end is of a record player. Some of its parts are indicated by letters. Identify them by placing the letters against the corresponding name of parts given.

<u>A</u> speed selector	<u>D</u> stylus selector
<u>E</u> stylus	<u>J</u> speaker output
<u>G</u> tone	<u>C</u> pickup arm
<u>F</u> switch	<u>H</u> volume
<u>B</u> turn table	<u>T</u> speaker

8. Performance checklist for operating a record player is given in a jumbled form, under three different headings. Arrange them in order, under each sub head, by placing numbers in seriatim (1,2,3 etc.) in the sequence of operation to be done. Consider each subhead separately.

Answer given

9. Set up, load, and operate a record player- HMV Fiesta. Fix time schedule with the Training Officer.

KEY

Module V

Audio Aids

Unit 6

Record Players

8. Performance Check list for Operating Record Player

A. SETTING UP

- 1 Place and assemble gently on a truly horizontal surface.
- 5 Turn on amplifier
- 6 Turn on motor
- 3 Place speaker, if there is no built-in-speaker.
- 4 Plug in speaker cords into the receptacle.
- 2 Open the case.

B. OPERATING

- 1 Select speed of turntable for 45 rpm record.
- 2 Select a 45 rpm record.
- 8 Place pickup arm stylus on record gently.
- 6 Start turntable.
- 3 Place record properly side I on the record player.
- 4 Select proper stylus for the record.
- 5 Adjust pickup arm weight if provided.
- 7 Unlock and lift the pickup arm.
- 9 Play for one minute.
- 10 Adjust volume
- 11 Adjust tone.
- 12 Lift arm
- 13 Replace it on rest.

C. PUTTING AWAY

- 1 Lock arm
- 4 Amplifier off
- 5 Remove record
- 3 Release turntable
- 7 Lock lid
- 6 Store all cords
- 2 Motor off
- 8 Place in original position.