

# Stars & The Universe

## Question Paper

Course	CIE IGCSE Physics
Section	6. Space Physics
Topic	Stars & The Universe
Difficulty	Medium

Time Allowed	10
Score	/5
Percentage	/100

### Question 1

What is the correct description of the Milky Way?

- A. Universe
- B. Star
- C. Galaxy
- D. Nebula

[1 mark]

### Question 2

Which is the best description of redshift?

- A. Distant galaxies only emit light from the red end of the spectrum.
- B. Only red light can reach Earth from very distant stars.
- C. Stars in the Milky Way mostly emit light at the red end of the spectrum,
- D. The light received from distant galaxies is moved towards the red end of the spectrum.

[1 mark]

### Question 3

How many years would it take light to travel from the centre of the Milky Way to the outer edge?

- A. 500 years
- B. 50 000 years
- C. 100 000 years
- D. 100 000 light years

[1 mark]

**Question 4****Extended tier only**

What is the process which makes stable stars such as the Sun shine, and which element produced in the reaction?

	Process	Element
A	fusion	oxygen
B	fission	hydrogen
C	fusion	helium
D	fission	hydrogen

[1 mark]

**Question 5****Extended tier only**

Which of the following equations correctly represents the age of the Universe?

A.  $v = H_0 d$

B.  $H_0 = \frac{v}{d}$

C.  $\frac{1}{H_0} = \frac{v}{d}$

D.  $\frac{1}{H_0} = \frac{d}{v}$

[1 mark]