

## Mid-term Exam Contents Form: Semester 1 / 2023

**Subject: Foundation Mathematics    Code: MA30103    Class: EP M5/1-2    Teacher's Name: Keerthi Prabhakar**

Contents	Formative 1	Mid-term Examination	Classroom Handouts	Remark
1. Arithmetic Sequences	✓	✓	Worksheets given in class	
2. Geometric Sequences	✓	✓		
3. Arithmetic Series		✓		
4. Geometric Series	✓	✓		
5. Depreciation	✓	✓		

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

Contents	Formative 1	Midterm	Classroom Handouts	Remark
1. Exponents, Law of exponents	✓	✓	Text book (Haese Mathematics 3 <sup>rd</sup> edition)  (Class Worksheets +Handouts)	Content might change because of time constraints.
2. SAT based exponent problems	✓	✓		
3. Algebraic expansion and factorization of exponents	✓	✓		
4. Interest and money	✓	✓		
5. Problems on simple interest	✓	✓		
6. Problems on compound interest	✓	✓		
7. logarithms, properties of log and log with base a	✓	✓		
8. Natural logarithms, properties natural log and natural log with base a	✓	✓		
9. Exponential functions	✓	✓		
10. Exponential growth and decay	✓	✓		

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

<b>Contents</b>		<b>Formative 1</b>	<b>Writing</b>	<b>Classroom Handouts</b>	<b>Remark</b>
<b>SECTION ONE: MIXED GRAMMAR</b>	Tenses verb (be) Sentence structure Word order Have/has/had	✓		CLASSROOM PRACTICE QUIZZES,  AUTHENTIC EXAM QUESTIONS  WORKSHEETS	
<b>SECTION TWO: READING</b>	Reading comprehension Skimming/scanning Quotes Context Author's intention	✓		The novel "Spoons"	
<b>SECTION THREE: WORD &amp; PHRASE WRITING</b>	Labeling a diagram with words or phrases from a listening transcript		✓	IELTS test materials	
<b>SECTION FOUR: SHORT WRITING: MORAL DILEMMAS</b>	7 critical thinking moral dilemmas.  Look at each scenario and in no more than 3 sentences explain what you would do and why you have decided on that action.			Class discussions and presentations	

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

Contents	Formative 1	Writing	Classroom Handouts	Remark
<b>SECTION ONE: READING</b> Various passages	Main idea Word choice Context Quotes True false not given Purpose Author's intention Fact Opinion scanning	✓	SAT IELTS  CLASSROOM PRACTICE QUIZZES,  AUTHENTIC EXAM QUESTIONS  ST, GABRIEL'S WORKBOOK (GRAMMAR).	
<b>SECTION TWO: PARAPHRASING</b>	Quotes from Rich Dad Poor Dad by Robert Kiyosaki. Read each carefully and demonstrate you understand what they mean by paraphrasing each quote in no more than sentences.	✓	Rich Dad Poor Dad by Robert Kiyosaki.	
<b>SECTION THREE: EXTENDED WRITING</b>	Writing an opinion and presenting both sides of an argument	✓	✓  NOTEBOOK	

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

Contents	Formative 1	Summative	Classroom Handouts	Remark
1. Circular motion --Radians and arc length -angular speed vs linear speed -centripetal forces and acceleration	√	√	Worksheets, Notebooks, workbook work.	Content might change because of time constraints.
2. Vertical and Horizontal Circular Motion -Vertical circular motion using both tension and reaction forces -Resolving centripetal forces, maximum kinetic/potential energy and linear velocity	√	√		
3. Simple Harmonic Motion -mass-spring systems - pendulums	√	√		
4. Waves -Types of waves -frequency, wavelength, amplitude and velocity -Phase and superposition -stationary waves	√	√		

Formative 1: - Projects    - Labs    - Class participation    -Online Quizzes    -Worksheets

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

Contents		Formative 1	Midterm	Classroom Handouts	Remark
1.	Oxidation and Reduction	✓	✓	<p style="text-align: center;"><b>Text book, Note Book, Schoology Notes, Power points Work Sheets Class Tests</b></p>	<p style="text-align: center;">Content might change because of time constraints.</p>
2.	Oxidation States	✓	✓		
3.	Redox Equations	✓	✓		
4.	Fundamental Particles	✓	✓		
5.	Mass number, Atomic Number and Isotopes	✓	✓		
6.	The Mass Spectrometer	✓	✓		
7.	Arrangement of electrons	✓	✓		
8.	More about arrangement of electrons	✓	✓		
9.	Ionization Energy	✓	✓		
10	The Nature of Ionic Bonding	✓	✓		
11	Covalent Bonding	✓	✓		
12	Metallic Bonding	✓	✓		
13	H-Bond and Vander wall's forces	✓	✓		
14	Bonding and Physical Properties	✓	✓		
15	The shapes of molecules and ions	✓	✓		
16	Electronegativity - Bond Polarity	✓	✓		
17	Forces acting between molecules	✓	✓		

**Subject: Universal Biology 2**

**Code: ST30257**

**Class: EP M5/1**

**Teacher's Name: Nicholas Crook**

<b>Contents</b>	<b>Formative</b>	<b>Mid-Term Exam</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Respiration structures for gas exchange in different animals.	√	√	Schoology, zoom meeting room, Discussions, movies, worksheets, poster presentations, power point presentations, labs, animations, and quizzes.	Content might change because of time constraints.
2. Lung structure in mammals.	√	√		
3. Cellular respiration.	√	√		
4. Open & closed circulatory systems.	√	√		
5. Blood flow and direction.	√	√		
6. The Heart.	√	√		
7. Components of blood.	√	√		
8. The Lymphatic system.	√	√		

Formative 1: - Quizzes. - Worksheets. - Poster assignments. - Discussions. - Labs. - Scientific Investigations.

**Subject: Data Analytics Technology: ST30106 Class EP M5 Teacher's Name: Dave Thomas**

<b>Contents</b>	<b>Formative 1</b>	<b>Midterm Project</b>	<b>Classroom Handouts</b>	<b>Remark</b>
1. Python- Basic Input/output	✓	✓	Worksheets, Online PDFs	Content might change because of time constraints.
2. Python- String manipulation	✓	✓		
3. Python- Basic calculations	✓	✓		

Formative 1 : - Worksheets - Class participation - Quiz

**Subject: Integrated Science (ST30276) Class EP M5 Teacher's Name: Dave Thomas**

Contents	Formative 1	Midterm Project	Classroom Handouts	Remark
1. Excel-Introduction	✓	✓	Worksheets, Online PDFs	Content might change because of time constraints.
2. Excel- Basic formulas	✓	✓		
3. Excel-Data types	✓	✓		

Formative 1 : - Worksheets - Class participation - Quiz

**Subject: Occupational Works 2 Code: OC30105 Class EP M 5/1 & 5/2 Teacher's Name: Dr. Hermann**

Contents	Formative 1	Midterm Exam	Classroom Handouts	Remark
<b>1. Unit1 Occupation</b>	✓	✓	Textbook Google Classroom PowerPoint Presentations Class Participation In-Class Assignments Homework	The content might change because of time constraints. A special
Employment	✓	✓		
Pre-Employment Test	✓	✓		
Personality Tests	✓	✓		
Personality Types	✓	✓		
Human Resources	✓	✓		
<b>2. Unit 2 Business Intro</b>	✓	✓		
Definition and importance	✓	✓		
Legal Forms	✓	✓		
Finance & Accounting	✓	✓		
Marketing	✓	✓		
Character & Ethics	✓	✓		
<b>Formative:</b> Inclass Assignments Homeworks		Essay/Sketch		The Summative Test will take place during our normal class period prior to the midterm week. The date announced on Schoology

### วิชา ภาษาไทยพื้นฐาน 3 (ท30103)

1. ลีลาตัวเลขพยางค์
2. ส่วนประกอบของประโยค
3. คำมูล
4. คำประสม

### วิชา สังคมศึกษาศาสนาและวัฒนธรรมพื้นฐาน 3 (ส30103)

ธรณีวิทยา

- การแปรสัณฐาน
- กระบวนการเปลี่ยนแปลงภายในเปลือกโลก, ภายนอกเปลือกโลก
- อุทกวิทยา
- บรรยากาศวิทยา
- ชีววิทยากับภูมิศาสตร์กายภาพ

### วิชา ประวัติศาสตร์ 3 (ส30109)

หน่วยการเรียนรู้ที่ 1

- การแบ่งยุคสมัยทางประวัติศาสตร์
- หลักฐานทางประวัติศาสตร์

หน่วยการเรียนรู้ที่ 3

อารยธรรมตะวันตกสมัยโบราณ

- อารยธรรมเมโสโปเตเมีย - อารยธรรมโรมัน
- อารยธรรมลุ่มแม่น้ำไนล์ - การติดต่อระหว่างโลกตะวันออกและโลกตะวันตก



- อารยธรรมกรีก

หน่วยการเรียนรู้ที่ 4

พัฒนาการของยุโรปสมัยกลาง

- อิทธิพลของคริสต์ศาสนาในยุโรปสมัยกลาง

- การเมือง เศรษฐกิจ และสังคมของยุโรปสมัยกลาง