		Reg. No.:				
	(Affiliated to Madurai Kama	COLLEGE SELF FINANCE AUTONOMOUS) <i>raj University</i> <i>Accredited with 'B' Grade by NAA</i> EXAMINATION - NOVEMBER - 2021	<i>C)</i>			
Course Code : 20PPHN31 Time :				: 08.02.2022 : 10:00 AM - 1:00 PM Marks : 60		
Q. No.		- A (10 * 1 = 10 Marks) er ALL Questions	CO(s)	K - Level		
1.	The Phythagoras appear to have been the first to have taught that the Earth is		CO1	K1		
	1.all the center of universe	2.spherical in shape				
	3.orbits around the sun	4.flat with sharp edges				
2.	Spectral line splitting due to the influence of magnetic fields is called		CO1	K2		
	1.Boltzmann Effect	2.Zeeman Effect				
	3.Planck Effect	4.Zanstra's Effect				
3.	The cosmic background radiation, a remnant of the Big Bang, is at what temperature?		? CO2	K1		
	1.100 K	2.0 K				
	3.2.3 K	4.2.7 K				
4.	Which is the only moon in the solar system with a substantial atmosphere?		CO2	K2		
	1.Saturn's TITAN	2. Venus's TITAN				
	3.Neptune's TITAN	4.Mars TITAN				
5.	What process produces a star's energy?		CO3	K1		
	1.Hydrogen and oxygen combustion	2.Nuclear fusion				
	3.Neutron beta decay	4.Nuclear fission				
6.	Most stars are cooler than the sun. These stars, the planets, interstellar clouds and star forming regions emit most of their radiant energy in the		ar- CO3	K2		
	1.Visible	2.X-ray region				

	3.Ultraviolet	4.Infrared		
7.	What type of visible star is the coolest?		CO4	K1
	1.O	2.A		
	3.G	4.M		
8.	Heliocentric means around		CO4	K2
	1.The Sun	2.The Earth		
	3.The Moon	4.The Mars		
9.	A coordinate system based on the ecliptic system is of	is especially useful for the studies	CO5	K1

2/7/22, 8:40 PM		CMS		
	1.Planet	2.Stars		
	3.Milky way	4.Stars		
10.	In which spectral region is it possible for astronomers to observe through clouds?		CO5	K2
	1.Visual	2.Ultra violet		
	3.RADIO	4.X-ray		
Q. No.	SECTION - B (5 * 4 = 20 Marks) Answer ALL Questions		CO(s)	K - Level
11. (a)	Discuss about origin of earth and other planets.		CO1	K2
	[OR]		
(b)	Interpret Kepler's third law of planetary motion and	their consequences.	CO1	K2
12. (a)	Discuss the characteristics of Spiral galaxies.		CO2	K3
(\mathbf{b})	[OR] Describe the brief outline about Milky way.]	CO2	K3
(b)				
13. (a)	Classify various stars in Milky way.	1	CO3	K4
(b)	Compare the characteristics of white drawf star and	*	CO3	K4
14. (a)	Interpret Structure of sun and its properties.		CO4	K2
	[OR]		
(b)	Interpret the role and properties of asteroids.		CO4	K2
15. (a)	Analyse Light year and its distance parameter.		CO5	K3
	[OR]		
(b)	Examine the dimensions of Celestial sphere.		CO5	K3
Q. No.	Q. No. SECTION - C (3 * 10 = 30 Marks) Answer any of 3		CO(s)	K - Level
16.	Briefly explain Pythagorean spherical earth.		CO1	K2
17.	Show the difference between Spiral, elliptical and in	regular galaxies.	CO2	K3
18.	Compare the properties of Red giant, white dwarf and neutron stars.		CO3	K4
19.	Compare Sunspot and solar flares in Milky way.		CO4	K5
20.	Examine the content of Inter planetary distance and	inter galactic space.	CO5	K3
