

ShriShivaji Maratha Society's  
 S.B.B Alias Appasaheb Jedhe College of Arts, Commerce and Science  
 ShukrawarPeth Pune- 02  
 S.Y. B.Sc. Microbiology Internal examination 2016 -17  
 Term - II  
**AIR AND WATER MICROBIOLOGY**

Name of the Candidate: ..... Roll No. : .....  
 Max. Marks: 10 Time: 40 Min.  
 Date: Sign of Junior Supervisor: \_\_\_\_\_

**Q. 1. Choose the Correct Alternative (2<sup>1/2</sup>)**

1. .... is causative agent of diphtheria.  
 a) *Corynebacterium diphtheria*    b) Influenza virus  
 c) *Streptococcus pneumoniae*    d) *Neisseria meningitidis*
2. .... is released from air conditioning system and refrigerators.  
 a) Chlorofluorocarbon    b) Nitrogen dioxide  
 c) Sulfur dioxide    d) none of above
3. .... are responsible for acid rain.  
 a) CO    b) NO<sub>2</sub>  
 c) SO<sub>2</sub>    d) none of above
4. .... is the fungal air borne infection  
 a) Common cold    b) Tuberculosis  
 c) Aspergillosis    d) Diphtheria
5. .... is the viral air borne infection.  
 a) Tuberculosis    b) Common cold  
 c) Aspergillosis    d) None of above

**Q.2. Match the following (2<sup>1/2</sup>)**

- |                   |                                      |
|-------------------|--------------------------------------|
| 1. Tuberculosis   | a. <i>Aspergillus fumigates</i>      |
| 2. Whooping cough | b. <i>Varicella zoster virus</i>     |
| 3. Chicken pox    | c. <i>Mycobacterium tuberculosis</i> |
| 4. Influenza      | d. <i>Bordetella pertussis</i>       |
| 5. Aspergillosis  | e. <i>Influenza Virus</i>            |

Ans: 1..... 2..... 3..... 4..... 5.....

**Q.3. Answer the following (2<sup>1/2</sup>)**

1. Define droplet nuclei-

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.....  
.....

2. Define aerosols-

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.....  
.....

3. What is air flora -

.....  
.....  
.....

4. Give any two examples of fungal air borne infections-

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.....  
.....

5. Describe air sampling by centrifugation process -

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.....  
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**Q. 4. Answer the following**

**(2<sup>1/2</sup>)**

1. What are HEPA filters?

.....  
.....  
.....

2. Enlist examples of chemical pollutants.

.....  
.....  
.....

3. Give any two physical methods of air sanitation.

.....  
.....  
.....

4. Enlist the examples of bacterial air borne infections.

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