Practice Question Set For GCSE

Subject: Physics

Paper-2 Topic: GCSE Triple Science_Space Physics (HDQ)



Name of the Student: Max. Marks: 19 Marks Mark Schemes		Time : 19 Minutes
(a)	fusion accept fussion	_
	energy producing process	1
	accept heat and/or light for energy	
	accept fussion	1
(b)	up to 2 points from: 3 marks for 3 points in sequence with no contradiction	
	 expands 2 marks for 2 points in sequence with no contradiction 	
	• cools	
	 forms a red giant 1 mark for a correct point which is not contradicted 	
	up to 2 points from: do not accept 'it turns red'	
	• contracts	
	increases in temperature	
	forms a white dwarf ignore further reference to black dwarfs, black holes, nebulae, supernovae	3
		[5
Q2.		
(a)	gravitational attraction for 1 mark	
		1
(b)	gravitational (in); high internal temperature generates force (out) for 1 mark each	

2

(c) star expands;
to form red giant;
then contracts/collapses;
to form white dwarf/neutron star/black hole/pulsar;
they may explode/become supernova
any four for 1 mark each

4

1

(d) engulfed by red giant/blown up by star/hit by debris from star; sucked into black hole for 1 mark

[8]

Q3.

light from (distant) galaxies shows shift to red end of spectrum wavelength increased explained by galaxies moving away from us more distant galaxies have greater recession speed seen in all directions suggests universe is **expanding** any sensible reference to similar effect on Earth any 6 for 1 mark each

[6]