

## Final Exam Contents Form: Semester 1 / 2024

**Subject: Foundation Mathematics 3    Code: MA30103    Class: EP M5/1-2    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. Experimental Probability	✓	✓	✓	Class notes and Worksheets	Content might change because of time constraints.
2. Sample space	✓	✓	✓		
3. Theoretical Probability	✓	✓	✓		
4. Compound events	✓	✓	✓		
5. Tree diagrams	✓	✓	✓		
6. Laws of Probability	✓				
7. Conditional Probability	✓				
8. Probability from Venn diagrams	✓				

Formative 2:    - Quizzes   - Worksheets   - Tests

**Subject: Universal Mathematics 3 Code: MA30215 Class EP M5/1-2 Teacher's Name: Shiv Kumar**

Contents	Formative 2	Final Exam	Written Answers	Classroom Handouts	Remark
1. Unit triangle and finding the value of sine, cosine and tangent using unit triangle	✓	✓	✓	<b>Text book</b> (Haese Mathematics 3 <sup>rd</sup> edition)  (Class Worksheets +Handouts)	Content might change because of time constraints.
2. Trigonometric identity proof	✓	✓	✓		
3. Values of sine and cosine functions	✓	✓	✓		
4. Sine and cosine functions	✓	✓	✓		
5. Graphs of trigonometric functions	✓	✓	✓		
6. Trigonometric functions of sums and differences	✓	✓	✓		
7. Sine and cosine rules	✓	✓	✓		
8. Vectors (2D and 3D)	✓	✓	✓		
9. Vector's arithmetic operations	✓	✓	✓		

**Subject: FINAL FOUNDATION EN30103 Class EP M5/1- 2 Teacher's Name: Steven Raine**

Content		Formative 2	Writing	Classroom Handouts	Remark
SECTION ONE: GRAMMAR,	Subject/verb agreement	✓		CLASSROOM PRACTICE QUIZZES,  AUTHENTIC EXAM QUESTIONS  ST, GABRIEL'S WORKBOOK (GRAMMAR).	
SECTION TWO: READING	<p>Reading</p> <ul style="list-style-type: none"> <li>• True, False, Not Given</li> <li>• In paragraph [C], the word 'prevalent' could easily be replaced by:</li> <li>• Find the information</li> <li>• Which animals were NOT mentioned in the passage?</li> <li>• Which items were not for the passengers use?</li> <li>• True False Not Given</li> <li>• Based on paragraph one, which ship was the closest to the Titanic when it sank?</li> <li>• According to the author, why did the Californian fail to come to the aid of the Titanic?</li> <li>• In paragraph [E] how many survivors were rescued by the Carpathia?</li> <li>• Why did the Birma not receive the Titanic's distress message?</li> </ul>	✓		IELTS WRITING BOOK & WORKSHEETS	

<p><b>SECTION THREE: WRITING</b></p>	<p>Section Two: Writing (Part One)  Read the passage “THE NIGHT THE TITANIC SANK” again, and then label the diagram with the name of the ship using information from the passage.</p> <p>Writing Section: IELTS Task Two essay  Living in large cities, today, causes many problems for people. What are these problems and offer some solutions?</p> <p>This is not a ‘FOR’ &amp; ‘AGAINST’ essay. This is ‘PROBLEM SOLUTION’ essay.</p>	<p>✓</p>	<p>✓</p>	<p><b>NOTEBOOK</b></p> <p><b>AUTHENTIC EXAM QUESTIONS</b></p> <p><b>CLASS WORK</b></p>	
--------------------------------------	---	----------	----------	--	--

Subject: **READING & WRITING EN30203** Class EP M5/1-2 Teacher's Name: Steven Raine

Content		Formative 2	Writing	Classroom Handouts	Remark
SECTION ONE: GRAMMAR	Some nouns seem plural but are singular, and some nouns are singular but look plural. Can you tell the difference?	✓		CLASSROOM PRACTICE QUIZZES, WORKSHEETS	
SECTION TWO READING	Reading Match this heading to one of the paragraphs. Find the information in a paragraph. Match the name to the statement In paragraph [A] why is the word “stupid” used by the author? What does the author claim is the direct result of a surge in testosterone? In paragraph [B] the author states that, “succeeding at something makes teenagers feel worthwhile. This explains teen sensitivity to losing or looking “like a loser” . In paragraph [B] the author advises us to talk to teenagers. Which talking topic was NOT mentioned? In paragraph [C] the author advises us not to: In paragraph [C] why does the author refer to “Lighthouses”?	✓			
SECTION THREE: WRITING	Writing Section <b>IELTS TASK 2 ESSAY.</b> <b>Write at least 200 words on the following question.</b>  <b>Question:</b> <b>Some argue that important traditions are being lost because of the influence of western culture and the internet. Do you agree or disagree?</b>	✓	✓	IELTS TEXTBOOK CLASS PRACTICE	

**Subject: Universal Physics 2 ST30212 Class EP: M5/1 Teacher's Name: Glenn Thomas**

<b>Contents</b>	<b>Formative 2</b>	<b>Final (Multiple choice)</b>	<b>Final (Written Section)</b>	<b>Classroom Handouts</b>	<b>Remark</b>
<b>1. Electric fields</b> - Uniform fields - Radial fields - Coulomb's law - Millikan's oil drop experiment - Charges in an electric field	√	√	√	Worksheets, Notebooks, workbook work.	Content might change because of time constraints.
<b>2. Basic circuits</b> - Ohm's law - Resistance, current and voltage - energy transferred	√	√	√		

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

**Subject: Universal Chemistry 2      Code: ST30232      Class EP M5/1&5/2H      Teacher's Name: Anumol Sunny**

	<b>Contents</b>	<b>Formative 2</b>	<b>Final Exam Questions</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1	Nuclear Radiation	√	√	Worksheets, PowerPoints, Related videos	The content might change because of time constraints.
2	Nuclear Transformations	√	√		
3	Nuclear Fission and Fusion	√	√		
4	Radiation in Your Daily Life	√	√		
5	Electrochemical Cells	√	√		
6	Electrolytic cells	√	√		
7	Electrochemical series	√	√		

Formative: - Class Tests, Assignments, Class Participation

**Subject: Universal Biology 2      Code: ST30257      Class: EP M5/1      Teacher's Name: Nicholas Crook**

	<b>Contents</b>	<b>Formative 2</b>	<b>Final</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1.	Reproduction. <ul style="list-style-type: none"> <li>• Asexual/sexual.</li> <li>• Gametogenesis.</li> <li>• Human reproduction.</li> <li>• Birth control.</li> </ul>	√	√	Schoology, zoom meeting room, discussions, movies, worksheets, poster presentations, power point presentations, labs, animations, and quizzes.	Content might change because of time constraints.
2.	Growth. <ul style="list-style-type: none"> <li>• Organisms (general).</li> <li>• Animals (general).</li> <li>• Humans.</li> <li>• Plants.</li> </ul>	√	√		

Formative: - Quizzes. - Worksheets. - Poster assignments. - Discussions. - Labs. - Scientific Investigations.

**Subject: ST30107 Data Analytics Technology**

**Class EP M5**

**Teacher's Name: Dave Thomas**

<b>Contents</b>	<b>Formative</b>	<b>Final</b>	<b>Writing Part</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Data analysis Trace Tables	✓	✓	✓	Worksheets, Power point presentations, Discussions, Participation exercises.	Content might change because of time constraints.
2. Variable tracking- Data analysis	✓	✓	✓		
3. Spreadsheet data analysis	✓	✓	✓		
4. Spreadsheet formulas	✓	✓	✓		

**Subject: ST30276 Integrated Computing**

**Class EP M5**

**Teacher's Name: Dave Thomas**

<b>Contents</b>	<b>Formative</b>	<b>Final</b>	<b>Writing Part</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Programming-Basics	✓		✓	Worksheets, Power point presentations, Discussions, Participation exercises.	Content might change because of time constraints.
2. Programming-Iteration	✓	✓	✓		
3. Programming-Conditional statements	✓	✓	✓		
4. Programming- Int formulas	✓	✓	✓		



Subject: Occupational Works 2

Code: OC30105

Class EP M 5/1 & 5/2

Teacher's Name: Dr. Hermann

Contents	Formative 2	Final Exam Project	Classroom Handouts	Remark
<b>1. Unit 2 Business Intro</b>	✓	✓	Google Classroom PPT	
Definition and importance	✓	✓		
Legal Forms	✓	✓		
Finance & Accounting	✓	✓		
Marketing	✓	✓		
Characteristics of Business People	✓	✓		
<b>Formative:</b> In class Assignments Homework		Create an project/essay in which you evaluate yourself as a businessman According to the characteristics of a successful business person which includes <ul style="list-style-type: none"> <li>• Human relationship</li> <li>• Communication skills</li> <li>• Creative thinking</li> <li>• Vision</li> <li>• Courage and leadership</li> <li>• Diligent and patience</li> <li>• Smart</li> <li>• Knowing oneself</li> <li>• Ability and knowledge</li> </ul> Minimum 5 pages Times Roman 12 point Graphics will be helpful		The final exam project is due prior to the start of the final exam week For details and deadline please see Google Classroom normal class period prior to the midterm week. The date announced on Schoology

### วิชา ภาษาไทยพื้นฐาน 3 (ท30103)

1. โคลนติดล้อ
2. การเขียนเชิงวิชาการ
3. การเขียนเชิงกิจธุระ
4. การเขียนประกาศ
5. การเขียนแบบฟอร์มประกาศ

### วิชา สังคมศึกษาศาสนาและวัฒนธรรมพื้นฐาน 3 (ส30103)

#### ภูมิศาสตร์มนุษย์

- การตั้งถิ่นฐาน
- ประชากร
- เศรษฐกิจ
- เมือง
- ผังเมือง
- การท่องเที่ยว

#### ภูมิศาสตร์เทคนิค

- แผนที่, เส้นชั้นความสูง (Contour Line), Slope
- GPS (Global Positioning System)
- GIS (Geographic Information System)
- RS (Remote Sensing)
- ภาพถ่ายทางอากาศ
- ภาพถ่ายดาวเทียม

### วิชา ประวัติศาสตร์ 3 (ส30109)

#### หน่วยการเรียนรู้ที่ 4 : พัฒนาการของยุโรปสมัยกลาง

- ศึกษาสภาพการเมือง เศรษฐกิจและสังคมของยุโรปสมัยกลาง
- วิเคราะห์เหตุการณ์สำคัญในยุโรปสมัยกลาง
- ศึกษาอารยธรรมสมัยกลาง

#### หน่วยการเรียนรู้ที่ 5 : พัฒนาการของยุโรปสมัยใหม่

- การขยายอิทธิพลของชาติตะวันตก
- การฟื้นฟูศิลปวิทยาการและการปฏิรูปศาสนา
- วิเคราะห์ปัจจัยที่ทำให้เกิดรัฐชาติ
- การปฏิวัติวิทยาศาสตร์ และการปฏิวัติอุตสาหกรรม
- ยุคภูมิธรรมและแนวคิดประชาธิปไตย
- พัฒนาการของศิลปวัฒนธรรมสมัยใหม่