

MUSIC THEORY FOR THE 21<sup>st</sup>-CENTURY CLASSROOM  
 UNIT 12  
 Practice Test

Section 1. *Scale/Mode Identification.* Please identify the following modes and scales.



1. Scale/Mode used: \_\_\_\_\_



2. Scale/Mode used: \_\_\_\_\_

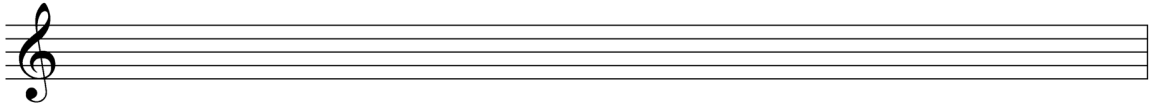


3. Scale/Mode used: \_\_\_\_\_

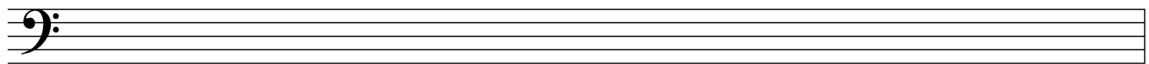


4. Scale/Mode used: \_\_\_\_\_

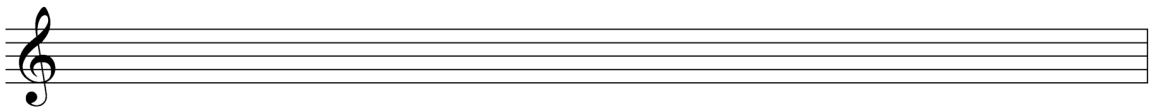
Section 2. *Scale/Mode Writing.* Please write the following scales/modes.



1. E-flat Phrygian



2. A Lydian-Mixolydian



3. F-sharp Hexatonic

Section 3. *Parallelism*. Please complete the following examples using strict parallelism. Maintain the interval relationships; do **not** make enharmonic alterations.

1.

2.

Section 4. Analyze the following polychords.

Section 5. Writing the following polychords.

$\frac{B\flat}{A\flat}$

$\frac{A^+}{B\flat m}$

$\frac{E m}{E\flat}$

$\frac{D m}{C^+}$

Section 6. After analyzing the given chord as a lead-sheet symbol, revoice it in four ways:

- (1) as a six-note tertian chord stacked only in thirds
- (2) as a six-note quartal chord stacked only in perfect 4ths
- (3) as a six-note quintal chord stacked only in perfect 5ths
- (4) as a six-note secundal chord stacked only in 2nds

LSS: \_\_\_\_\_ (1) in 3rds (2) in 4ths (3) in 5ths (4) in 2nds

Section 7. *Set Theory*. For the following sets, provide the normal form, prime form, and interval vector.

Set 1. Normal form: \_\_\_\_\_ Prime form: \_\_\_\_\_ Interval vector: \_\_\_\_\_

Set 2. Normal form: \_\_\_\_\_ Prime form: \_\_\_\_\_ Interval vector: \_\_\_\_\_

Set 3. Normal form: \_\_\_\_\_ Prime form: \_\_\_\_\_ Interval vector: \_\_\_\_\_

Sets 1 and 2 combined:

Normal form: \_\_\_\_\_ Prime form: \_\_\_\_\_ Interval vector: \_\_\_\_\_

Section 8. *Transposition ( $T_n$ ) and Inversion ( $T_nI$ ) of Sets.* Transpose or invert the following sets as specified. Write your answers in normal form.

- Transpose [7, 10, 11] at  $T_8$ : [ \_\_ , \_\_ , \_\_ ]
- Transpose [4, 5, 8, 10, 11] at  $T_{10}$ : [ \_\_ , \_\_ , \_\_ , \_\_ , \_\_ ]
- Invert [1, 4, 5] at  $T_8I$ : [ \_\_ , \_\_ , \_\_ ]
- Invert [3, 4, 9, 10] at  $T_7I$ : [ \_\_ , \_\_ , \_\_ , \_\_ ]

Section 9. *Twelve-Tone Technique.* Identify  $P_4$  and the three other row forms in the example below; specify the order of notes in the row (or “do a 12-count”). Follow the rows all the way through—there are slight differences. Also, notate the two row forms specified below.

Notate  $I_5$

Notate  $RI_7$

Notate  $R_{10}$