

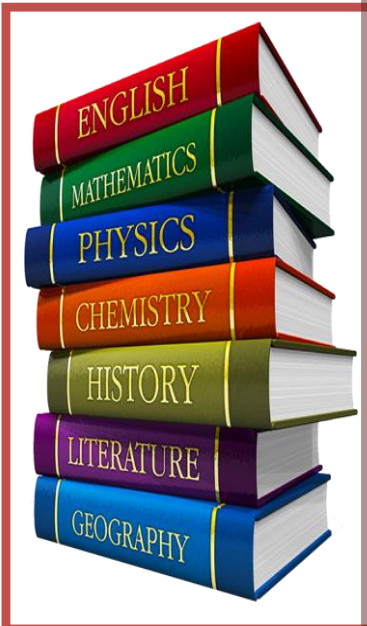
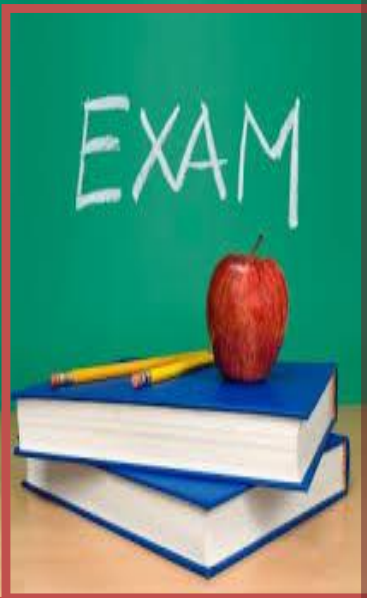
# YEAR 12



## Term 1 Exam

## 2017-2018

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# O B J E C T I V E S

## CONTENTS

**1. Arabic**

**2. Sharia**

**3. Hum Arabic**

**4. English**

**5. Physics**

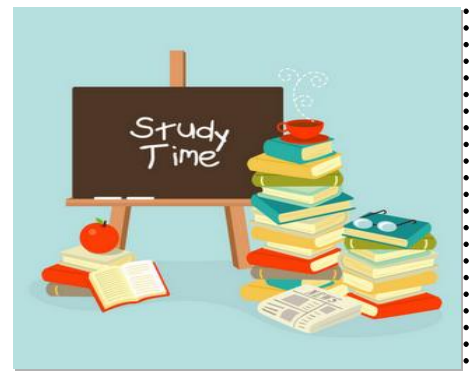
**6. Chemistry**

**7. Biology**

**8. Mathematics**

**9. ICT**

**10. Business**



Teacher's name : JIHAN MOUSA  
group:12

Subject: Arabic

Year

| No. | Term 1objectives:  |
|-----|--|
| 1   | كتابة المقال السياسي والاجتماعي وفق شروطه وعدد كلماته المطلوب                        |
| 2   | طرح قضية ما للنقاش ومناقشة أسبابها وأثارها السلبية والإيجابية واقتراح حلول بناءة لها |
| 3   | ضبط الكلمة ضبطا سليما وفق موقعها الإعرابي من الجملة                                  |
| 4   | ترجمة النص من العربية إلى الانجليزية ترجمة سليمة                                     |

Max. number of objectives is 5 objectives.

|   |                                    |
|---|------------------------------------|
| No of assessments during the term(without including the end of term exam)<br>عدد الاختبارات خلال الفصل ما عدا نهاية الفصل | 2                                  |
| Total mark for each assessment (every assessment is out of what)<br>درجات الاختبارات                                      | 15- 50                             |
| Duration of end of term exam/exams<br>مدة امتحان نهاية الفصل  | 2h r<br>الدرجة النهائية من 90 درجة |

#### Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

كتابة المقال الاجتماعي والسياسي كتابة سليمة وفق شروطه وعدد كلماته المطلوب

كتابة النص النقاشي ( وعرض أسباب المشكلة – أثارها السلبية – اقتراح حلول لها)

ضبط الكلمة ضبطا سليما وفق موقعها من الإعراب

ترجمة النص من العربية إلى الانجليزية

Please use your class practical experience and knowledge for the topics covered.

Teacher's name : hanadi adel  
group: 12

Subject: sharia

Year

| No. | Term 1objectives:  |
|-----|--|
| 1   | أن تسمع الطالبة سورة الذاريات تسميهاً صحيحاً   |
| 2   | أن تبين الطالبة حقيقة الوازن والموزون يوم القيامة وأحوال الناس عنده .                |
| 3   | أن توضح الطالبة اتقاء الشبهات من خلال حديث النعمان بن بشير (( إن الحلال بين (...)) . |
| 4   | أن تستعرض الطالبة مواقف من حياة أم المؤمنين عائشة رضي الله عنها .                    |

|   |    |
|---|----|
| No of assessments during the term(without including the end of term exam)<br>عدد الاختبارات خلال الفصل ما عدا نهاية الفصل | 2  |
| Total mark for each assessment<br>(every assessment is out of what)<br>درجات الاختبارات                                   | 20 |
| Duration of end of term exam/exams<br>الدرجة الخاصة باختبار نهاية الفصل   | 50 |

**Topics and units covered/ Studying material/Any other information**  
المواضيع الداخلة باختبار نهاية الفصل

الاختبار الشفهي : تسميع سورة الذاريات مع المعاني .

الاختبار التحريري :

- 1- رد شبهات اليهود ( تفسير )
- 2- اتقاء الشبهات .
- 3- الميزان .
- 4- الحوض والصراط .
- 5- أحكام النسب والرضاع .
- 6- أم المؤمنين عائشة رضي الله عنها .
- 7- علوم القرآن ( 1 ) .
- 8- الجنة والنار .

Teacher's name: ميمونة محمد Subject: العلوم الاجتماعية Year group: الثاني عشر

| No. | Term 1 objectives:  |
|-----|---|
| 1   | أن توضح الأوضاع السياسية في أوروبا قبل قيام الحرب العالمية الأولى.  |
| 2   | أن تبيين أسباب الحرب العالمية الأولى وسبب انضمام الدولة العثمانية والولايات المتحدة للحرب.                                      |
| 3   | أن توضح مفهوم الغلاف الجوي وطبقاته وأهم مشكلاته.  |
| 4   | أن تفرق بين الطقس والمناخ وأهمية دراسة كل منهما.  |
| 5   | أن تتعرف على عناصر الطقس والمناخ وتميز كل عنصر من هذه العناصر (الحرارة، الضغط الجوي، الرياح، الرطوبة، التبخر، التكاثف، التساقط) |

Max. Number of objectives : .....

|  |  |
|--|--|
| No of assessments during the term (excluding the end of term exam)     | Assessment 1<br>Assessment 2                             |
| Total mark for each assessment (every assessment is out of what)       | Total (30)<br>Assessment 1 ( 15 )<br>Assessment 2 ( 15 ) |
| No of assessments needs to be included in end of term 1 exam timetable | 50   |
| Duration of end of term exam/exams                                     | 45 minutes   |

#### Topics and units covered/ Studying material/Any other information

|   |
|---|
| <p>1-الحرب العالمية الأولى(الأوضاع السياسية في أوروبا قبل الحرب العالمية الأولى، أسباب الحرب العالمية الأولى، القوى المتحاربة، مواقف الدول من الحرب، مراحل الحرب العالمية الأولى، نتائج الحرب العالمية الأولى)</p> <p>2-الغلاف الجوي ( مفهومه ،مكوناته، طبقاته، أهميته، مشكلاته)</p> <p>3-المناخ والطقس ( عناصر المناخ، أجهزة رصد المناخ ، العوامل المؤثرة في المناخ، الأقاليم المناخية).</p> |
|---|

Teacher's name: ANA

Subject: ENGLISH

Year group: 12

| No. | Term 1 exam objectives:   |
|-----|---|
| 1   | <b>READING</b><br>Demonstrate understanding of explicit meanings<br>Demonstrate understanding of implicit meanings and attitudes<br>Select information for specific purposes.   |
| 2   | <b>WRITING</b><br>Articulate experience and express what is thought, felt and imagined<br>Sequence facts, ideas and opinions<br>Use a range of appropriate vocabulary<br>Use register appropriate to audience and context<br>Make accurate use of spelling, punctuation and grammar |

|   |   |
|---|---|
| No of assessments during the term<br>(excluding the end of term exam)     | <b>Assessment 1: Speaking</b><br><b>Assessment 2: Writing</b>             |
| Total mark for each assessment<br>(every assessment is out of what)       | <b>Total (40)</b><br><b>Assessment 1 (20)</b><br><b>Assessment 2 (20)</b> |
| No of assessments needs to be included<br>in end of term 1 exam timetable | <b>1</b>  |
| Duration of end of term exam/exams  | <b>90 minutes</b>   |

### Topics and units covered/ Studying material/Any other information

#### Topics covered:

- A number of vocabulary exercises to enhance vocabulary level
- Reading comprehensions from TOEFL.
- Punctuation and grammar worksheets.
- Writing to inform and persuade
- Oral presentations about a topic of interest.

#### Exam Preparation:

- Practise readings from IELTS or TOEL.
- Read through vocabulary lists and familiarize yourself with as many words as possible.
- Be aware of basic punctuation rules and concentrate while writing.

Teacher's name: **Gaye Gungor**      Subject: **Physics**      Year group: **12 A/B**

| No. | Term 1 objectives:       |
|-----|--------------------------|
| 1   | Unit 1 Topic 1 Mechanics |
| 2   | Unit 1 Topic 2 Materials |
| 3   |                          |

**Max. Number of objectives is 3 objectives.**

|   |  |
|---|--|
| No of assessments during the term(without including the end of term exam) | 2  |
| Total mark for each assessment (every assessment is out of what)          | 42, 42   |
| No of exam papers to be included in end of term 1 exam timetable          | 1  |
| Duration of end of term exam/exams  | <b>Unit 1 + Unit 3    Total 2 hours</b><br><b>(80+20)            Total 100 marks</b> |

#### Topics and units covered/ Studying material/Practical skills & any other information

##### Unit 1 Topic 1 Mechanics

- Describing motion
- Equations of motion
- Vectors / scalars
- Moving in more than one directions
- Causes of motion
- Newton's laws
- Measuring g
- Projectiles
- Work / Energy / Power / Efficiency

##### Unit 1 Topic 2 Materials

- Fluid flows & Stokes' Law
- Stress / strain / young modulus
- Materials in the real world

##### Materials

- Course book / Course Revision book
- Class notes
- Past paper questions

##### Study tips



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- **Read and revise the topics**
- **Make summaries of the key points**
- **Memorize the equations (Although equations will be given in the exam)**
- **Practice past paper questions**



Teacher's name : Uzma Jalil

Subject: Chemistry

Year group: 12A/B

| No. | Term 1 objectives: |
|-----|--------------------|
| 1   | Calculations       |
| 2   | Atomic structure   |
| 3   | Energetics         |
| 4   | Bonding            |
| 5   | Organic Chemistry  |

|   |                             |
|---|-----------------------------|
| No of assessments during the term(without including the end of term exam) | 2                           |
| Total mark for each assessment (every assessment is out of what)          | 40; 50                      |
| No of assessments needs to be included in end of term 1 exam timetable    | 1                           |
| Duration of end of term exam/exams  | 2 hrs; 100 MARKS(UNIT 1 +3) |

#### Topics and units covered/ Studying material/Any other information

##### Topic 1: Calculations

- Formula , equations & amount of substances
- stoichiometry

##### Topic 2: Atomic structure

- Mass spectrometry
- S,p,d,f orbitals
- Ionization energy

##### Topic 3: Energetics

- Standard enthalpy change
- Hess's Law

##### Topic 4: Bonding

- Ionic bonding, lattice energy using Born-Haber cycle
- Covalent bonding
- Metallic bonding

##### Topic 5: Organic Chemistry

- IUPAC nomenclature: structural, displayed & skeletal formula
- Alkanes: isomers, reactions of alkanes
- Alkenes: isomerism, reactions of alkenes

Please use your class practical experience and knowledge for the topics covered.

**For thorough preparation of the course material please read & understand each lesson from your text book, solve end of chapter exercises, solve past papers and use lab activities, work sheets & class notes as extra resources**

Teacher's name: Fauzia Usman

Subject: Biology Year group: 12

| No. | Term 1 objectives:  |
|-----|---|
| 1   | Transport around the body, water, blood; circulatory system; blood clotting           |
| 2   | Cardiovascular diseases, risks and control. Evaluating studies and interpreting data. |
| 2   | Biological molecules –carbohydrates, lipids and proteins                              |
| 3   | Cell membranes, and transport across membranes  |
| 4   | Gas exchange surfaces and adaptations of mammalian lungs                              |
| 5   | Enzymes and their mode of action  |

Max. number of objectives is 5 objectives.

|  |   |
|--|---|
| No of assessments during the term (without including the end of term exam) | 2   |
| Total mark for each assessment (every assessment is out of what)           | 42; 45  |
| No of assessments needs to be included in end of term 1 exam timetable     | 1   |
| Duration of end of term exam/exams   | Unit 1 + Unit 3 Total 2 hours<br>Total 100 marks(80+20) |

#### Topics and units covered/ Studying material/Any other information

**Topic 1:** structure of water, relationship of its structure to the function of water; blood and tissue fluid, circulatory system; blood cells; blood vessels; heart and double circulation; cardiac cycle; mechanism of blood clotting.

Cardiovascular diseases; atheroma and atherosclerosis; risk factors, reducing risk factors, perceived and actual risk, treatments and their benefits and risks, correlation between CVD and risk factors, evidence of causation, conflicting evidence and evaluating studies on disease;

Structure and function of carbohydrates; lipids and proteins; condensation and hydrolysis reactions. Fibrous, conjugated and globular proteins.

**Topic 2:** structure of the cell membrane and effect of temperature on permeability; Transport across membranes, diffusion, facilitated diffusion, osmosis, active transport, endocytosis and exocytosis; properties of gas exchange surfaces, structure of mammalian lungs.

Structure of cell membranes; movement of molecules across the membranes; function of membranes in respiratory system and Fick's law

Enzymes and their mode of action, specificity of enzymes in terms of their three-dimensional structure, activation energy, intracellular and extracellular enzymes.



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**Core practical;**

- 1. Effect of caffeine on heart rate in Daphnia**
- 2. The vitamin C content of food and drink**
- 3. Effect of alcohol concentration or temperature on membrane permeability**
- 4. Effect of enzyme and substrate concentrations on initial rates of reactions.**

Teacher's name: Laila Saad

Subject: Maths

Year group: 12

| No. | Term 1 objectives:   |
|-----|--|
| 1   | <b>1. Algebra &amp; functions -C1</b><br>Multiply out brackets, Factorize expressions including quadratics, Manipulate surds, Apply the rules of indices.  |
| 2   | <b>2. Quadratic Functions</b><br>Sketching graphs of quadratic equations<br>Solving quadratic equation by completing the square, factorizing and formula   |
| 3   | <b>3. Equations and Inequalities</b><br>Solve linear and quadratic inequalities  |
| 4   | <b>4. Sketching curves</b><br>Sketch cubic graphs<br><b>2. Sketch the graph of the reciprocal function.</b><br>Understand how transformations $f(x+a)$ , $f(x) + a$ and $af(x)$ affect the graph of the curve $y = f(x)$ |
| 5   | <b>Algebra and Functions c2</b><br>Divide a polynomial $f(x)$ by $(x+p)$<br><br><b>3. Factorize a polynomial by using the factor theorem</b>   |

**Max. Number of objectives: 5**

|   |  |
|---|--|
| No of assessments during the term<br>(excluding the end of term exam)     | <b>Assessment 1</b><br><b>Assessment 2</b>                                   |
| Total mark for each assessment<br>(every assessment is out of what)       | <b>Total ( )</b><br><b>Assessment 1 ( 35 )</b><br><b>Assessment 2 ( 45 )</b> |
| No of assessments needs to be included<br>in end of term 1 exam timetable | <b>1</b>   |
| Duration of end of term exam/exams  | <b>2 hours .30 min</b>   |

**Topics and units covered/ Studying material/Any other information**



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## **1. Algebra & functions -C1**

**Multiply out brackets, Factorize expressions including quadratics, Manipulate surds**

## **2. Quadratic Functions**

**Sketching graphs of quadratic equations**

**Solving quadratic equation by completing the square, factorizing and formula**

## **3. Equations and Inequalities**

**Solve linear and quadratic inequalities**

## **4. Sketching curves**

**Sketch cubic graphs**

**2. Sketch the graph of the reciprocal function.**

**Understand how transformations  $f(x+a)$ ,  $f(x) +a$  and  $af(x)$  affect the graph of the curve  $y = f(x)$**

## **5. Algebra and Functions c2**

**1. Divide a polynomial  $f(x)$  by  $(x+p)$**

**2. Factorize a polynomial by using the factor theorem**

## **6. Exponential and logarithms**

**1. Know the shape of the graph of  $y = ax$**

**2. Write an expression in logarithmic form**

**3. Use the laws of logarithms**

## **7. Coordinate geometry in the $(x,y)$ plane**

**Determine the point where a pair of straight lines intersect**

**5. Know and use the rule concerning perpendicular gradients**

## **8. Coordinate geometry in the $(x,y)$ plane**

**Determine the point where a pair of straight lines intersect**

**Know and use the rule concerning perpendicular gradients**

## **9. Coordinate geometry of the circle using the equation of a circle in the form**

**$(x-a)^2 + (y-b)^2 = r^2$  and including the use of the following circle properties:**

- i) the angle in a semicircle is a right angle;**
- ii) the perpendicular from the center to a chord bisects the chord;**
- iii) The perpendicularity of the radius and tangent.**

**Studying material: text book, exam past papers, C12 past papers**

Teacher's name: Ameera

Subject: ICT

Year group: 12

| No. | Term 1 Topics   |
|-----|---|
| 1   | <b>8. Spreadsheets</b><br>8.1 Create a spreadsheet<br>8.2 Graphs and charts<br>8.3 Modelling<br>8.4 Simulations   |
| 2   | <b>9. Database and file concepts</b><br>9.1 Create a database<br>9.2 Normalisation to third normal form (3NF)<br>9.3 Data dictionary<br>9.4 Query selection<br>9.5 File and data management |

|   |  |
|---|--|
| No of assessments during the term<br>(excluding the end of term exam)     | <b>Assessment 1</b><br><b>Assessment 2</b>                                   |
| Total mark for each assessment<br>(every assessment is out of what)       | <b>Total ( )</b><br><b>Assessment 1 ( 99 )</b><br><b>Assessment 2 ( 50 )</b> |
| No of assessments needs to be included<br>in end of term 1 exam timetable | <b>1</b>   |
| Duration of end of term exam/exams  | <b>90 minutes</b>  |

**Topics and units covered/ Studying material/Any other note the teacher would like to remind students of(eg. Needed tools on the test...etc)**

Students need to revise above mentioned topics from given notes, books and As past papers. Students can also take help from all the resources uploaded at [www.edmodo.com](http://www.edmodo.com).

**Teacher's name: Miss Anisah Subject: AS Business Year group: 12**

| No. | Term 2 objectives:  |
|-----|---|
| 1   | Students will be able to define key terms and explain them in the context of the relevant business topic.   |
| 2   | Students will be able to identify and analyse the marketing and people functions, including entrepreneurs and business start up.  |
| 3   | Students will be able to discuss the strategies businesses use to develop a competitive advantage through interacting with customers and explain how businesses need to adapt their marketing to operate in a dynamic business environment. |

**Max. Number of objectives is .... objectives.**

|   |                  |
|---|------------------|
| No of assessments during the term<br>(without including the end of term exam) | 2                |
| Total mark for each assessment<br>(every assessment is out of what?)          | A1: 20<br>A2: 26 |
| No of assessments needs to be included<br>in end of term 1 exam timetable     | 1                |
| Duration of end of term exam/exams  | 1hr 30           |

### Topics and units covered/ Studying material/Any other information

#### All of unit 1: Meeting customer needs

##### Meeting customer needs:

- The Market
- Market Research
- Market Positioning

##### The Market

- Demand
- Supply
- Markets and equilibrium
- Price elasticity of demand
- Income elasticity of demand

##### Marketing mix and strategy

- Product/service design
- Branding and promotion
- Pricing strategies
- Distribution
- Product life cycle and portfolio
- Marketing strategy

##### Managing people

- Approaches to staffing
- Recruitment, selection and training



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- Organisational design
- Motivation in theory and practice
- Leadership

#### **Entrepreneurs and leaders**

- Role of an entrepreneur
- Entrepreneurial motives and characteristics
- Business objectives
- Forms of business
- Business choices
- Moving from entrepreneur to leader

**PLEASE USE OWN NOTES, RESOURCES ON EDMODO AND TEXTBOOK!**