



**DEPARTMENT : CHEMISTRY**

**ACTIVITY : EXTENSION SERVICE**

**YEAR : 2017-2018**

### **DEPARTMENT OF CHEMISTRY**

DATE	TIME	VENUE
28.02.2018	11:00 a.m. to 12:00 p.m.	Chemistry laboratory EMGYWC
Nature of the Activity		Extension Service
Title		Detection of pH for acid and basic solutions
Convener		<b>Mrs.P.Bhuvaneswari</b> Head & Assistant Professor of Chemistry EMGYWC
Beneficiaries		Panchyat Union Middle School, <b>Students - 14</b>

#### **EXTENSION SERVICE ON "DETECTION OF $p^H$ FOR ACID AND BASIC SOLUTIONS"**

##### **Objectives:**

- To introduce the concept of pH and its significance in chemical analysis.
- To enable students to measure the pH of various solutions using indicators and pH meters.
- To help students differentiate between acidic, basic, and neutral solutions through observation and experimentation.
- To develop skills in handling laboratory tools and techniques related to pH measurement.
- To relate pH values to real-life applications in food, agriculture, environment, and health.


##### **Programme Outcome:**

By the end of the programme, students developed a clear understanding of the concept of pH and its practical importance. They were able to accurately measure the pH of various solutions using both indicators and digital pH meters. Students successfully identified whether a solution was acidic, basic, or neutral and interpreted their findings with scientific reasoning. The activity also enhanced their confidence in using laboratory equipment and applying theoretical knowledge to

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real-world contexts such as environmental monitoring, food quality testing, and agricultural practices.

### Invitation:



**E.M.G YADAVA WOMEN'S COLLEGE, MADURAI - 625014**  
( An Autonomous Institution – Affiliated to Madurai Kamaraj University )  
Re- accredited (3<sup>rd</sup> cycle) with Grade A<sup>+</sup> & CGPA 3.51 by NAAC

**DEPARTMENT OF CHEMISTRY**  
**Extension activity-2017-2018**

Date : 28.02.2018.  
Time : 11am-12pm  
Topic : Detection of  $p^H$  for acid and basic solutions  
Lecture delivered by : P.Shanmuga priya  
III B.Sc chemistry  
Venue : chemistry lab  
Beneficiaries : 8th standard students  
Madurai west panchayat union middle school  
Narayanapuram Madurai-14

*Organized Committee*  
Mrs.P.Bhuvaneswari  
Head of the Department

*Dr.(Mrs) V.Poovazhaki*  
Principal(i/c)



Extension Service on "Detection of pH for acid and basic solutions" - 28.02.2018

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

**1. Student participants:**

<b>Extension Service on "Detection of pH for acid and basic solutions" – 28.02.2018</b>			
<b>S.No.</b>	<b>NAME</b>	<b>CLASS</b>	<b>SCHOOL</b>
1.	P.Sumitha	VIII STD	Panchyat Union Middle School, Madurai
2.	K.Ramya	VIII STD	Panchyat Union Middle School, Madurai
3.	V.Soniya	VIII STD	Panchyat Union Middle School, Madurai
4.	S.Karthika	VIII STD	Panchyat Union Middle School, Madurai
5.	A.Gowri	VIII STD	Panchyat Union Middle School, Madurai
6.	S.Gowsalya	VIII STD	Panchyat Union Middle School, Madurai
7.	P.Ambska	VIII STD	Panchyat Union Middle School, Madurai
8.	K.Kavitha	VIII STD	Panchyat Union Middle School, Madurai
9.	V.Maha	VIII STD	Panchyat Union Middle School, Madurai
10.	S.Sugana	VIII STD	Panchyat Union Middle School, Madurai
11.	R.Kanimozhi	VIII STD	Panchyat Union Middle School, Madurai
12.	P.Rajeshwari	VIII STD	Panchyat Union Middle School, Madurai
13.	S.Sangeetha	VIII STD	Panchyat Union Middle School, Madurai
14.	K.Malar	VIII STD	Panchyat Union Middle School, Madurai