## Assignment of General Science.

Is Scientific evidence of the Big Bang. In start our universe temprature is too high because its density is too high. Our un iverse expands it temporature flow so then after 400,000 years of the universe. the electrons and protons are combined into atoms and commation of electrons and protons are photon's light is flow free by this is the transit in from plasma to gases in big bang. In 1965, Arnobenzius and Robbert willson they were work on microcwave antina they noble prize in this work. Cosmic Background sadiation. when ou universe temporature high and also density then the atoms are not created and electrons and protons flow freely and light of noton can not escape and can't move on that time our universe is opace) mens plasm type- Nucleosynthesis ( ithium, helium, bretim deterium) big song predicts that what their from tions on universe expand and its trup notos is cold, Carbon, Nitrogen, oxygen they made

Improve the structure. Use subheadings



in stars. But big bong predicts that our n iverse has 75% gdrogen and he liven and other evenents are 1%. What is the possible shape of the universe! Possibly flat like a sheet of paper, closed ike, a sphere, or opens like a saddle. (Theory of general relativity.) Short and incomplete answer. Q: 3 What Discussaiteitadetailne bula? Ans A plane tary nebula is a glowing cloud of gas created when a star Like the sun shades sheds it outer layers as it means the ead of its life. The gas expanses outward and shines brightly form ing a colorful shell asound the suntightagingstar. 2:4 What is Cost cloud? Any The Oost cloud is a vast, spherical resion of icy objects that surrounds our solo sistem for beyond the plane ts. It etains remnais from the early Solar system and serves as the Source of long-period come ts. A 5 marks answer should have around 2 pages of length

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Q:5 What is Kuiper Belt? And The Kiciper Belt is a huge, icy areas in space just beyond the orbit of Neptune the outermost plane to in our system. Imagine it as a big ring of ice and rock floating around the sun. It's where many small objects, including some dwarf planets, bre found. This area is impostant because is where some come to come from, and it helps scientists to understand how our solar formed and evolved. Dec Asteroid Benny: Asteroid Benny is a Small rocky doject in space that orbits the sun, Sim flar to other asteroids. It's about 500 me ters (1,640 fee t) wide, which is roughly the size of a small moun a in Benne is par ticularly in teresting secause it's a near-For the asteroid meaning to ath come close to ear this orbit. Work on the structure, length and

arguments of the answer and then

attempt the remaining answers a monocanner

9:7 Satellite galany: Ans These less massive galaxies have their own impressive collection of stars, which all osbit their own center, but the galaxies and everything in them orbit our galaxy too. It's as if our galaxy is the sun and those other galaxies are planets. Astronomers call them sate thite galanies. Q:8 Which planets in space are good for survival? Ans Ear th is the only celestial body known for sure to have generated living beings and thus the only current example of a habitable planet. Q:9 What are polar lights? Are Polar Lights (aurora polar is) are a natural phenomenon found in both the northern and Southern hemispheres. It is a natural Light display in Earth's sky, predom inantly seen in high-latitude regions. Auroras display olynamic patterns of brilliant lights that appear as cue tains, says, Spirals, or dynamic flickers covering the entire sty.

2:10 What are impacts of solar winds? olar wind is continual stream of protons and electrons from the sun's atmosphere. When the solar wind reaches Earth it sends a flurry of charged particles into the magnetosphere and along Earth's magnetic field lines, towards the poles. he interaction of these particles with. Ear this atmosphere can produce glowing aurora display above polar regians. Q:11 Structure of Earth: Ins The earth is made up of three different Layers: the crust, the mantle and the core. , The Coust: The crust is the outside layer of the earth and is made of solid rock, mostly basalt and granite. There are two types of crust. Oceanie coust and continental crust. Oceanic crust: Oceanic crust is denser and thinner and mainly composed of Continental Coust: Continental crust is less densex thicker, and mainly composed of granite.

. The Mantle: The mantle lies below the crust and is up to 2900 km - hick. - It consists of hot, dense, iron and magnesium-rich solid rock. The crust and the upper part of the mantle make up the Lithosphere, which is broken into plates, both large and . The Core: The core is the centre of the earth and is made up of two parts: The liquid outer core and solid inner core-The outer core is made of nickel, iron and molten sock. Temperatures here can reach up to 50,000 C. Q:12 What are Tectonic Plates? Ans Tectonic plates are gigantic pieces of the Ear this court and appeamost mantle. They are made up of oceanic coust and continental crust earthquakes occur around mid-ocean ridges and the large pults which marks the edges of the plates.

Q:13 What is Tectonic plates boundary? Ans A tectonic plate boundary is the border be tween two plates. The tectoric plates slowly and constantly move but in many différent dicrections. Some are mor ing towards each other, some are moving apart, and some are grinding past each other. Types, of Plate Boundar ies: the study of plate boundaries and their mot ion is like figuring out a constantly mor ing jigsaw puzzle. · There are three types of plate boundaries. 1. Convergent, Boun dary: Convergent boundary occurs when two tectoric plates and a continental plate collide, the ocean plate slides under the continental plate and bends downward. 2. Divergen t , Boundary: A divergent margin occurs when two plates are spreading aport, as at seafloor sidges or continent rift Zones Such as the East Africa Rift. Molten rock rises from the Ear this center to fill the gap.

3. Transform . Boundary: Transform margins mart.

slip-sliding plates. Such as Colifornia's

San Andreas fau It. The San Andreas fou It

marks the location where the North

America and Pacific plates grind past

each other in a horizontal motion.

The plates do not slide Smoothly,

but build tension and release it in the

form of an ear thequake.

Q:14 Can ear thquakes be predicted?

Ans No ear thquakes cannot be predicted

With soo percent certainity.

Q: How are ear thquake caused?

Ans An ear thquake is caused by a sudden slip on a fautt. The tectonic plates are always slowly moving, but they get stuck at their edges due to friction.

When the stress on the edge overcomes the feiction, there is an earthquake that releases energy in waves that travel through the ear this crust and cause the shaking that we feel.

Quis What is the difference between magnitude and in tensity of a earthquake? ms Magnitude: is a measure of ear thquake Size and sema ins une hanged with distance from the ear thquate. Intensity: describes the degree of shaking caused by an ear thouaste at a given decresses with distance from the ext hquake epicenties. 2:16 What is the difference between an ozone hole and ozone deple tion? ne Ozone, hole: The thinning of ozone layer in stratosphere over Antouctie due to Cayer depletion caussed by several anthropognic process is called ozone hole. Ozone deplet ion: gradual thirming of Earths by the release of chemical compounds

containing gaseous chlorine or bromine from industry and other human activities