

## Derivations(الفصل الاول)

Verb	Noun	Adjective	adverb
access (يدخل الي الكمبيوتر)	access (دخول)	accessible (يمكن الدخول اليه)	-----
	allergy (حساسية)	Allergical (متحسس)	
calculate (يحسب)	calculation (حساب)	-----	-----
desalinate (يحلي مياه البحر)	desalination (تحلية مياه البحر)		
inoculate (يطعم)	Inoculation (تطعيم)		
Program (يبرمج)	programme (برنامج)	-----	-----
rely on (يعتمد على)	-----	reliable (يعتمد عليه)	-----
append (يلحق)	Appendage (ملحق طرف)	-----	-----
-----	artifice (براءة)	Artificial (صناعي) (غير طبيعي)	artificially (على نحو صناعي)
-----	cancer (سرطان)	cancerous (سرطاني)	-----
commit (يلتزم)	commitment (التزام)	Committed (ملتزم)	-----
complement (يكمل)	complement (اكمل)	Complementary (تكميلي)	-----
-----	convention (تقليد)	Conventional (تقليدي)	Conventionally (تقليديا)
expand (يوسع)	Expansion (اوتوسعة توسع)	-----	-----
focus on (يركز على)	-----	focused (مركز)	-----
-----	economics (علم الاقتصاد)	economical (اقتصادي)	economically
-----	mathematics (رياضيات) mathematician (عالم رياضيات)	mathematical (رياضي / ذو علاقة بالرياضيات)	-----
Harmonise (يوالف/يناغم)	harmony (تناغم)	Harmonious (متناغم)	-----
immerse (ينغمس بـ)	immersion (غمس او غمر)	-----	-----
Philosophise (يفلسف)	philosopher (فيلسوف)	philosophical (فلسفي)	-----
qualify (يؤهل)	qualification (مؤهلات)	-----	-----
restore (يجدد/يرمم)	restoration (تجديد/ترميم)	-----	-----
revolutionise (يحدث ثورة بـ)	revolution (ثورة)	revolutionary (ثوري)	-----
sustain (يطيل)	Sustainability (استدامة)	sustainable (مستدام)	-----
Translate (يترجم)	translator (مترجم) translation (ترجمة)	-----	-----
	Viability (قابلية التطبيق)	Viable (قابل للتطبيق)	
vary (يتنوع)	variation (تنوع)	variable (متنوع)	-----

## قواعد الاشتقاق : Derivation Rules

### 1. الاسماء Nouns

-- <b>tion</b>	translation/ revolution/ restoration/ qualification/ convention/ Inoculation / calculation/ desalination
-- <b>ty</b>	Viability / Sustainability
-- <b>er/or</b>	philosopher/ translator
-- <b>sion</b>	<b>Expansion</b> / immersion
-- <b>ment</b>	commitment/ complement
-- <b>ness</b>	<b>sleeplessness / breathlessness/ awareness</b>
-- <b>age</b>	Appendage / shortage / usage
-- <b>dom</b>	<b>wisdom / kingdom / freedom</b>

### 2. الصفات Adjectives

-- <b>able</b>	sustainable / Viable / variable / reliable / convention/ Inoculation / calculation/ desalination
-- <b>y</b>	revolutionary / Complementary/ Viability/ Sustainability
-- <b>al</b>	philosophical / mathematical/ Allergical / Artificial/ economical/ Conventional
-- <b>ous</b>	harmonious / cancerous
-- <b>ed</b>	Committed / focused

### 3. الظروف Adverbs

-- <b>ly</b>	artificially / Conventionally / economically
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**A. Complete the following sentences with the suitable words derived from the words in brackets and write the answers down in your ANSWER BOOKLET.**

1. How many .....s,can a computer make per second. (calculate)
2. It is widely believed that new technology is going to ..... everything we do in our life. (revolution)
3. Farmers use ..... Fertilizers so that they can harvest their crops earlier. (artifice)
4. The fast ..... of cities can cause social and economic problems. (expand)
5. Some people are .....to penicillin. It is very important to tell your doctor.(allergy)
6. Most of the clinics of the Ministry of Health.....children against many dangerous diseases. (inoculation)
7. One of the options to solve shortage of water is the.....of sea water. (desalinate)
8. Masdar City is the first .....-created city in the world. (artificial)
9. Al-Khwarizmi was a famous Arab..... . (mathematics)
10. Unemployment, which is increasing year after year, needs a .....solution.(viability)
11. Eating wisely and taking regular exercise is very ..... method of keeping fit and healthy. (rely)
12. Computer hackers can ..... your computer's hard drive and steal your personal information. (accessible)
13. Our company has a .....to good quality and excellent customer service. (commit)
14. .... medicine is a wide variety of health care practices that may be used along with standard medical treatment. (complement)

**Answer Sheet**

1. calculation	2. revolutionise	3. artificial
4. expansion	5. allergical	6. inoculate
7. desalination	8. artificially	9. mathematician
10. viable	11. reliable	12. access
13. commitment	14. complementary	