

PREVIOUS YEAR PAPER

UP TGT 2021 — Music Vocal (Series A)

UP TGT · 7 or 8 August 2021

125 questions · +4 for a correct answer, -0 for a wrong one · 120 minutes

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Questions from the U.P. Secondary Education Services Selection Board's paper of 7 or 8 August 2021. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/up-tgt/previous-year-papers/up-tgt-2021-music-vocal-series-a/

Music Vocal

1. Deepchandi Taal is suitable for

- (a) Bada Khyal
- (b) Chhota Khyal
- (c) Tarana
- (d) Thumari

Answer: (d)

2. The phrase Re Ga Re Sa is the part of which Raga ?

- (a) Todi
- (b) Kalyan
- (c) Purvi
- (d) Kafi

Answer: (a)

3. Dhin tirkít (x) | Dhi na (2) | Tu Na (0) | Ka tta (3) | Tirkít Dhi (0) | Na Dhi (4) | Dhi Na (0)
Identify the Taal.

- (a) Aada Char Taal
- (b) Jhumara
- (c) Gajjhampa
- (d) Pancham Sawari

Answer: (a)

4. Oftenly in which vocal style the sultaal is accompanied ?

- (a) Khyal
- (b) Dhrupad
- (c) Dhamar
- (d) Thumari

Answer: (b)

5. Which pair is correct ?

- (a) Purvang – Uttarang
- (b) Vakra – Anuvadi
- (c) Kampan – Mid
- (d) Alankar – Sargam

Answer: (a)

6. How many raagas are mentioned by Pt. Sharangdev in Marga Sangeet and Deshi Sangeet ?

- (a) 264
- (b) 265
- (c) 263
- (d) 364

Answer: (a)

7. How many veenas are used in Bharat's Sarana Chatushtayi Paddhati ?

- (a) One
- (b) Three
- (c) Two
- (d) Four

Answer: (c)

8. What is the time of Pt. Vidyaranya ?

- (a) 7th Century
- (b) 14th Century
- (c) 13th Century
- (d) 17th Century

Answer: (b)

9. Whose disciple was Pt. Omkar Nath Thakur ?

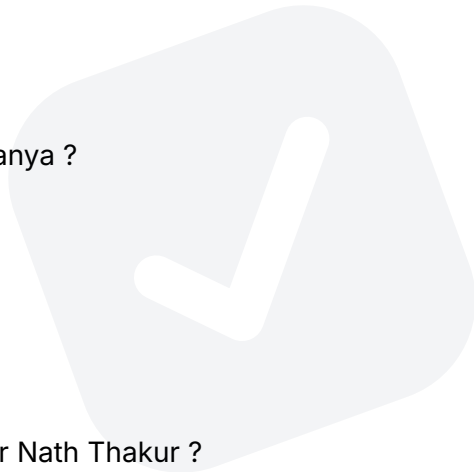
- (a) Pt. V. N. Bhattachande
- (b) Pt. Vishnu Digambar Paluskar
- (c) Raja Bhaiya Poonchwale
- (d) Pt. B. R. Devdhar

Answer: (b)

10. How many divisions are there in Dhrupad ?

- (a) Four
- (b) Two
- (c) Three
- (d) Five

Answer: (a)



11. The Granth composed by Pt. Ahobal is

- (a) Sangeet Makarand
- (b) Sangeet Shiromani
- (c) Sangeet Darpan
- (d) Sangeet Parijat

Answer: (d)

12. Which one is wind instrument ?

- (a) Tabla
- (b) Harmonium
- (c) Ghanta
- (d) Sitar

Answer: (b)

13. The number of main Varnas of tabla are

- (a) 10
- (b) 8
- (c) 5
- (d) 16

Answer: (a)

14. Sa Ni s Sa, Ma, Ma Ga Ma Ga Re Sa. Identify the raga.

- (a) Kafi
- (b) Miyan Malhar
- (c) Bheem palasi
- (d) Asawari

Answer: (c)

15. Raga Bhupali is

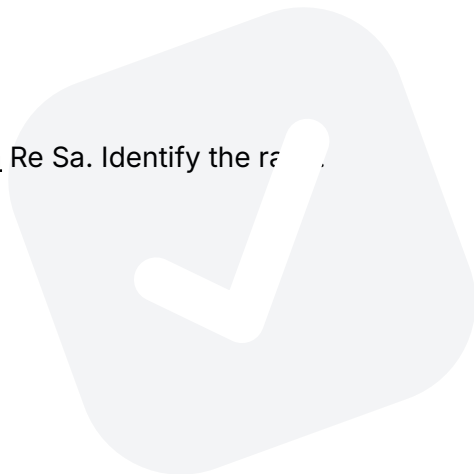
- (a) Audav
- (b) Shadav
- (c) Sampurna
- (d) Chhayalag

Answer: (a)

16. The word 'Humphit' is related with

- (a) Shruti
- (b) Murchana
- (c) Alap
- (d) Gamak

Answer: (d)



17. Which Hindustani Raag is similar to Kharhar Priya Mel of Karnataka music ?

- (a) Bhairavi
- (b) Kafi
- (c) Maarva
- (d) Asawari

Answer: (b)

18. How many kinds of Kaku are there ?

- (a) 2
- (b) 4
- (c) 6
- (d) 8

Answer: (c)

19. What is the meaning of 'Ansha Swar' in music ?

- (a) Uddatt Swar
- (b) Anuvadi Swar
- (c) Vadi Swar
- (d) Sanchari Swar

Answer: (c)

20. Identify the laya in which (Dha Dhi) (Na Dha) (Tu Na) Taal is written (each pair is joined by a curve in the booklet).

- (a) Dugun
- (b) Tigun
- (c) Chougun
- (d) Aad

Answer: (a)

21. 'x' is symbol for

- (a) Drut
- (b) Laghu
- (c) Anudrut
- (d) Kakpad

Answer: (d)

22. The name of famous taal for khule bol

- (a) Teentaal
- (b) Rupak
- (c) Chartaal
- (d) Ektaal

Answer: (c)

23. How many Upjati of Raag are there ?

- (a) 3
- (b) 15
- (c) 18
- (d) 9

Answer: (d)

24. On which shruti Pancham is placed in Shadja Gram ?

- (a) 12
- (b) 13
- (c) 17
- (d) 20

Answer: (c)

25. How many beats are there in Gajjhampa Taal ?

- (a) 16
- (b) 14
- (c) 17
- (d) 15

Answer: (d)

26. The second name of Sargam Geet is

- (a) Sursaagar
- (b) Sursingar
- (c) Swarmalika
- (d) Sursangam

Answer: (c)

27. When did Bhatkhandeji establish Madhav Sangeet Mahavidyalaya ?

- (a) 1901
- (b) 1913
- (c) 1918
- (d) 1926

Answer: (c)

28. The singing time of Raag Asawari is

- (a) Din Ka Pratham Prahar
- (b) Din Ka Dvitiya Prahar
- (c) Din Ka Tritiya Prahar
- (d) Din Ka Chaturth Prahar

Answer: (b)



29. What is the difference between Ek Taal and Char Taal ?

- (a) Beats
- (b) Division
- (c) Theka
- (d) Taali – Khali

Answer: (c)

30. In which granth first mentions the fifteen types of gamak ?

- (a) Natyashastra
- (b) Sangeet Ratnakar
- (c) Sangeet Darpan
- (d) Vrihhadeshi

Answer: (b)

31. Which among the following is the Ashraya Raga ?

- (a) Purvi
- (b) Malkauns
- (c) Bhupali
- (d) Bihag

Answer: (a)

32. The khali of Dhamar Taal will be on _____ matra

- (a) 9
- (b) 10
- (c) 8
- (d) 7

Answer: (c)

33. Who wrote commentary on 'Sangeet Ratnakar' ?

- (a) Vyankatmakhi
- (b) Matang
- (c) Kallinath
- (d) Sharangdev

Answer: (c)

34. 'Kalopnata' is the murchana of

- (a) Madhyam Gram
- (b) Deshi Gram
- (c) Pancham Gram
- (d) Shadja Gram

Answer: (a)

35. Which one is not an Ashray Raag ?

- (a) Asawari
- (b) Bhairav
- (c) Darbari
- (d) Kafi

Answer: (c)

36. What is Uttarayata ?

- (a) Shruti
- (b) Alap
- (c) Murchana
- (d) Jati

Answer: (c)

37. Phrase Ni Pa, Ma Ga s Ma Re Sa belongs to which Anga ?

- (a) Sarang
- (b) Kanhada
- (c) Bihag
- (d) Malhar

Answer: (b)

38. Which one is Atieshta Swara ? (In the options, (k) marks a komal swara.)

- (a) Ga
- (b) Ga (k)
- (c) Ma
- (d) Dha

Answer: (c)

39. The 9th shruti in the shruti sequence is

- (a) Ranjani
- (b) Krodha
- (c) Vajrika
- (d) Marjani

Answer: (b)

40. What is the main purpose of Sarna Chatushtayee ?

- (a) To prove the twentytwo shrutis
- (b) To explain the shruti of each swara
- (c) To establish swara on the length of string
- (d) To clearly prove the Komal and Tivra swara

Answer: (b)

41. Which music savior has organized five "All India Music Conference" to remove the confusion in musicology ?

- (a) Pt. Vishnu Digambar Paluskar
- (b) Pt. Omkar Nath Thakur
- (c) Acharya Brihaspati
- (d) Pt. Vishnu Narayan Bhatkhande

Answer: (d)

42. The shuddha swar Ni of North Indian Music is called in Karnatak music as

- (a) Sadharan Ni
- (b) Kaishik Ni
- (c) Kakali Ni
- (d) Komal Ni

Answer: (c)

43. How many Lakshanas of Jatis mentioned by Bharat ?

- (a) Seven
- (b) Eight
- (c) Nine
- (d) Ten

Answer: (d)

44. Identify the Pakad of Raag Todi. (In the options, / marks a komal swara and (m) a swara of the lower octave.)

- (a) Sa Sa, Re Re, Ga (k) Ga (k), Ma Ma,
- (b) Re, Ma Pa, Ni (k) Ga (k), Pa
- (c) Ma Ga (k), Sa Re (k) Sa, Dha (k, m) Ni (m) Sa
- (d) Dha (k, m) Ni (m) Sa, Re (k) Ga (k) Re (k) Ga (k) Re (k) Sa

Answer: (d)

45. How many Chapters are there in Natyashastra written by Bharat ?

- (a) 32
- (b) 34
- (c) 33
- (d) 36

Answer: (d)

46. Which taal is the odd one ?

- (a) Adachartaal
- (b) Deepchandi
- (c) Dhamar
- (d) Gajjhampa

Answer: (d)

47. The Vadi Swar of Raag Malkounsa is (In the options, (k) marks a komal swara.)

- (a) Sa
- (b) Ga (k)
- (c) Dha (k)
- (d) Ma

Answer: (d)

48. How many minimum notes are essential to use in a Raga ?

- (a) Five
- (b) Seven
- (c) Eight
- (d) Twelve

Answer: (a)

49. In which raga two types of madhyam are used ?

- (a) Asavari
- (b) Kafi
- (c) Purvi
- (d) Darbari

Answer: (c)

50. How many total Jatis are there in Shadja Gram and Madhyam Gram ?

- (a) 7
- (b) 11
- (c) 12
- (d) 18

Answer: (d)

51. Which note of Karnatak Music is similar from Hindustani Swar Komal 'Dha' ?

- (a) Prati Ma
- (b) Komal Dha
- (c) Shuddha Dha
- (d) Shuddha Ni

Answer: (c)

52. Who is the vocalist among the following ?

- (a) Samata Prasad
- (b) Gopi Krishna
- (c) Vijay Raghav Rai
- (d) Pt. Jasraj

Answer: (d)

53. Swami Haridas was a singer of

- (a) Tappa
- (b) Chaturanga
- (c) Dhrupad
- (d) Khyal

Answer: (c)

54. The main types of laya are

- (a) Three
- (b) Five
- (c) Six
- (d) Seven

Answer: (a)

55. According to division of Pancham Sawari Taal, the beats (Matra) are like

- (a) 4, 4, 4, 3
- (b) 3, 4, 4, 4
- (c) 4, 3, 4, 4
- (d) 4, 4, 3, 4

Answer: (b)

56. Which honor was awarded to Pt. Omkar Nath Thakur ?

- (a) Padma Bhushan
- (b) Padma Shri
- (c) Padma Vibhushan
- (d) Bharat Ratna

Answer: (b)

57. Raga and taal baddha composition is called

- (a) Lakshan geet
- (b) Sargam geet
- (c) Dhrupad geet
- (d) Khyal geet

Answer: (b)

58. Who have conceived the concept of Praman Shruti ?

- (a) Pt. Sharangdev
- (b) Bharat
- (c) Matang
- (d) Pt. Bhatkhande

Answer: (b)

59. The Swar Group of Raga Asawari is (In the options, (k) marks a komal swara.)

- (a) Re Ma Pa, Ni (k) Dha (k) Pa
- (b) Sa Ma, Ma Pa Ga (k) Ma
- (c) Re Ga Sa Re, Ga (k) Ga (k) Ma
- (d) Ga Ma Pa, Ga Ma Ga

Answer: (a)

60. Whose musical work is 'Pranav Bharati' ?

- (a) Pt. Balwantrao Bhatt
- (b) B. R. Devdhar
- (c) Balkrishna Bua
- (d) Pt. Omkar Nath Thakur

Answer: (d)

61. Ni Dha Ni Śa phrase is commonly used in which of the following Ragas ?

- (a) Bageshree
- (b) Kedar
- (c) Miyamalhar
- (d) Purvi

Answer: (c)

62. In which Granth 20 types of Gamak are mentioned?

- (a) Sangeet Ratnakar
- (b) Sangeet Parijat
- (c) Sangeet Samaysaar
- (d) Sangeet Darpan

Answer: (b)

63. In which raag the combination of swaras Ga Ma Re Sa is used ?

- (a) Malkauns
- (b) Bhimpalasi
- (c) Bihag
- (d) Darbari

Answer: (d)

64. Bhatkhande has established ten thaats on the basis of

- (a) Twenty melas of Bhavbhata
- (b) Seventy two melas of Vyankatmakhi
- (c) Twelve Sansthanas of Lochan
- (d) Nine melas of Shri Kanth

Answer: (b)

65. The Murchana beginning from Pancham in Shadja gram is

- (a) Ashwakranta
- (b) Uttarayata
- (c) Shuddha Shadja
- (d) Matsarikrita

Answer: (c)

66. In which granth, the term 'Rag' is used first time ?

- (a) Natyashashtra
- (b) Sangeet Ratnakar
- (c) Vrihhadeshi
- (d) Sangeet Parijat

Answer: (c)

67. How many main features are there of Naad ?

- (a) Three
- (b) Four
- (c) Five
- (d) Seven

Answer: (a)

68. What is Kajari ?

- (a) A song of Muslim devotional music
- (b) A folk song of Gujarat
- (c) A song of adoration
- (d) A Rainy season's song of North India, sung in thumari form

Answer: (d)

69. The sign of Khali in Vishnu-Digamber Notation System is

- (a) ×
- (b) 0
- (c) +
- (d) 9

Answer: (c)

70. Who was the inventor of Tarana ?

- (a) Amir Khusro
- (b) Taansen
- (c) Baiju
- (d) Gopal Nayak

Answer: (a)

71. Which one is eastern Thumari ?

- (a) Punjab
- (b) Banaras
- (c) Lucknow
- (d) Patiyala

Answer: (b)

72. Sphurit is

- (a) Gamak
- (b) Tan
- (c) Kan
- (d) Raga

Answer: (a)

73. Which taal is accompanied with Vilambit Khyal ?

- (a) Jhumara
- (b) Tivra
- (c) Chartaal
- (d) Dadra

Answer: (a)

74. Who for the first time introduced Bilawal as a Shur or a Thaata ?

- (a) Abul Fazal
- (b) Muhammad Raza
- (c) Pt. V. N. Bhattachande
- (d) Pt. V. D. Paluskar

Answer: (b)

75. Types of raga have been mentioned in ancient books

- (a) Seven
- (b) Three
- (c) Nine
- (d) Twelve

Answer: (b)

76. How many parts are there in Chaturang ?

- (a) Two
- (b) Three
- (c) Four
- (d) Five

Answer: (c)

77. Which singing style is sung after Dhrupad ?

- (a) Khyal
- (b) Thumari
- (c) Dhamar
- (d) Tarana

Answer: (c)

78. The writer of Swarmelkala Nidhi is

- (a) Lochan
- (b) Somnath
- (c) Ramamatya
- (d) Pundarik Vitthal

Answer: (c)

79. How many Thaats are there in Hindustani Music ?

- (a) Five
- (b) Seven
- (c) Ten
- (d) Twelve

Answer: (c)

80. How many meanings of Alankar are there in music ?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Answer: (b)

81. Who has mentioned the Ragang Vargikaran ?

- (a) Narayan Moreishwar Khare
- (b) Acharya Brihaspati
- (c) Pt. Vinayak Rav Patvardhan
- (d) Pt. Vishnu Digambar Paluskar

Answer: (a)

82. Prasarini is the name of

- (a) Murchana
- (b) Shruti
- (c) Raga
- (d) Thaata

Answer: (b)

83. Which Taal is played with saadara ?

- (a) Chartaal
- (b) Dhamar
- (c) Jhaptaal
- (d) Tivara

Answer: (c)

84. Where is best suited the Tilwada Taal ?

- (a) Drut Khyal
- (b) Tappa
- (c) Tarana
- (d) Vilambet Khyal

Answer: (d)

85. 'Lalanpiya' is related to

- (a) Thumari
- (b) Dhrupad
- (c) Tarana
- (d) Tappa

Answer: (a)

86. Rasulan Bai was

- (a) Khyal Singer
- (b) Gazal Singer
- (c) Thumari Singer
- (d) Kavvali Singer

Answer: (c)

87. The Father of Taansen was

- (a) Makarand Pandey
- (b) Manohar Pandey
- (c) Markande Pandey
- (d) Mangal Pandey

Answer: (a)

88. What was the real name of Sadarang ?

- (a) Naubat Khan
- (b) Niyamat Khan
- (c) Firoj Khan
- (d) Mansingh

Answer: (b)



89. Whose nickname is 'Pranavrang' ?

- (a) Faiyaz Khan
- (b) Pt. Balvantraai Bhatt
- (c) Amir Khan
- (d) Pt. Omkar Nath Thakur

Answer: (d)

90. Miyan Shori was famous singer of

- (a) Gazal
- (b) Khyal
- (c) Thumari
- (d) Tappa

Answer: (d)

91. What is a Gram ?

- (a) A group of five notes
- (b) An ancient standard scale
- (c) A kind of music
- (d) Third section of the composition

Answer: (b)

92. According to ancient writers on which shruti, Dha is placed ?

- (a) 13
- (b) 18
- (c) 22
- (d) 20

Answer: (d)

93. How many beats (matra) are there in Pancham Sawari Taal ?

- (a) 16
- (b) 12
- (c) 14
- (d) 15

Answer: (d)

94. The term Rupakalap is related with

- (a) Shruti
- (b) Alap
- (c) Murchana
- (d) Jati

Answer: (b)

95. Tivra Madhyam of North Indian music is called in South Indian music

- (a) Prati Madhyam
- (b) Pancham
- (c) Shuddha Madhyam
- (d) Panch Shrutik Dhaiwat

Answer: (a)

96. How many Chapters are there in 'Sangeet Ratnakar' ?

- (a) Six
- (b) Seven
- (c) Eight
- (d) Nineteen

Answer: (b)

97. Among these which one is the Raag of Audav – Sampurna Jaati ?

- (a) Bihag
- (b) Miyan Malhar
- (c) Malkounsa
- (d) Kedar

Answer: (a)

98. From which phrase 'Kauns Anga' is signified ? (In all options, (k) marks a komal swara.)

- (a) Ga (k) Ma Ga (k) Sa
- (b) Ma Dha (k) Ni (k) Śa
- (c) Sa Ga (k) Ma Dha (k)
- (d) Ma Ga (k) Ma Sa

Answer: (a)

99. Which pair is not similar out of the following ?

- (a) Jhaptaal, Sultaal
- (b) Ektaal, Chartaal
- (c) Teental, Tilvara
- (d) Panchamsavari, Deepchandi

Answer: (d)

100. When was Pt. Vishnu Digambar Paluskar born ?

- (a) 18 August 1872
- (b) 18 August 1869
- (c) 28 September 1873
- (d) 20 July 1872

Answer: (a)

101. How many swaras are there in a Saptaka ?

- (a) 5 swara
- (b) 3 swara
- (c) 7 swara
- (d) 21 swara

Answer: (c)

102. On which shruti, Pancham of Madhyam Gram is placed ?

- (a) Sandipani
- (b) Alapini
- (c) Tivra
- (d) Mandara

Answer: (a)

103. In which text book is obtained the first written description of musicology in ancient time ?

- (a) Natyashastra
- (b) Brihaddeshi
- (c) Dattilam
- (d) Sangeet Ratnakar

Answer: (a)

104. From which Thaati, Raag Miyan Malhar is originated ?

- (a) Asawari
- (b) Khamaj
- (c) Kafi
- (d) Bhairavi

Answer: (c)

105. How many Murchanas are there in Shadja Gram ?

- (a) Five
- (b) Twenty one
- (c) Nine
- (d) Seven

Answer: (d)

106. Who was the Kalavant of Dagur Bani ?

- (a) Taansen
- (b) Raja Samokhan Singh
- (c) Brajchand
- (d) Shrichand Rajaput

Answer: (c)

107. With which vocal style, Teen Taal is used ?

- (a) Bada Khyal
- (b) Chhota Khyal
- (c) Dhruvpad
- (d) Thumari

Answer: (b)

108. Who was the first musician to consider the place of the 12 swaras on the length of the strings of veena ?

- (a) Ahobal
- (b) Shrinivas
- (c) Lochan
- (d) Bharat

Answer: (a)

109. What is a music ?

- (a) Music is a Fine Art.
- (b) Music is a Kaaru Kala.
- (c) Music is a Sculpture.
- (d) Music is only a Vocal Art.

Answer: (a)

110. How many swaras was used by Vyankatmakhi to prepare the 72 mel ?

- (a) 8
- (b) 7
- (c) 12
- (d) 18

Answer: (c)

111. What is Ghurach ?

- (a) Joining place of Tumba and Daand
- (b) Haddi ki Patti on Daand
- (c) Place of keeping the strings stable
- (d) 4 kunjis of the wood

Answer: (c)

112. The Shuddha Saptak of ancient time was

- (a) Nishad Gram
- (b) Shadja Gram
- (c) Madhyam Gram
- (d) Gandhar Gram

Answer: (b)

113. Shatshruti 'Dha' or Kashik 'Ni' of South Indian music is called in North Indian music

- (a) Komal Dha
- (b) Komal Ni
- (c) Shuddha Ni
- (d) Shuddha Dha

Answer: (b)

114. How many Gattas are used in Tabla ?

- (a) Eight
- (b) Nine
- (c) Ten
- (d) Twelve

Answer: (a)

115. On which shruti, the swaras was situated in middle time ?

- (a) First
- (b) Second
- (c) Third
- (d) Last

Answer: (d)

116. With which musician is related Nagar 'Dhanbarh'

- (a) Aahobal
- (b) Sharangdev
- (c) Matang
- (d) Bharat

Answer: (a)

117. When was Sangeet Parijat written ?

- (a) Archaic Period
- (b) Ancient Period
- (c) Medieval Period
- (d) Modern Period

Answer: (c)

118. Who is credited for publicity of Thaata Raag Vargikaran ?

- (a) Omkar Nath Thakur
- (b) Vishnu Digambar Paluskar
- (c) Vishnu Narayan Bhatkhande
- (d) Acharya Brihaspati

Answer: (c)

119. On which Shruti, Gandhar Swara was emplaced in ancient time ?

- (a) Krodha
- (b) Raktika
- (c) Vajrika
- (d) Roudri

Answer: (a)

120. The playing tones on Tanpura are (In the options, (m) marks a swara of the lower octave.)

- (a) Pa (m), Sa, Sa, Sa (m)
- (b) Pa, Sa, Sa, Sa
- (c) Pa (m), Sa, Sa, Sa
- (d) Pa, Sa, Sa, Sa (m)

Answer: (a)

121. According to modern author, what are the number of vibrations of Shuddha Madhyam Swar ?

- (a) 270
- (b) 288
- (c) 320
- (d) 360

Answer: (c)

122. Which Jati's Raagas are sung in five swara ?

- (a) Shadav
- (b) Sampurna
- (c) Chaturashra
- (d) Audav

Answer: (d)

123. From which Veda, music is originated ?

- (a) Rigveda
- (b) Yajurveda
- (c) Atharvaveda
- (d) Samaveda

Answer: (d)

124. With which Gharana, Taansen was related ?

- (a) Gwalior Gharana
- (b) Patiyala Gharana
- (c) Seniya Gharana
- (d) Kirana Gharana

Answer: (c)

125. In which vocal style Chartaal is used ?

- (a) Bada Khyal
- (b) Thumari
- (c) Dhrupad
- (d) Tappa

Answer: (c)



Answer key

Answer key from the U.P. Secondary Education Services Selection Board's official answer key for this sitting. "—" means the key gave none.

Music Vocal

1	(d)	2	(a)	3	(a)	4	(b)	5	(a)	6	(a)	7	(c)	8	(b)
9	(b)	10	(a)	11	(d)	12	(b)	13	(a)	14	(c)	15	(a)	16	(d)
17	(b)	18	(c)	19	(c)	20	(a)	21	(d)	22	(c)	23	(d)	24	(c)
25	(d)	26	(c)	27	(c)	28	(b)	29	(c)	30	(b)	31	(a)	32	(c)
33	(c)	34	(a)	35	(c)	36	(c)	37	(b)	38	(c)	39	(b)	40	(b)
41	(d)	42	(c)	43	(d)	44	(d)	45	(d)	46	(d)	47	(d)	48	(a)
49	(c)	50	(d)	51	(c)	52	(d)	53	(c)	54	(a)	55	(b)	56	(b)
57	(b)	58	(b)	59	(a)	60	(d)	61	(c)	62	(b)	63	(d)	64	(b)
65	(c)	66	(c)	67	(a)	68	(d)	69	(c)	70	(a)	71	(b)	72	(a)
73	(a)	74	(b)	75	(b)	76	(c)	77	(c)	78	(c)	79	(c)	80	(b)
81	(a)	82	(b)	83	(c)	84	(d)	85	(a)	86	(c)	87	(a)	88	(b)
89	(d)	90	(d)	91	(b)	92	(d)	93	(d)	94	(b)	95	(a)	96	(b)
97	(a)	98	(a)	99	(d)	100	(a)	101	(c)	102	(a)	103	(a)	104	(c)
105	(d)	106	(c)	107	(b)	108	(a)	109	(a)	110	(c)	111	(c)	112	(b)
113	(b)	114	(a)	115	(d)	116	(a)	117	(c)	118	(c)	119	(a)	120	(a)
121	(c)	122	(d)	123	(d)	124	(c)	12	(c)						