

**Final Exam Contents Form: Semester 1 / 2023**

**Subject: Foundation Mathematics 5    Code: MA30105    Class: EP M6/1-2    Teacher's Name: Keerthi Prabhakar**

<b>Contents</b>	<b>Formative 2</b>	<b>Final Exam</b>	<b>Written Answers</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Properties of Real numbers	✓	✓	✓	Class notes and Worksheets	Content might change because of time constraints.
2. Quadratic Equations	✓	✓	✓		
3. Quadratic Functions	✓	✓	✓		
4. Sketching quadratic functions	✓	✓	✓		
5. Quadratics applications	✓	✓	✓		
6. Completing the square	✓	✓			
7. Sum and product of the roots	✓	✓			
8. Properties of the discriminant	✓	✓			

Formative 2: - Quizzes - Worksheets - Tests

**Subject: M6 Foundation Health Studies and PE    Code: HP30207 and HP30105    Class EP M6/1-2    Teacher's Name: Brian Mallon**

<b>Contents</b>	<b>Formative 2</b>	<b>Final</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Addiction	✓	✓	Exam Review Sheet.	Content might change because of time constraints.
2. Alcohol Awareness	✓	✓		
3. Basketball Rules and Regulations	✓	✓		
4. Futsal Rules and Regulations	✓	✓		
5. Physical Fitness	✓	✓		

**Note: The exam will take place during our last class before exam week.**

**Subject: Universal Mathematics 5    Code: MA30217 Class EP M6/1-2    Teacher's Name: Shiv Kumar**

Contents	Formative 2	Final Exam	Written Answers	Classroom Handouts	Remark
1. Limit of Sequence	✓	✓	✓	<b>Text book</b> (Haese Mathematics 3 <sup>rd</sup> edition)  (Class Worksheets +Handouts)	Content might change because of time constraints.
2. Limits tend to infinity	✓	✓	✓		
3. Limits tends to zero	✓	✓	✓		
4. Trigonometric limits	✓	✓	✓		
5. Indefinite integration	✓	✓	✓		
6. Properties of indefinite integration	✓	✓	✓		
7. Definite integration	✓	✓	✓		
8. Properties definite integration	✓	✓	✓		
9. Application of integration	✓	✓	✓		
10. Area under curve	✓	✓	✓		
11. Area between a curve and a straight line	✓	✓	✓		

**Subject: Foundation English 5**

**Code: EN30105**

**Class: EP M6 1-2**

**Teacher: Jonathan Phillips**

Final Exam Content		Formative 2	Classroom Handouts	Remark
Multiple choice	Adjectives with prepositions Collocations Describing a table Subordinating conjunctions Idiomatic expressions Future tenses	All	<b>Ready for IELTS</b> Material uploaded to Schoology Zoom Lesson Recordings Ready for IELTS Student's Book  A PDF File with material to revise for the exam will be provided the week before the exam.	
Reading	IELTS Reading Questions			
Writing	IELTS Writing Task 1			

**Subject: Reading & Writing 5**

**Code: EN30205**

**Class: EP M6 1-2**

**Teacher: Joshua Bolen**

<b>Final Exam Contents</b>		<b>Formative Score</b>	<b>Classroom Handouts</b>	<b>Remark</b>
Multiple Choice Section	Linking words Subject-Verb Agreement, Verb Tenses Complex sentences, conditionals	All	Worksheets, Notebook work, Schoology.	
Writing Section	IELTS Task 2 Type Essay	All	A PowerPoint presentation with material to revise for the exam will be provided the week before the exam.	

**Subject: Mechanical Properties of Matter and Motion ST30204 Class EP: M6/2 Teacher's Name: Glenn Thomas**

<b>Contents</b>	<b>Formative 2</b>	<b>Final (Multiple choice)</b>	<b>Final (Written Questions)</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Properties of Gases -Ideal Gas laws -Density, Volume and Pressure -PV=nRT	√	√	√	Worksheets, Notebooks, Virtual labs, Videos	Content might change because of time constraints.
2. Nuclear Atom -Calculating de Broglie wavelength - electrons from atoms -thermionic emission and kinetic energy	√	√	√		
3.Nuclear <ul style="list-style-type: none"> <li>• History of the atom</li> <li>• Atomic mass, Atomic Number</li> <li>• Stability of Nucleus and Isotopes</li> <li>• Binding Energy of nucleons</li> <li>• Mass defect and <math>E=mc^2</math></li> <li>• Fission vs Fusion</li> <li>• Binding Energy per nucleon</li> </ul>	√	√	√		
4. Nuclear Energy - thermal nuclear reactors -Advantages/disadvantages of nuclear fusion and fission power	√	√	√		

Formative 2: - Projects - Labs - Class participation -Online Quizzes -Worksheets

**Subject: Universal Chemistry 4**

**Code: ST30234**

**Class EP M6/1-2**

**Teacher's Name: Anumol Sunny**

	<b>Contents</b>	<b>Formative 2</b>	<b>Final Term Questions</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1	Basis of Life	√	√	Worksheets, PowerPoints, Related videos	The content might change because of time constraints.
2	Carbohydrates	√	√		
3	Amino Acids	√	√		
4	Lipids	√	√		
5	Nucleic Acids	√	√		
6	Metabolism	√	√		
7	Acid-Base Theories	√	√		
8	Hydrogen ion and Acidity	√	√		
9	Strength of Acids and Bases	√	√		
10	Salts	√	√		

Content	Formative 2	Final Exam Questions	Classroom Handouts	Remarks
<b>Unit 7: Proteins as Products</b> <ul style="list-style-type: none"> <li>• Protein structure</li> <li>• Medical applications of proteins</li> <li>• Protein engineering</li> <li>• Protein expression</li> <li>• Protein purification</li> <li>• Protein preservation</li> <li>• Proteomics</li> </ul>	√	<b>Multiple Choice, True/False, Label the Diagram Short Answer</b>	Power point presentations, Google Classroom Meetings, In-class discussions, lesson reviews, labs, videos, animations, and quizzes.	
<b>Unit 8: Bioterrorism</b> <ul style="list-style-type: none"> <li>• Bioterrorism history</li> <li>• Potential biological weapons</li> <li>• Using biotechnology against bioweapons</li> </ul>	√	<b>Multiple Choice, True/False, Label the Diagram Short Answer</b>		

Formative 2: Review Questions, Worksheets, Discussions, Lab, Scientific Investigations

### วิชาภาษาไทยพื้นฐาน 5 (ท30105)

- สามัคคีเภทคำฉันท์ - การอธิบาย บรรยาย พรรณนา
- ความสัมพันธ์ระหว่างภาษากับความคิด - การแสดงทรรศนะ ได้แย่ง และโน้มน้าวใจ
- เหตุผลกับภาษา

### วิชาสังคมศึกษา ศาสนาและวัฒนธรรมพื้นฐาน 5 (ส30105)

#### สาระที่ 4 ประวัติศาสตร์

- เวลา ยุคสมัย หลักฐาน และวิธีการทางประวัติศาสตร์ - ประวัติศาสตร์สากล
- ประวัติศาสตร์ไทย

#### สาระที่ 5 ภูมิศาสตร์

- เครื่องมือทางภูมิศาสตร์ - ทรัพยากรธรรมชาติ และสิ่งแวดล้อม
- หลักภูมิศาสตร์