PHYSICS 11 – EQUATION SHEET (2018) – Strachan

**KINEMATICS**

**FORCES**

 F

**MOMENTUM**

**ENERGY, WORK AND POWER**

**CIRCUITS**

V =  P = V Series Req = R1 + R2 + R3…. Parallel 1 = 1 + 1 + 1 …..

 R Req R1 R2 R3

**WAVES**

**OPTICS**

**RELATIVITY**

**NUCLEAR**

**CONSTANTS**

**INDICES OF REFRACTION:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vacuum | 1.0000 |  | Crown glass | 1.52 |  | Water | 1.33 |  | Flint glass | 1.61 |
| Air | 1.0003 |  | Quartz | 1.54 |  | Ethanol | 1.36 |  | Diamond | 2.42 |