

**Short Term**

**III**

# **Certificate Course**

**In**

**Control and Prevention of Respiratory  
Viruses Including COVID-19**

**By**

**Department of zoology**

**Mahatma Gandhi Vidyamandir's**

**Arts, Commerce & Science College, Malegaon**

# **City 2020-2021**

## **Course Overview**

<b>Name of the Course</b>	<b>Control and prevention of Respiratory viruses including covid-19</b>
<b>Level</b>	<b>Certificate</b>
<b>Duration</b>	<b>30 hrs</b>
<b>Course Credit</b>	<b>2</b>
<b>Eligibility</b>	<b>Undergraduate science students upto TYBSc</b>
<b>Course Fee</b>	<b>Free of Cost</b>
<b>Structure</b>	<b>Theory- 25 hrs &amp; 05-hrs internal activity</b>
<b>Assessment</b>	<b>At the end of the course. MCQ type assessment will be the conducted with Oral/Viva performed during the course</b>
<b>Attendance</b>	<b>Enrolled students have to give 75% attendance in theory and oral, failing which no certificate will be awarded</b>
<b>Course Co-ordinator</b>	<b>Prof. Shahebaz Husain (Department of zoology) Email:shahebazidh10@gmail.com</b>
<b>Course Convener</b>	<b>Dr. Arif Anjum Vice Principal Arts, Science And Commerce College, Malegaon City</b>

➤ **Introduction:**

The purpose of this course is to provide a general information to COVID-19 and emerging respiratory viruses and nature of emerging respiratory viruses, how to detect and assess an outbreak, strategies for preventing and controlling outbreaks due to novel respiratory viruses. These brief guidelines should serve as a reminder things, People can do Stay home and self-isolate even with minor symptoms such as cough, headache, mild fever, until you recover. If you have a fever, cough and difficulty breathing, seek medical attention. Avoid touching eyes, nose or mouth with hands; Avoid contact with sick animals or spoiled animal products.

➤ **Learning Objectives:**

The students are expected to learn following points and implement in daily life;

1. What is the corona virus disease.
2. What hygiene practices should I follow to reduce the risk of getting COVID-19
3. Covid-19 affect the respiratory tract
4. What is ventilation and how can it prevent COVID-19 from spreading
5. What can I do to prevent the spread of the corona virus disease
6. What are the strategies implemented for the control of the COVID-19 pandemic

➤ **Learning Outcomes:**

1. The lungs are the first body organ affected by COVID-19. In the early days of an infection, the novel coronavirus rapidly invades cells in our respiratory system.
2. COVID-19 is thought to attack the epithelial cells lining the airways—that catch and clear out things like pollen and viruses—flooding our airways with debris and fluids.
3. People who become sick with COVID-19 may experience mild to severe disease, or in many cases be asymptomatic (have no symptoms). COVID-19 symptoms, such as cough and shortness of breath, can come on suddenly. Severe illness may cause a

number of complications that require medical intervention, including:

Pneumonia  
Acute respiratory distress syndrome  
Cardiac disease  
Blood clots  
Kidney disease  
Organ failure

### **Board of Studies**

1. Prof. Parvez akhter Department of Zoology ASC College Malegaon City.	Chairman
2. Prof. Shahebaz AJ Department of Zoology ASC College Malegaon City.	Member
3. Prof. Shahebaz Husain Department of Zoology ASC College Malegaon City.	Member
4. Shaikh Naziya Department of Botany ASC College Malegaon City.	Member

## SYLLABUS

### **Chapter-01: Diseases**

**[05 Hrs]**

Introduction, Types of diseases, Symptoms, Mode of infection, Healthy diet

### **Chapter-02: Respiratory diseases.**

**[10 Hrs]**

Types of respiratory diseases, How they are transmitted, Symptoms of respiratory diseases, Prevention and control.

### **Chapter-03: Protect Against covid-19**

**[10 Hrs ]**

Acute respiratory infection (ARIs), Severe Acute Respiratory Infection (SARI), How to detect , Health and safety, protect against infection, How they are transmitted, Treatments.

### **References:**

Ref-1: Prevention of Respiratory Diseases – 1<sup>st</sup> Edition – Albert Hirsch –  
Mawww.routledge.com › book

Ref-2: [PDF] prevention and control of chronic respiratory diseases  
www.who.int › GARD Book 2007

Ref-3: World Health Organization. WHO Director-General's remarks at the media briefing on 2019-nCoV on 11 February 2020. Nic

### **Demonstration & Internal activity (Viva / Oral)**

**[05 hrs]**

### **Assessment:**

At the End of course, MCQ type examination will be conducted alongwith oral/viva on theory part during the course. After successful completion and attendance should be above 75%. Examination is compulsory, no certificate will be awarded to any candidate who fails in attendance and examination criteria.

**Dr. Arif Anjum**  
Course Convener

**Prof. Shahebaz Husain**  
Course Coordinator