



GRADE Twelve
Module Three
Unit Seven : Long Lives

LESSON 1 , 2



Word	P .o. S	Definition	Arabic Meaning
cardiovascular	adj	Of or relating to the heart and blood vessels	مرتبط بالقلب والأوعية الدموية / قلبي
centenarian	adj	A person who is one hundred or more years old	معمّر / المئوي البالغ من العمر مائه عام
commentary	N	The expression of opinions or explanations about an event or situation	تعليق / وصف أحداث
Cycle	V	To ride a bicycle	يقود دراجة
elderly	adj	Of a person , old or aging	كبار السن
Expectation	N	A strong belief that something will happen or be the case in the future	توقع
geriatric	adj	Of or relating to old people, esp. with regard to their health care	شيخوخة / كبر السن
honour	V	To treat someone with special respect	يُجلّ / يوقّر
Integral	adj	Essential or fundamental	أساسي / جزء لا يتجزأ
onerous	adj	Of a task, duty or responsibility , involving an amount of effort and difficulty that is oppressively burdensome	شاق / مُرهق
Supple	adj	Bending and moving easily and gracefully, flexible	لين / مرّن / رشيق
Vigorous	adj	Of a person, strong, healthy and full of energy	نشط / قوي

SET-BOOK QUESTIONS

1- How can we ensure a long life?

* We can ensure long life by vigorous stretching, practising sport, exercising. We can also eat healthy food and avoid bad habits.

2- What should you do to keep your brain fit?

* We can keep our brain fit by reading books, solving crosswords, puzzles and playing chess.

3- Old people's homes are often known as geriatric homes. Are there any of these in Kuwait ? Why?

* No, there aren't , because Islam teaches children to honor their parents and care for them.

4- Keeping active for along time has some benefits . Give examples .

- By keeping active we enjoy good health .We Sleep well. We also reduce the risk of dying early. We ensure long life.

5- Why is keeping active important for a long life ?

- Because it helps you to be healthy, it helps you to be mentally fit. It helps you to be physically fit.

6- Why is work important for the elderly ?

- Because it keeps them busy. It gives them chances to talk to other people.

7- How can we show respect to old people ?

- We can show respect to old people by following to their advice, Open the door for them. We listen to them when they speak.

8- There are many ways to keep your mind active and healthy . Give examples!

* Some ways like reading books. Solving puzzles.

9- How can we keep our mental and physical health ?

Mental	physical
* Reading books. * Solving puzzles	c- Exercising. d- Eating healthy food.

Unit Seven : Long Lives

LESSON 3

Word	P .o. S	Definition	Arabic Meaning
chronic	adj	Something that continues for a long time and cannot easily be solved	مزمن / يستمر لفترة طويلة
deprived of	Ph.v.	Dispossess of , rob of	محروم من
drowsy	adj	Tired and almost asleep	نعسان / شاعر برغبة في النوم
genetic make up	n	Chemical structure that defines individuality	التكوين الجيني / الوراثة
Restful	adj	Peaceful and quiet , making you feel relaxed	مريح
shallow	adj	Not deep	غير عميق / سطحي

SET-BOOK QUESTIONS

1- What is the importance of sleep? Why is it important to get enough sleep?

* It helps to keep our health. It helps the brain retain new information. It helps to focus at school or work.

2- What are the factors which affect our sleep ?

- The main factors which affect sleep are ; age , Daily routine, The quality of sleep and the genetic makeup.

4- How do we know that a person doesn't have enough sleep?

4 - There are some signs indicate that someone doesn't get enough sleep and needs more. What are these signs?

- No concentration at school or work. Difficulty to get up in the morning. Being moody or irritable. Having bad memory. Being drowsy.

5- " How we sleep affects us." Explain.

- Deep and restful sleep makes us feel refreshed after waking up. Light and shallow sleep makes us feel tired.

6- How does lack of sleep affect your life style ?

- It might cause serious mistakes at work. It might cause failure at schools or in exams. It negatively affect our immune system

7- Some people having difficulty sleeping . Suggest ways to help them with the problem .

- They should listen to the Holy Quran. Read a book or a story. Have a hot shower

LESSON 4 , 5 **UNIT SEVEN / LONG LIVES**

Word	P .o. S	Definition	Arabic Meaning
blizzard	n	A severe snowstorm with high winds and low visibility	عاصفة ثلجية
conceal	v	To keep from sight , to hide	يخفي
Dispute	n	A disagreement, argument or a depate	نزاع / خلاف
Do away with	phv	To get rid of	يتخلص من
Do up	phv	To fasten , to tie	يثبت / يربط
Do without	phv	To not have something and manage in spite	يستغني عن
excuse	n	A reason or explanation put forward to defend or justify a fault or offence	عذر / مبرر
Frequently	adv	On many occasions with little time between them	كثيرا / في أحيان كثيرة
In spite of	Pre.	Regardless of	علي الرغم من
Make up	phv	To invent (a story)	يلفق / يفبرك (قصه)
Make up for	phv	To take the place of something lost or missing	يعوض
vicinity	n	The area near or surrounding a particular place	الجوار / منطقة مجاوره

NO SET-BOOK QUESTIONS

UNIT SEVEN / LONG LIVES

LESSON 7 , 8

Word	P .o. S	Definition	Arabic Meaning
Admiration	n	Respect and warm approval	تقدير واحترام وإعجاب
affection	n	A gentle feeling of fondness or liking	محبة / عاطفة
ailment	n	An illness, typically a minor one	مرض / وعكة صحيه
bestow	v	Confer or present (an honor , right , or gift)	يمنح / يقدم
deserve	v	To do something or have or show qualities worthy of reward or punishment	يستحق
due	adj	Expected at or planned for at a certain time	متوقع / واجب الأداء
Fatal	adj	Causing death	قاتل / مميت
Life expectancy	n	The average period that a person may expect to live	متوسط العمر المتوقع
reverence	n	Deep respect for someone or something	تبجيل / احترام

SET-BOOK QUESTIONS

1- Why has life expectancy reached a high average?

* Because of medical development. Because of the improvements in all fields of life .

2- What does an " aging population " mean?

* It means that there are more elderly people than ever before.

3- All elderly people deserve our admiration and compassion. What is the best way to show our respect for the elderly?

* Help and support them. Holding doors open for them. Standing when someone enters a room .
Not interrupting them when they speak. Respect their opinions.



GRADE Twelve**Module Three****UNIT EIGHT : Town and Country****LESSON 1 , 2**

Word	P .o. S	Definition	Arabic Meaning
Almond	N	The tree that produces a flat pale nut with brown skin that tastes sweet	اللوز
Depopulation	n	The process of the number of people reducing in an area	نقص عدد السكان / هجره السكان
deserted	adj	Abandoned , neglected	مهجور
Export	n	The selling and sending out of goods or services to other countries	تصدير
Graduated	adj	Divided into different levels	متدرج / متسلسل (معنى اخر : مُتخرج)
Infrastructure	n	The basic physical and organizational structures and facilities needed for the society	بنية تحتية
overcrowding	adj	The process of filling an area beyond what is usual or comfortable	ازدحام شديد / تكديس
Public services	n	A service that is run for the benefit of the general public	خدمات عامة
reverse	v	To make something the opposite of what it was	يعكس – يقلب
Rural	adj	In, relating to characteristic of the countryside	ريفي
Socioeconomic	adj	Relating to or concerned with the interaction of social and economic factors	اجتماعي اقتصادي
unemployment	n	The state of being jobless	البطالة
vacant	adj	Of premises, having no fixtures, furniture or inhabitants; empty	شاغر – خالي
Vice versa	adv	With the main items in the preceding statement the other way around	وبالعكس

SET BOOK QUESTIONS

1- Why do people who live in the village move to live in the city?

* To find better paid jobs. For better work. For better public service.

2- What are the advantages of living in a city?

* Better paid jobs. Better infrastructure. Better public services.

3- What are the disadvantages to living in a city?

* Overcrowding in the cities. Deserted country areas and farms. Pollution and noise.

4- What are the disadvantages of living in the country ?

- Poor public service. Poor infrastructure.

5- Why has farming become less profitable in recent years?

- * Pricing smaller farms out of the market. Cheap imports from other countries.

6- What are the consequences of rural depopulation ?

- It leads to over crowdedness. It increases chances of pollution. Many country areas or villages will be deserted. It leads to more socioeconomic problems.

7- City life could be less stressful if

- It enforces more strict criminal laws. The problem of pollution is solved.

8- Living in the city is very stressful . Why ?

- * Because of the noise , pollution , traffic etc

9- Farming has become less profitable . What are the results of that ?

- * Many farmers moved to the cities the unemployment grew and the lands are deserted .

10 -State some of the characteristics of a suitable place for a family to live in.

- Good location. Residents parking. Green area

11- Why do many wealthy people move to the countryside?

- To escape from overcrowding. To escape from pollution

12- What are the advantages of living in the country.

- Life in the country is calm an quiet. There are also green space and fresh air.

UNIT EIGHT : Town and Country

LESSON 3

Word	P .o. S	Definition	Arabic Meaning
contentment	n	The state of being happy and satisfied	رضا / قناعه
Crown jewel	n	The best or most valuable thing that a person or place has	الانجاز الأكبر / أعظم شئ
demarcation	n	The point at which one area of work , responsibility ends and another begins	تعيين الحدود / نقطه الحدود
skyline	n	The shape made by hills or buildings against the sky	أفق
Vertical village	Exp.	The same amount of people occupying a village but in one tall building	بناية عموديه عاليه / عدد كبير من الناس يعيش في بنايه واحده عاليه

SET BOOK QUESTIONS

1- Why is Silk City " Madinat Al Hareer " being built ?

* To establish Kuwait as a commercial hub of the world. To be a big residential area. To provide jobs for people.

2- What is exceptional about Burj Mubarak Al Kabeer?

* It will stand at 200 storey's high. It will house the equivalent of seven "vertical villages".

3- What will the construction of the Silk City combine?

- Residential districts. Financial districts. Commercial districts.

4 -Burj Mubarak is best defined as the Crown Jewel of the Silk City. Why?

* It will house the equivalent of seven vertical villages which will dominate the skyline.

5- Why is The Silk City designed ?

* It is designed for residential purpose. It is designed for commercial purpose. It is designed for financial purposes .

UNIT EIGHT : Town and Country

Lesson 4 , 5

Word	P .o. S	Definition	Arabic Meaning
Astounded	adj	Shocked or greatly surprised	مذهول / مذهول
Bump into	phv	To meet by chance	يقابل بالصدفة
densely	adv	Closely compacted in substance	كثيف / مزدحم
disturbance	n	The interruption of a settled and peaceful condition	إزعاج / مضايقة
embarrassed	adj	Feeling or showing shame	محرج / يشعر بحرج
Far and wide	idiom	Over a large area	كبير / يغطي مساحه كبيره من كل مكان
glamour	n	An attractive and exciting quality	آخاذ - جذاب
Hub	n	Centre of activity	مركز لنشاط
hustle and bustle	idiom	Activity , liveliness	النشاط والحيوية
Metropolis	n	Densely populated city	مدينه مكتظة بالسكان
narrate	v	Give a spoken or written account of	يحكي / يروي
Odds and ends	idiom	Bits and pieces	أشياء مختلفة / نثریات
Pluck up the courage	exp	Make an effort to do something that frightens one	يستجمع شجاعته
tranquil	adj	Calm, free from disturbance	هادئ / ساكن

No SET BOOK QUESTIONS

UNIT EIGHT : Town and Country

Lesson 7 , 8

Word	P .o. S	Definition	Arabic Meaning
Advantageous	adj	A condition or circumstance that puts one in a favourable or superior position	مميز / به ميزات كثيرة
leafy	adj	Having or characterized by much foliage because of an abundance of trees and bushes	محاط بالأشجار
Make it your own	exp	Change something in your possession so that you reflect your personality and character	على ذوقك / يعكس شخصيتك
palatial	adj	Resembling a palace in being spacious and splendid	فخم / مشابه للقصر
picturesque	adj	Visually attractive, esp. in a quaint or pretty style	رائع / جذاب
Residents' parking	n	Parking space reserved specifically for residents of a particular area	موقف سيارات للسكان

SET BOOK QUESTIONS

1- What things should be put into consideration if you want to choose a place to live in?

* The area should be green. It should be quiet and calm. There should be residents' parking.

GRADE Twelve**Module Three****UNIT NINE : NEW YAYS and OLD****LESSON 1 , 2**

Word	P .o. S	Definition	Arabic Meaning
Competent	Adj	Having the necessary ability, knowledge or skill to do something successfully	كفاء
cooking	n	The practice or skill of preparing and cooking food	فن الطهي
Custom-made	Adj	Made to a particular customer's order	مصنوع حسب الطلب
fix	v	To repair something that is broken or not working properly	يصلح
Mail order	n	The selling of goods to customers by mail	طلب تسوق عبر البريد
Mass-produced	adj	Involving or intended for a very large number of people	منتج بأعداد كبيره
unique	adj	Being the only one of its kind, unlike anything else	فريد من نوعه / مميز
Unusual	adj	Not habitually or commonly occurring or done	غير عادي
workshop	n	A room or building in which goods are manufactured or repaired	ورشة عمل

SET BOOK QUESTIONS

1- How have traditional pastimes and leisure activities changed in the modern world?

a- **In the past** : people used to

- * tell stories
- * doing some crafts by hands.
- * play cards

b- **Nowadays** :

- * they go shopping
- * play computer games
- * chat on the net.

2- People in the past were able to fix their things but now they don't have the skills to do that. What other skills were commonplace in the past but are unusual now?

* Making furniture for their houses (tables, shelves, chairs). Fix televisions. Paint their houses.

3- What are the creative uses of home computers?

* Design magazines. Produce posters. Produce diagrams and tables.

UNIT NINE : NEW YAYS and OLD

Lesson 3

Word	P .o. S	Definition	Arabic Meaning
contemporary	adj	Belonging to or occurring in the present	معاصر
craftsman	n	Someone who is very skilled at a particular craft	حرفي ماهر في صناعته
In parallel	exp	Occurring at the same time and having some connection	بالتوازي مع
platform	n	A raised level surface on which people or things can stand	منبر / منصة / رصيف
pottery	n	Clay that has been shaped and baked in order to make pots, dishes	الخزف
promote	v	Support or actively encourage	يدعم وينمي
Seamlessly	adv	Smooth and without seams or obvious joins	بسلاسة وتناغم
socialise	v	To mix socially with others	يختلط بالناس / يكون صداقات

SET BOOK QUESTIONS

1- Many people believe in rebuilding and restoring old buildings . why?

- Because they have historical value. They tell tourists about the culture of the country . They are part of the heritage.

2-Why was Bayt Lothan given that name ?

- Lothan means the shelter, it was the place where ships could take refuge from storm .

3-How does Bayt Lothan help in reviving the art in Kuwait ?

- It houses workshops for arts. It nurtures arts and designs. It exhibits artistic work.

4-What art lessons could one take in Bayt Lothan ?

- Pottery. Photography. Arabic calligraphy.

5-What activities are made at Bayt Lothan ?

- It is also a place for training artists , holding workshops and activities .

6-The art classes in Bayt Lothan are varied and interesting . Explain.

- They have pottery , calligraphy , jewel design and manuscript decoration classes .

UNIT NINE : NEW YAYS and OLD

Lesson 4 , 5

Word	P .o. S	Definition	Arabic Meaning
Below par	exp	Something which is inferior	متدني / سيئ
Call the shots	exp	To make the important decision; to direct a project	يتحكم / يدير / يتخذ القرارات
Immobile	adj	Motionless	لا يتحرك / ساكن
Neck and neck	exp	Evenly matched	متقاربين في النتائج / متساوي
Put to	phv	To ask some a question, especially about something important	يسأل / يستفسر
Snooker	n	A game played with cues on a billiard table	لعبه سنوكر
Substandard	adj	Below the usual or required standard	تحت المستوى
Toe the line	exp	To accept the authority, principles or policies of a particular group esp., under pressure	يمتثل أو يخضع للآخرين
ungentlemanly	adv	Dishonourable	بشكل غير مهذب

Lesson 7 , 8

Word	P .o. S	Definition	Arabic Meaning
appoint	v	To choose someone for a position or a job	يعين
bill	n	A written proposal for a new law, which is brought to a parliament to be discussed	مشروع قانون
biography	n	An account of someone's life written by someone else	سيرة ذاتية
customarily	adv	Usually, habitually	عادة
degree	n	A course of study at a university or college or the qualification that is given to you	درجة علمية
doctorate	n	A university degree of the highest level	الدكتوراة
Master's degree	n	A university degree such as an MA that you can get by studying after graduation	الماجستير
minister	n	A politician who is in charge of a government department	وزير
parliament	n	The group of people who are elected to make a country's laws	مجلس الأمة
portfolio	n	The work that a particular government official is responsible for	منصب وزاري
resign	v	To officially announce that you have decided to leave your job or an organization	يستقيل
whereas	conj	In contrast or comparison with the fact that	بينما

SET – BOOK QUESTIONS

1- What is a biography?

- A biography is an account of someone's life written by someone else.

2- What is the difference between biography and an autobiography ?

- Biography is an account of someone's life written by someone else. Autobiography is an account of someone's life written by the person himself.

3- Mrs. Massouma Al-Mubarak has taken many political positions .Give examples .

- A political science professor. A minister of planning and administrative development
A member of the parliament

Module 3 Focus On

1- Give examples of some traditional old games in Kuwait .

- ALKhabsah . Ambar . Dawama . Dama

2-How do young children entertain themselves today ?

- They usually Watch TV. Listen to music. Play computer games.

3- In the past children utilised their own playing items . How ?

- They used rocks , sand , beads or shells .

4- Children in the past preferred not to play individually . Why ?

- * Because old games involved group socialising .



GRADE Twelve
Module Four
Unit Ten : Pushing the Limits

Word	P .o. S	Definition	Arabic Meaning
Ascend	V	To climb to the summit of a mountain	يتسلق
Attempt	N	An effort to surpass a record or conquer a mountain	محاولة
Dizzying	Adj	Make someone feel of unsteady or confused	مسبب للدوخة أو الدوار
elite	N	A group of people considered the best in a particular society	النخبة / الصفوة
Exhaustion	N	A state of being physical fatigue	إرهاق / تعب شديد
extreme	Adj	Reaching the highest degree	قارس / شديد البرودة
Frost-bite	N	Injury to body tissues caused by exposure to extreme cold	تجمد الأطراف / ضربه صقيع
highlight	V	To pick out and emphasise	يركز أو يؤكد على ..
perilous	Adj	Full of danger or risk	محفوف بالمخاطر
Reconstruction	N	The process of rebuilding something after it has been damaged	إعادة الأعمار (بناء)
scale	N	To climb up or over	يتسلق / يصعد
summit	n	The highest points of mountains and hills	قمة (جبل)

SET-BOOK QUESTIONS

1. There are a lot of limits which face man's progress. What do we need to push these limits?

* We usually need things like Adventure , Courage , Challenge and Ambition. We also need determination and fitness.

2. What difficulties may a mountain climber face?

* Mountain climbers may face Exhaustion , Lack of oxygen , Sickness, Injury , Strong wind and Dizzying heights

3. What qualities would a person need to climb a very high mountain covered with snow?

* They need fitness , strength , perseverance and determination

4. What preparations should be done before going on expeditions like climbing dizzying mountains?

Before going on an expedition we should prepare suitable clothes and shoes , a suitable place to stay in . We should Take a medical kit and a mobile phone..

5- Why do you think people push themselves to extreme limits?

- People push themselves to extreme limits to be famous to make money and to prove their abilities.

LESSON 3

Word	P .o. S	Definition	Arabic Meaning
Clamber	V	To move /climb slowly using hands and feet because of difficulty	يتسلق بصعوبة
Manned	Adj.	Run or operated by human control	يقودها إنسان
Set a record	Exp.	To reach a new limit	يحقق رقما قياسيا
submerged	Adj	Under water	غاطس / مغمور بالماء

Set-Book Questions

1- What are the pros and cons of record breaking attempts?

PROS:

* Amazing achievements , Fame and Proving one's abilities .

CONS:

- extremely dangerous , may lead to death or cause injury.

UNIT TEN : LESSON 4 , 5

Word	P .o. S	Definition	Arabic Meaning
Afflicted	Adj	Affected in an unpleasant, painful way	مصاب ب
Alight	Adj	On fire , burning	مشتعل / محترق
Arson	N	The criminal act of setting fire to property	إحراق الممتلكات عمدا
Austere	Adj	Severe in appearance	قارس / قاسي
Come across	V	To meet or find by chance	يقابل (يأتي على) بالصدفة
Come away with	V	To be left with a specified feeling or impression	ينجح في الحصول على شيء / يفوز ب
Come down	V	To becomes lower	يهبط / ينخفض (السعر)
Come over	V	To visit you at your house	يزور
Come round	V	Recover after being unconscious	يستعيد الوعي / يشفى
Come up	V	To become available unexpectedly/to be mentioned especially in a conversation	يذكر اسم شخص / يظهر فجأة
Exhilarated	Adj	Feel very happy	مبتهج / مسرور
Fatigued	Adj	tired	مرهق
Traverse	V	To travel across or through	يعبر / يجتاز
Unconscious	Adj	Unable to see, hear or sense what is going on	فاقد الوعي / مغمى عليه
Visible	Adj.	Able to be noticed easily	مرئي

LESSON 7 , 8

Word	P .o. S	Definition	Arabic Meaning
Assist	V	To help someone doing a share of some work	يساعد / يعاون
binoculars	N	An optical instrument used for viewing distant objects	منظار
Cope with	V	To deal effectively with something difficult	يتماشى مع / يساير
Crave	V	To feel a powerful desire for something	يرغب بشدة / يشنق ل
Engulf	V	To sweep over to cover completely	يحيط ب / يغطي تماما
Entail	V	To involve something as a necessary part	يستلزم / يتضمن
Feat	N	An achievement that requires great courage and skill	انجاز / عمل بطولي
Grueling	Adj.	Extremely tiring	منهك / مرهق / متعب
Mountaineer	N	A person who takes part of the sport of climbing mountains	متسلق الجبال
Strong-willed	Adj	Determined /stubborn	قوى الإرادة و العزيمة

SET-BOOK QUESTIONS**1- What type of personality and skills are needed for challenges?**

* People who takes challenge usually have strong will , motivation and fitness.

2- What can we learn from expeditions of challenges?

* We can learn good things like patience, courage and experience.

3- What things should you take when going on expedition ?

- We should take water and food, first kit-aid and compass. We should also take tent and binoculars

Unit 10 Lesson 9**1-What piece of advice would you give people performing extreme sports ?**

- I would advise them to tell a friend where they are going , Prepare and check their equipment. They should always be careful and take a mobile with you.

2- How can you stay safe whilst doing extreme sports?

- * By making sure that we are well prepared. By taking a medical kit.
- c- By taking a mobile phone with you. By tell people where you are going.

GRADE Twelve**Module Four****Unit Eleven : The Final Frontier****LESSON 1 , 2**

Word	P .o. S	Definition	Arabic Meaning
Abhorrent	Adj	Inspiring disgust	كراهه / غير مقبول
Awe-inspiring	Adj	Arousing awe from being impressive	مهيّب / مذهش / مدهل
Concept	N	An abstract idea	مفهوم / مبدأ
Detriment	N	The state of being harmed or damaged	أذى / ضرر
Execute	V	To carry out an order, or plan	ينفذ / يقوم ب / يخطط
Frontier	N	The extreme limit of an area, border	حد (حدود)
Intrepid	Adj	Fearless, adventurous	شجاع / مغامر
Mission	N	An expedition into space	مهمة (في الفضاء)
Orbit	V	To fly or move around in a circle	يدور في مدار
revere	V	To feel deep respect for something	يحترم / يبجل
Revolve around	V	To go around	يدور حول
Sentient	Adj	Able to perceive or feel things	مدرك / لديه إحساس
Universe	N	The earth, planets, and stars	الكون

SET-BOOK QUESTIONS :**1-Why is a space station important ?****1- What are the aims of the International Space Station ?**

- They are important to conduct experiments. To see if there's life on other planets.

2- Though space exploration is costly, it is of extreme importance . Give reasons.

- To know new information about space. To discover more information about our planet.

3-Are you for or against space travel ?Why ? Why not?**I'm against.**

- It's a waste of money. It's a waste of time.

OR**I'm for.**

- To know about other planets. To make progress in all fields

**4- Thousands of beneficial innovations have evolved from the work of space scientists .
Give examples !**

- We got many benefits from work in space like digital Technology, food production. Medicine, alternative energy technology.

Unit 11 : LESSON 3

Word	P .o. S	Definition	Arabic Meaning
approximately	Adv	almost	تقريباً / على نحو تقريبي
Dispatch	V	To send off to a destination or for a purpose	يرسل
Obscure	V	To prevent something from being seen or heard clearly	يخفي / يحجب عن الرؤية
Perceivable	Adj	Could be noticed	يمكن رؤيته أو ملاحظته
Scrutinise	V	To examine someone or something carefully	يتفحص / يدرس / يدقق

Set-Book Questions

1- What is a probe ? What is its function ?

- It is a small spacecraft. It documents information and transmits it back to Earth.

2- -Why is it difficult for scientists to study Venus from Earth?

- Because it is completely obscured by clouds.

3- What similarities are there between Venus and Earth ?

- They are comparable in size. They are nearly the same age.

4-What are the differences between Earth and Venus ?

- Venus is devoid of oceans. Venus has a very high atmosphere and .Venus day is very long. A very high temperature .

5- Are you for or against space tourism ?

I'm against..

- It's very expensive and perilous. A waste of time.

6- Why has Venus been given the epithets " the morning star "and" the evening star "?

* Because it is only perceivable from the Earth three hours before sunrise and three hours after sunset.

UNIT ELEVEN : LESSON 4,5

Word	P .o. S	Definition	Arabic Meaning
Astronomical	Adj	Relating to the branch of science that deals with space	فلكي / ذو صلة بالفلك
conducive	Adj	Making a certain situation likely or possible	مساعد على / محفز
exceptionally	Adv	Unusually, remarkably	على نحو استثنائي
habitation	N	The state of living in a particular place	المعيشة / السكن
Natural satellites	N	the moon(s)	أقمار تابعة / أقمار طبيعية
On board	N	Situated on a ship , aircraft or other vehicle	على متن (سيارة/طائرة)
Opportunity	N	A set of circumstances that makes it possible to do something	فرصة
Roughly	Adv	In a manner lacking refinement and precision	تقريباً
Solar system	N	The collection of nine planets and their moons in orbit around the sun	النظام الشمسي
Superb	Adj	Impressively splendid	رائع / فخم
Wane	V	To decrease power or extent; become weaker	يضعف / يخفت

Set-Book Questions

1- Why does Mars hold people's fascination ?

- * Because it is the only other planet with potential to sustain life .

2- Islamic civilization has played a major role in astronomical science. Explain

- * Engage in hundreds of hours of space- walks. The 1971 Apollo 15 mission to the moon took with it the first surah of the Holy Quran.

3-Certain factors make Earth conducive to human habitation like

- Its suitable temperature. Its gravity. The availability of water. The existence of living creatures (plants / animals)

4- What are the aims of the Scientific Center of Kuwait ?

- Advancement of science. Preservation of the cultural heritage of Kuwait.

UNIT 11 / LESSON 7 , 8

Word	P .o. S	Definition	Arabic Meaning
Abnormal	Adj	Deviating from what is usual in a way that is undesirable or worrying	غير عادي
Alert	V	To warn of a danger or a threat	ينبه / يحذر
data	N	Facts collected together for reference or analysis	بيانات / معطيات
Dual	Adj	Consisting of two parts or aspects	ثنائي
Durable	Adj	Able to withstand	يدوم طويلا
Economical	Adj	Giving good value in relation to the amount of money, time, or effort spent	اقتصادي
Emission	N	The production of gas or radiation	انبعاث / خروج الغاز
GPS	N	Global Positioning System	نظام الملاحة الدولي
Monitor	V	Observe and check the progress of something over a period of time	يراقب / يتابع
revolutionise	V	To change radically	يحدث (ثورة / طفرة) تغير كبير
specifically	Adv	Exclusively , particularly	بصفه خاصة / حصرياً
Spin-off	N	Items used in space that improve our lives on Earth	تكنولوجيا فضائيه للاستفادة منها على الأرض
Take for granted	Expression	To believe something to be true without even thinking about it	أمر مسلم به / يسلم بالأمر
trainers	N	A soft shoe suitable for sports or casual wear	حذاء رياضي

SET-BOOK QUESTIONS

1- Different fields of human lives on the Earth are affected by space technology. Mention two of these fields.

* The fields which are affected by space technology are aircraft technology and wireless technology.

2- How has space technology affect aircraft technology?

* It has made aircraft lighter. It has made aircraft faster. It has made aircraft more economical.

3- The wireless technology is now used in medicine. Why ?

* to monitor heart activity. To alert medical staff of abnormal activity of the heart.

4- Other benefits can be gained from space technology? Mention some.

* Satellite television. Weather forecasting. GPS systems. Mobile phones. Air-conditioning units.

5- Advancements Space technology have enabled people to revolutionise their life on Earth . How ?

- Through using aircraft technology . Developing wireless communications.

Unit 11 / Lesson 9

1-Why do astronauts wear a space suit ?

- It has a cooling system. It keeps their food and drinks. It has communication tools.

GRADE Twelve

Module Four

Unit Twelve : Geniuses

LESSON 1 , 2

Word	P .o. S	Definition	Arabic Meaning
abstract	Adj.	Existing in thought , not having a physical existence	مجردة / غير محسوسة
Arbitrarily	adv	Randomly , by chance	بصوره عشوائية
Audience	N	Spectaculars or listeners at a public event	الجمهور / المشاهدون
BSc	Abbrev.	Bachelor of Science	بكالوريوس علوم
Digit	N	Number	رقم / عدد
Genius	N	Intelligence cleverness	عبقريّة / ذكاء خارق
MSc	Abbrev.	Master of science	ماجستير في العلوم
Outstanding	Adj	Unusually good	مرموق / رائع / ممتاز
PhD	Adj.	Doctor of philosophy	شهادة دكتوراه
Precocious	Adj	Having developed certain abilities at an earlier age	مبكر النضوج / سابق سنه
Prodigy	N	A young person endowed with exceptional qualities or abilities	طفل عبقرى أو معجزة
Randomly	Adv	Made without method	على نحو عشوائي
Talents	N	Natural abilities or skills	مواهب
Tour	V	To visit several parts of a country	يجول / يقوم برحله
virtuoso	N	A person highly skilled in music or another artistic pursuit	فنان (موسيقي) مبدع

SET-BOOK QUESTIONS

1- Who are child prodigies ?

- They are children who have outstanding talents or skills at a very young age.

2- What are the advantages of being a child prodigy ?

- Many different advantage like become famous and being rich. Being able to help the society

3- What are the disadvantages of being a child prodigy ?

- He may lose appeal when he becomes an adults. They may lose their skills.

4- Do you think child prodigies should be treated as special cases ? Why ?

- Of course, yes. Because they can be outstanding geniuses .

5- What is the duty of governments towards geniuses ?

- Governments should nurture them and encourage them.

Unit 12 : LESSON 3

Word	P .o. S	Definition	Arabic Meaning
Acquire	V	To buy or obtain	يكتسب
Attire	N	clothes	ملابس
Deputy	N	Someone who is directly below another one in rank and who's in charge when that person isn't there	وكيل / نائب رئيس
Electrochemical	N	Relating to chemical reaction brought about by electricity	كهروكيميائي
Forum	N	A meeting where views on a particular issue can be exchanged	منتدى
Medallist	N	Someone who has won a medal in a competition	الحائز على ميدالية
Reactor	N	A coil that provides reactance in a circuit	راد الفعل في دائرة كهربية
Sewage	N	The mixture of waste from the human body and used water that is carried away from houses	مياه الصرف الصحي
Sponsor	N	A person or organization that provides funds for a project or activity	الراعي الرسمي
unprecedented	Adj	Never having happened before	غير مسبق / لم يحدث من قبل

SET-BOOK QUESTIONS :

1- What should governments do to encourage talents?

* The government should Nurture them, Sponsor them. Encourage them. They should provide them with all necessary facilities.

2- Winning the Oscar at the Geneva's International Fair for Inventions was an unprecedented achievement by three young Kuwaitis . What are their inventions ?

- * **Ahmed AL-Hashash** : Airbag for Motorcycle bikers .
- * **Sadeq Al-Qassem** : Light Indicator system (LIS)
- * **Abdullah AL-Yateem** : electrochemical reactor

3-What does the electrochemical reactor that Abdullah AL Yateem invented do ?

- It uses sewage water to produce electrical energy.

4- Why should Arab inventors go to international fairs ?

- To Show their talents, enjoy challenge, develop their ideas and get experience.

UNIT 12 : LESSON 4 , 5

Word	P .o. S	Definition	Arabic Meaning
Accusation	N	A claim that some one has done something illegal	اتهام
Agonise	V	To go under great mental worrying about something	يسبب قلق
Extravagantly	Adv	Spending money or using resources in a wasteful way	بإسراف وبذخ
High-living	N	An extravagant social life as enjoyed by the wealthy	حياة مرفهة
Jockey	N	A person who rides in horse races as a professional	فارس السباقات
Repudiate	V	To refuse to accept	يرفض
season	N	A fixed time in the year	موسم

UNIT 12 / LESSON 7 , 8

Word	P .o. S	Definition	Arabic Meaning
Accolade	N	An award granted as a special honour	وسام / ميدالية / جائزة
Aligned	Adj	Put into correct position	مرتب / منظم
Bladder	N	A membranous sac in which urine is collected for excretion	المثانة
Eternity	N	Infinite or unending time	خلود / أبدية
Genetics	N	The study of heredity and inherited characteristics	علم الجينات / علم الوراثة
Gifted	Adj	Having exceptional ability or talent	موهوب
Molecular	Adj	Consisting of molecules	جزيئي
Nomination	N	Proposing entering as a candidate for election or for an honour or award	ترشيح / تسمية مرشح
Non-invasive	Adj	Not requiring the introduction of instruments into the body	بدون جراحة / لا يحتاج إلى تدخل جراحي
Recipient	N	A person or thing that receives or is awarded something	المستفيد / المتلقي
researcher	N	A person who investigates materials in order to reach new conclusions	باحث

SET-BOOK QUESTIONS :

1-The Kuwaiti Scientist Dr. May AL-Maghrebi earned the nomination of the new Genius award because of her achievements . Give examples !

- She developed non-invasive technique to cure bladder cancer . Received Kuwait's university best young researcher award . Received many international awards . Awarded her PhD in molecular biology and genetics .

Unit 12 : Lesson 9

1-What information should you fill in when applying for the university ?

- I should fill in information like first and surname , gender , permanent address and date of birth .

Module 4 Focus On

1-What does a person need to fulfill his dream ?

- He needs to be persistent, realistic, courageous and well-planned . He should also have clear idea about his aims.