

Final Exam and syllabi Contents Form: Semester 2 / 2023

Subject: Universal Mathematics 4 Code: MA30216 Class EP M5/1-2 Teacher's Name: Shiv Kumar

Contents	Formative 2	Multiple Choice	Written Answers	Classroom Handouts	Remark
1. Counting rules and factorial	✓	✓	✓	Text book (Haese Mathematics 3 rd edition) (Class Worksheets +Handouts)	Content might change because of time constraints.
2. Permutation formula and word problems on permutation	✓	✓			
3. Combination formula and word problems on combination	✓	✓	✓		
4. Binomial expansion theorem	✓	✓	✓		
5. Binomial experiment and its properties	✓	✓			
6. Word problems based on binomial experiments	✓	✓	✓		
7. Mean, variance and standard deviation formula of binomial.	✓	✓	✓		
8. Binomial distribution	✓	✓	✓		
9. Complex Number (SAT)	✓	✓			

Formative 2: - Quizzes - Worksheets - Tests

Subject: Foundation Mathematics Code: MA30104 Class: EP M5/1-2 Teacher's Name: Keerthi Prabhakar

Contents	Formative 2	Final Examination	Classroom Handouts	Remark
1. Cumulative Graph	✓	✓	Worksheets given in class	
2. Standard Deviation	✓	✓		
3. Normal Distribution	✓	✓		
4. Correlation	✓	✓		
5. Types of Correlation	✓	✓		
6. Pearson's Correlation Coefficient	✓	✓		

Subject: FOUNDATION EN30104 Class EP M5/1-2 Teacher's Name: Steven Raine

Content		Formative 2	Writing	Classroom Handouts	Remark
SECTION ONE: READING	<p>[1] In the context of the whole sentence, does this need punctuation: "...understand and respond to human language"?</p> <p>[2] The word <u>almost</u> modifies the word anything in the phrase 'almost anything' and could be</p> <p>[3] In context, what does 'Generative' most nearly mean?</p> <p>[4] In context, this informal phrase, "super fancy" can be made formal by using:</p> <p>[5] Which of the following is correct for "its been trained"?</p> <p>[6] In the full sentence, which of the following is correct for "It learns "?</p> <p>[7] Is the beginning of this sentence correct, "So, when you...?"</p> <p>[8] the word, "insightful "means:</p> <p>[9] Which part of speech is, "Wow!"?</p> <p>[10] The word "might " is an example of a:</p> <p>[11] Which paraphrase is the best at summarizing, 'not understand exactly what you're asking or give an inaccurate response'</p> <p>[12] Is "Importantly," the most relevant transition word to use:</p> <p>[13] In context, what would could easily replace "generated "?</p> <p>[14] In the context of what we know about how ChatGPT operates, "patterns and probabilities" probably means:</p> <p>[15] In context, 'concepts' probably means:</p> <p>[16] Why has the transition, "Essentially," been used here?</p> <p>[17] What does the author mean by "the structure of language"?</p> <p>[18] What does the author mean by "lacks true understanding"</p>	✓		<p>CLASSROOM PRACTICE QUIZZES,</p> <p>AUTHENTIC EXAM QUESTIONS</p> <p>IELTS READING BOOK</p> <p>IELTS WRITING BOOK & WORKSHEETS</p>	
SECTION THREE: WRITING PART ONE - PART TWO	WRITE AT LEAST THREE SENTENCES AS A RESPONSE TO EACH QUESTION.	✓	✓	ST, GABRIEL'S WORKBOOK (GRAMMAR).	

Subject: READING & WRITING EN30204 Class EP M5/1 Teacher's Name: Steven Raine

	Content	Formative 2	Writing	Classroom Handouts	Remark
SECTION ONE: GRAMMAR, PUNCTUATION AND VOCABULARY	[1] Which is the dependent clause in this sentence? [2] What is the underlined part of the sentence called? [3] Does this sentence need a comma? [4] How is the word “unusual” being used in this sentence? [5] Poohri is unequivocal in his dislike of music. The word ‘unequivocal’ is being used in what way? [5] Julius likes cars like the Porsche which he likens to a high-status vehicle; he believes that his future job will have something to do with the motor trade	✓		CLASSROOM PRACTICE QUIZZES, AUTHENTIC EXAM QUESTIONS ST, GABRIEL’S WORKBOOK (GRAMMAR).	
SECTION TWO: READING	[6] In lines 1 to 5, Sergeant Phufa looks at a photograph of himself: “...a past self in a shiny new police uniform, grinning proudly and holding a certificate, 'Sergeant Phufa- [5] Officer of the Year'”. Why is Sergeant Phufa sad when he looks at the picture? [7] In lines 5 to 9, what evidence is there that Titan did not stop playing on his phone? [8] In lines 7 to 11, who created the game that Titan thought was, “As pointless as my life in this dump of a town,”? [9] In lines 17 to 19, who created especially annoying applications? [10] In lines 17 to 21, which games were especially dumb? [11] In lines 20 to 23, ‘The Pimple Popper’ and ‘Jurassic Fart’ apps were created by whom? [12] In line 24, “enough said” probably means: [13] In lines 25 to 27, which two apps were described as masterpieces? [14] In lines 27 to 31, how did Julius fool his boss? [15] In lines 32 to 37, what is the name of the villain in Titan’s detective game?	✓		IELTS WRITING BOOK & WORKSHEETS	

	[16] In lines 38 to 40, who said, “Please call me an ambulance, I’m dying”? [17] In lines 50 to 54, who is Miss Pepper? [18] In lines 55 to 58, where does Doctor “O” come from?				
SECTION THREE: WRITING	In no less than 200 words, discuss your own opinion on teenage gambling. If you do or don’t agree with some of the views highlighted above, explain why you agree or don’t agree.	✓	✓	NOTEBOOK	

Subject: ST30107 Technology of Data Presentation

Class EP M5

Teacher’s Name: Dave Thomas

Contents	Formative	Final	Writing Part	Classroom Handouts	Remark
1. Programming-Lists	✓		✓	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: ST30276 Integrated Computing Class EP M5 Teacher's Name: Dave Thomas

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

Subject: Electricity and Magnets Code: ST30203 Class: EP M5/1H Teacher's Name: Glenn Thomas

Contents	Formative 2	Final	Classroom Handouts	Remark
Unit 1: Magnetism <ul style="list-style-type: none"> • Magnetic fields • Solenoids and magnetic materials • Permanent magnets • Magnetic forces • Magnetic fields of a current carrying wire • Plotting magnetic fields with a compass 	/	/	Schoology, teams meeting room, Discussions, movies, worksheets, poster presentations, power point presentations, labs, animations, and quizzes.	Content might change because of time constraints.
Unit 2: Motors <ul style="list-style-type: none"> • Motor effect – left hand rule • Calculation of magnetic flux, magnetic flux linkage • Increasing forces on a coil of wire ($F=BIL$) • Predicting directions of forces using left hand rule 	/	/		
Unit 3: Magnetic Forces <ul style="list-style-type: none"> • Charges moving in a magnetic field, $F=BQv$ • Cyclotron and mass spectrometer 	/	/		
Unit 4: Electromagnetic Induction	/	/		

-Generating electricity -Calculating induced E.M.F.s -Faradays and Lenz's laws -Transformers and Power loss				
Unit 5 Electrical circuits -Series vs Parallel -Resistance and resistivity -Conduction and the transport equation -Current and Voltage -Ohmic and non-Ohmic resistors	/	/		

Subject: Plant Physiology Code: ST30248 Class EP M5/1H Teacher's Name: Nicholas Crook

Contents	Formative 2	End-term	Writing Part	Classroom Handouts	Remark
1. Plant Photosynthesis	✓	✓	✓	Worksheets, Notebook work, Power point presentations, Discussions, Labs, Participation exercises.	Content might change because of time constraints.
2. Reproduction in Flowering Plants	✓	✓	✓		
3. Fruits & Seeds of Flowering Plants	✓	✓	✓		
4. Control of Plant Growth	✓	✓	✓		
5. Plant Responses	✓	✓	✓		

Subject: Foundation Occupational Works 3 Code: OC30106 Class EP M 5/1 and 5/2 Teacher's Name: Dr. Hermann

Contents	Formative 2	Final Exam	Classroom Handouts	Remark
1. Apply concepts and principles to effectively manage an organization of the information services organization age	✓	✓	Google Classroom PowerPoint Presentations Class Participation In-Class Assignments Homework Material on Google Classroom	The content might change because of time constraints.
2. Explain the principles of operations, policymaking, and planning for running organizations of the information services organizations age	✓	✓		
3. Present how to work and put them into practice in the areas of document management, finance, office supplies, building, and maintenance.	✓	✓		
4. Know the principles of quality assurance and evaluate the organizations of information services organizations with morality and ethics.	✓	✓		

Subject: M5 Foundation Health Studies and Physical Education Code: HP30104 Class EP M5/1-2 Teacher's Name: Brian Mallon

Contents	Formative	Midterm	Classroom Handouts	Remark
1. Physical Fitness Tests	✓	✓	Notes from exam review lesson.	Content might change because of time constraints.
2. Basketball	✓	✓		
3. Futsal	✓	✓		
4. Badminton	✓	✓		
5. Family Conflicts		✓		

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

Subject: Universal Chemistry 3 Code: ST30233 Class EP M5/1E & M5/1H Teacher's Name: Anu Sunny

Contents	Formative Assessments	Questions (Multiple choice and Writing part)	Handouts	Remark
1. Endothermic and exothermic reactions	✓	✓	Flash Cards, Power Points, Quizzes, Schoology activities,	Content might change because of time constraints.
2. Enthalpy	✓	✓		
3. Calorimetry	✓	✓		
4. Hess's Law	✓	✓		
5. Enthalpy change of combustion	✓	✓		
6. Chemical Calculations	✓	✓		
7. The Arithmetic of Equation	✓	✓		

Formative Assessments:

- Home Work Assignments
- Quiz score
- Class Tests

วิชา ภาษาไทยพื้นฐาน 4 (ท30104)

1. คัมภีร์ฉันทศาสตร์ แพทยศาสตร์สงเคราะห์
2. การพูดต่อประชุมชน
3. มีทนะพาธา

วิชา สังคมศึกษา ศาสนา และวัฒนธรรมพื้นฐาน 4 (ส30104)

1. เศรษฐกิจกับมือที่มองไม่เห็น (เศรษฐศาสตร์มหภาค)
2. เศรษฐศาสตร์กับโลกาภิวัตน์
3. ปัญหาทางเศรษฐกิจของโลกและของประเทศไทย
4. กระแสเศรษฐศาสตร์ในโลกปัจจุบัน

วิชา ประวัติศาสตร์ 4 (ส30110)

หน่วยการเรียนรู้ที่ 7 ความขัดแย้งและการประสานผลประโยชน์ระหว่างประเทศ

- ความขัดแย้ง

1. สงครามโลกครั้งที่ 1 3. สงครามเย็น
2. สงครามโลกครั้งที่ 2

- การประสานประโยชน์ เช่น สหประชาชาติ, NATO, WTO, Warsaw Pact, EU, OPEC, EFTAฯ

หน่วยการเรียนรู้ที่ 8 สถานการณ์สำคัญของโลกในคริสต์ศตวรรษที่ 21

1. เหตุการณ์ 11 กันยายน ค.ศ. 2001
2. การก่อการร้าย
3. ความขัดแย้งทางศาสนา
4. เศรษฐกิจและสังคมในคริสต์ศตวรรษที่ 21