

**Course Syllabus (Final – Semester 1)**

**Learning Group: Mathematics**

**Year Level: 10**

**Subject code**

**Total: 1.0 credit**

**Subject: Math**

No.	Topics	Contents	Objectives	Reference
1	Real numbers	1.1 Whole numbers, natural numbers, counting numbers, integers 1.2 Rational numbers 1.3 Irrational numbers 1.4 Absolute values 1.5 Properties of real numbers	➤ The students should be able to... <ul style="list-style-type: none"> <li>• Identify what whole, natural, counting numbers and integers are</li> <li>• Explain what rational numbers are and solve problems involving rational numbers</li> <li>• Explain what irrational numbers are and solve problems involving irrational numbers</li> <li>• Explain what absolute values are and solve problems involving absolute values</li> <li>• Identify each property of real number</li> </ul>	
2	Indices	2.1 Revision on properties of indices 2.2 Indices and radicals 2.3 Application of indices	➤ The students should be able to... <ul style="list-style-type: none"> <li>• Recognize all properties of indices</li> <li>• Solve problem regarding indices and radicals</li> <li>• Solve advanced problems involving indices</li> <li>• appropriately</li> </ul>	

**Course Syllabus (Finals – Semester 1)****Learning Group: Science****Year Level: 10****Subject code****Total: 1.0 credit****Subject: Biology**

<b>Chapter/Unit</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
10	Homeostasis	10.1 Introduction to Homeostasis 10.2 Homeostasis in cells 10.3 Thermoregulation in humans 10.4 Thermoregulation in mammals 10.5 Blood regulation in humans	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Describe, explain and discuss homeostasis</li><li>➤ Describe, explain and discuss homeostasis in cells</li><li>➤ Describe and explain thermoregulation in humans</li><li>➤ Describe and explain thermoregulation in mammals</li><li>➤ Describe and explain blood sugar regulation in humans</li></ul></li></ul>	Biology Module Page 2-6

**Course Syllabus (Final – Semester 1)**

**Learning Group: Social Studies**

**Year Level: 10**

**Subject code**

**Total: 1.0 credit**

**Subject: History**

Chapter/Unit	Topics	Contents	Objectives	Reference
3	Government and Society	<p>3.1 Political System - Introduction</p> <p>3.2 Governing a Country</p> <ul style="list-style-type: none"> <li>* Administrations</li> <li>* Centralized government and Decentralized government</li> <li>* The system of government in ancient China                             <ul style="list-style-type: none"> <li>- The feudal system</li> <li>- Meritocracy</li> <li>- Examination system in Imperial China</li> </ul> </li> <li>* Ancient India                             <ul style="list-style-type: none"> <li>- The Mauryan Empire</li> <li>- The Gupta Dynasty</li> </ul> </li> <li>* Southeast Asia                             <ul style="list-style-type: none"> <li>- The Khmer</li> <li>- Melaka</li> </ul> </li> </ul> <p>3.3 Social Divisions in a Country</p> <ul style="list-style-type: none"> <li>* Social classes                             <ul style="list-style-type: none"> <li>- China</li> <li>- India</li> <li>- Southeast Asia</li> </ul> </li> <li>* Hierarchies</li> </ul>	<ul style="list-style-type: none"> <li>• By the end of this chapter, students should be able to:                             <ul style="list-style-type: none"> <li>➤ Define terms such as ‘democracy’, ‘autocracy’, and ‘society’.</li> <li>➤ Understand the need for some form of governance.</li> <li>➤ Understand the difference between a centralized government and a decentralized one.</li> <li>➤ Describe the feudal system as used in ancient China.</li> <li>➤ Describe the changes that the ancient Chinese government system went through.</li> <li>➤ Understand the working of meritocracy.</li> <li>➤ Know when where the Mauryan and Gupta civilizations flourished and understand how they were governed.</li> <li>➤ Understand how the Mauryan and Gupta were governed.</li> <li>➤ Know when the Khmer Dynasty flourished and why it is seen as a civilization.</li> <li>➤ Know the development of Melakan Empire.</li> </ul> </li> </ul>	Pages 52 - 77

			<ul style="list-style-type: none"><li>➤ Understand that ancient societies divided themselves up, socially, in a variety of ways, which developed in hierarchies.</li><li>➤ Understand the social hierarchy of ancient China and explain how we know, what evidence we have that helps us to understand this.</li><li>➤ Understand the hierarchy of ancient India.</li><li>➤ Discuss the Khmer social hierarchy in Southeast Asia.</li></ul>	
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