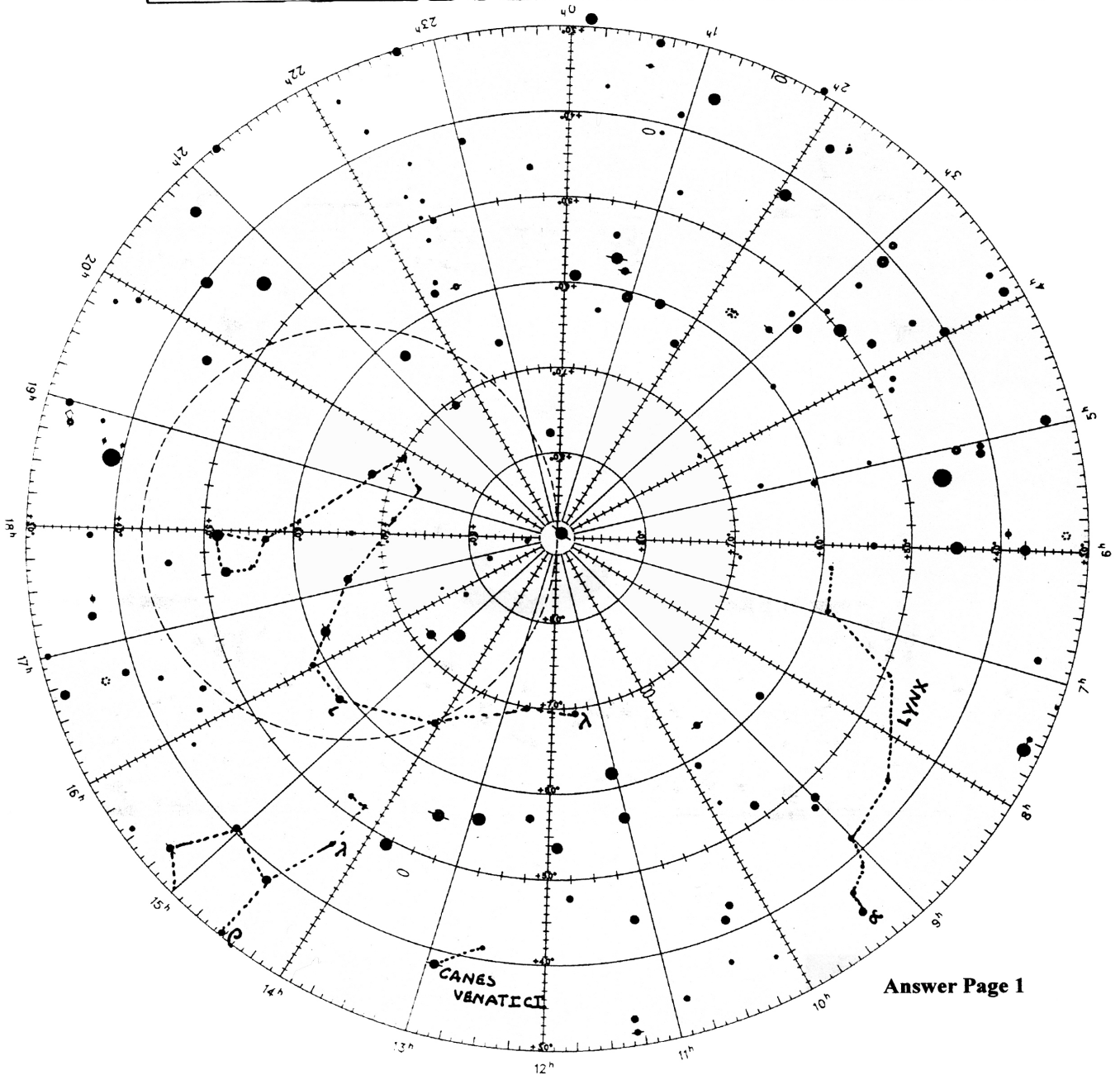


ANSWER PAGES

Question A, parts (a) and (b)

Star in Ursa Major	Proper Motion ("/year)	Direction of Motion	Motion in 100,000 years (degrees)
Alpha (α)	0.138	α Lyncis	
Beta (β)	0.088	λ Draconis	
Gamma (γ)	0.093	ι Draconis	
Delta (δ)	0.106	ι Draconis	
Epsilon (ϵ)	0.113	ρ Bootis	
Zeta (ζ)	0.127	λ Bootis	
Eta (η)	0.123	α Canum Venaticorum	



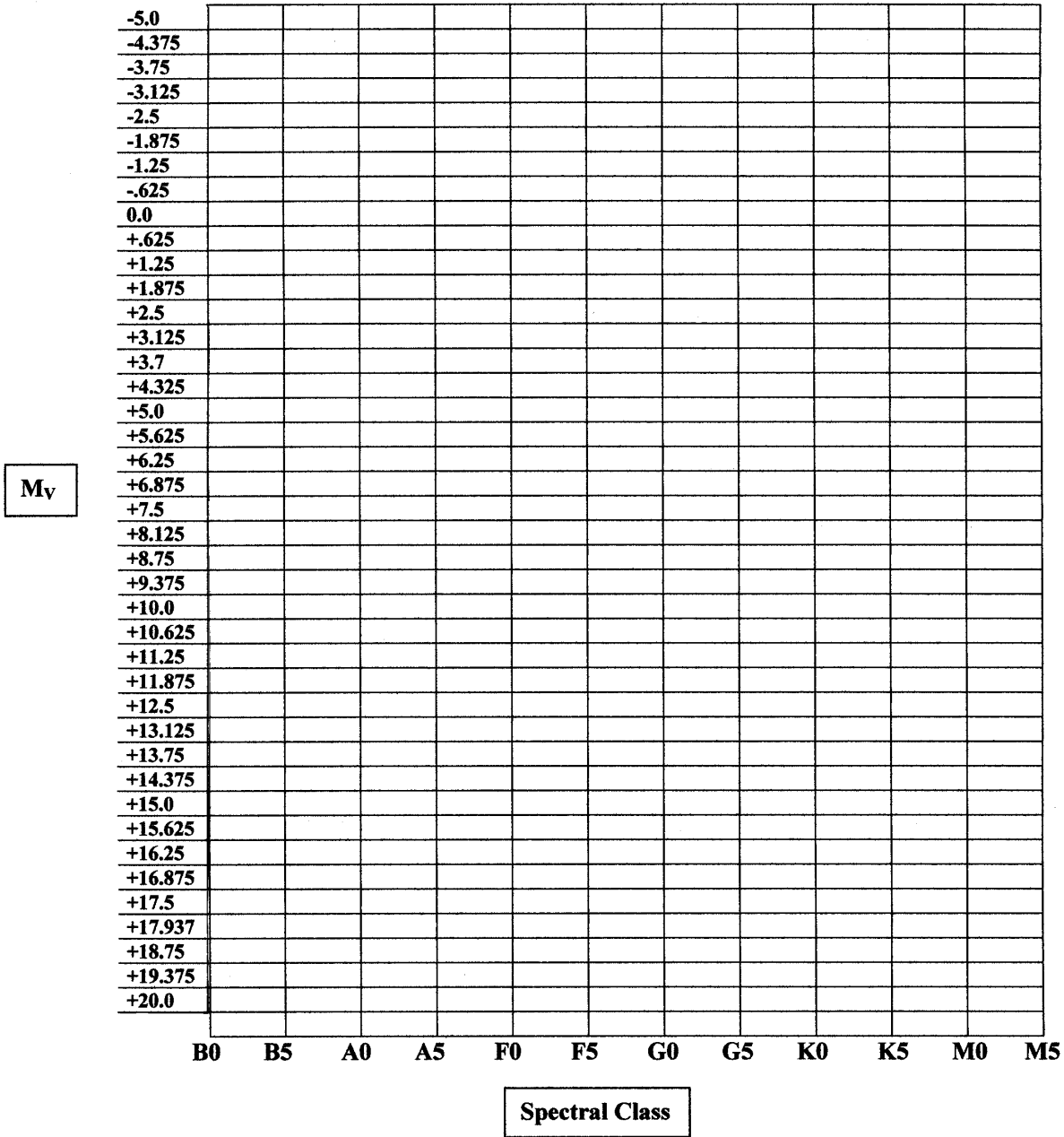
Question A:

- c) Name _____
RA/Dec _____
Constellation _____
Image 2
Name _____
RA/Dec _____
Constellation _____
Image 3
Name _____
RA/Dec _____
Constellation _____
- d) Star Name _____
Constellation Name _____
- e) Specific Star Type _____
Periodicity _____
Magnitude at Maxima _____
Magnitude at Minima _____
Distance from Earth _____
- f) Epoch Correct? Why? _____
- g) Period Changing? _____
- h) Between Cycle 0 and 45 _____
Between Cycle 45 and 60 _____
Between Cycle 60 and 110 _____
Between Cycle 110 and 190 _____
- i) Slope Information _____

Question B:

- a) Velocity and Direction of System _____
- b) Orbital Velocity of Star A _____
Orbital Velocity of Star B _____
Distance Between Star A and Star B _____
- c) Mass of Star A _____
Mass of Star B _____

H-R Diagram



Question C:

a) Plotted on H-R diagram on Answer page 3

b) Age of Pleiades _____

Age of Hyades _____

Age of M15 _____

c)

	Pleiades	Hyades	M15
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Coordinates: _____

Type: _____

Location: _____

Why Does Calculated Age Support Cluster Type? _____

Question D:

a) Image 15 Constellation _____

Object 1: Image # _____ Name _____

Object Type _____ RA/Dec _____

Object 2: Image # _____ Name _____

Object Type _____ RA/Dec _____

Object _____ Produces Light Curve _____

b) Image 19 Event _____

Over Time Images _____ and _____

Galaxy Name _____ Galaxy Image # _____

c) Image 7 RA/Dec _____

Other Image Within this Object _____ Type _____

d) Image located in Cygnus: Name _____

Number _____ Type of Object _____

e) Image 17 Object _____ Constellation _____

Image Number for Object _____ Type of Object _____

Other Image Number _____ Name _____

f) _____

g) _____

h) RA/Dec of Object in Image 13 _____

Distance Determined From Image _____