

SIXTH SEMESTER BPA DEGREE EXAMINATION

VOCAL, VEENA & VIOLIN

VO/VE/VI/MR/DA 1643 Core Course XII-Theory

Music, Science and Technology

Time: 3 hours

Total Marks 80

I Write Answers in one or two sentences

(1x10=10)

1. What is Pitch?
2. What is an Harmonic Motion
3. Expand MP3
4. Name the branch of science which deals the study of sound
5. Name three software's in which sound is recorded and edited
6. What is digital music
7. The element to which Pitch is closely related
8. Expand MIDI
9. An organ which is commonly called the Voice box
10. The word which denote the tone colour or tone quality in music

II. Answer any 8 from 12 of the following not exceeding one paragraph

(8x2=16)

11. What is Analogue music?
12. What is the impact of the resonance of sound
13. Explain some file formats of Digital sound
14. What do you mean by Intensity of sound
15. What are the laws of vibration of strings
16. Define Timbre
17. What are the basic principles of acoustics
18. What is the advantage of the software, Audacity

19. Explain Digital storage of music
20. What is the effect of compression of sound
21. Explain the Production and transmission of sound

III . Write short essay on any 6 from the 9 of the following (6x4=24)

22. Digital music
23. MIDI instruments
24. Digital storage of music
25. Resonance
26. Audacity
27. Amplitude

IV Write an essay on any 2 from the 4 of the following (15x2=30)

32. Describe the human ear with the help of a diagram
33. The basic principles of acoustics
34. Computer and Music
35. Describe the larynx with the help of a diagram