

- Q.6 Expand the DVD-ROM  
 Q.7 \_\_\_\_\_ and \_\_\_\_\_ are the two moving part in moving coil microphone  
 Q.8 Recording on CD is performed using laser beams in optical recording.(True/False)  
 Q.9 Name the constructional material used in manufacturing of CDs.  
 Q.10 Frequency range of woofer lies between \_\_\_\_\_ to \_\_\_\_\_ Hz.

### **SECTION-B**

- Note:** Short answer type questions. Attempt any six questions out of eight questions.  $6 \times 5 = 30$   
 Q.11 Describe about the optical recording for DVD.  
 Q.12 Differentiate between CD and DVD.  
 Q.13 Outline the frequency characteristics of practical loudspeakers.  
 Q.14 Discuss the principle of piezoelectric microphone.  
 Q.15 How is a microphone constructed?  
 Q.16 Outline the differentiating features between Woofer and Tweeter.  
 Q.17 Tabulate the faults encountered during recording of DVD.  
 Q.18 How does working of moving coil microphone differs from carbon microphone?

### **SECTION-C**

- Note:** Long answer type questions. Attempt any one questions out of two questions.  $1 \times 10 = 10$   
 Q.19 Explain the principle, working and construction of variable Capacitance Microphone.  
 Q.20 Explain the process of CD manufacturing in detail.

No. of Printed Pages : 2

Roll No. ....

188531

**Level 4 / 1st. Sem. / DVOC**  
**Medical Imaging Tech., EMS**  
**Subject : Trouble Shooting & Maintenance of Electronic Equipments-I**

Time : 2 Hrs.

M.M. : 50

### **SECTION-A**

**Note:** Very short answer type questions. All questions are compulsory  $(10 \times 1 = 10)$

- Q.1 Woofer is also known as.  
 a) Treble speaker      b) Bass speaker  
 c) Loud speaker      d) All of above  
 Q.2 Instrument that convert sound energy into electric energy is.  
 a) Loudspeaker      b) Microphone  
 c) Dynamo      d) None of above  
 Q.3 Frequency used for tuning musical instruments is  
 a) 220Hz      b) 1000Hz  
 c) 440Hz      d) 100Hz  
 Q.4 Tweeter produces.  
 a) High frequency sounds  
 b) Low end bass  
 c) Mid-high to mid low sounds  
 d) Low frequency sounds  
 Q.5 Storage capacity of a standard single sided DVD is  
 a) 8.5 Gigabytes      b) 4.7 Gigabytes  
 c) 5.5 Gigabytes      d) 6.2 Gigabytes