

PHYC 2451 and 2452 2011/12

Answers to Quizzes and Examinations

Section A: Multiple Choice

Question	Quiz #1	Quiz #2	Final Exam 2451	Quiz #3	Quiz #4	Final Exam 2452
A1	b	b	a	d	d	d
A2	b	d	a	d	b	b
A3	a	d	c	c	b	b
A4	d	c	c	d	a	b
A5	b	a	a	b	a	d
A6	c	c	a	a	a	c
A7	d	d	c	b	d	c
A8	d	d	d	d	a	a
A9	a	a	c	a	d	d
A10	d	c	a	d	a	b

Section B:

Question	Quiz #1	Quiz #2	Final Exam 2451	Quiz #3	Quiz #4	Final Exam 2452
B1	Parsec	Radio	Superior	Hydrostatic Equilibrium	Degenerate Electron Pressure	Hertzsprung-Russell Diagram
B2	Arctic Circle	Stefan-Boltzmann Law	ExtraSolar	Corona	Asymptotic Giant Branch	(Interstellar) Extinction
B3	Epoch	Paschen	Aurora	Neutrino Oscillations	Type II	Chandrasekhar Limit
B4	Declination	"-particle	Libration	Colour Index	Planetary Nebula	(Galactic) Halo
B5	Equinox	Spectrum	Earth	OBAFGKM	Nova	Gravitational Lens
B6	Synodic Month	Aperture	Cassini Division	Giant Molecular Cloud	Neutron Star	3K Cosmic Microwave Background
B7	Tycho Brahé	Newtonian (or Coudé)	Gallileo	Evolutionary Track	Glitch	Cosmological Principle
B8	Perigee	Kuiper belt	Magneto-sphere	Cepheid Variable	Event Horizon	Hubble Law
B9	Semi-major Axis	(Mean) Density	Ganymede	Red (Super)Giant	Mass, Charge, Angular Momentum	Jeans' Length
B10	Greatest Elongation	Terrestrial	Miranda	Turnoff Point	Supermassive Black Hole	Tully-Fisher Relation

Section C:

Quiz #1	Quiz #2	Final Exam 2451	Quiz #3	Quiz #4	Final Exam 2452
4 A.U.	10 000 K	4.2 nm	618	1.7×10^{30}	1.18×10^{12}
8 yr	100 X	11.2 My	61.8	1.5×10^8	1.5×10^8
0.5	617 km/s	134 m/s	12.0; 9.4	1.5×10^5	4.5×10^8
3.46 A.U.		a & e for Mars & Jupiter	$V_{esc}/V_{RMS} =$ 52 for Sun; 6.6 for Red Giant	2.86	64

Section D:

(Check the text for answers)