2.	. Where is Eden garden? Eden Gardens is a cricket ground in Kolkata, India. Established in 1864.	
3.	. Where is Shalimar garden? Shalimar Bagh is a Mughal garden in Srinagar.	e during
	ass is an alloy of opper and Zinc b. Copper and tin c. Zinc and tin d. None	-
	hich of these countries is entirely surrounded by the Republic of South Africa? vaziland b. Lesotho c. Mozambique d. Namibia	
	hich newspaper used to have the nickname of The Thunder e washington Post b. The Daily Telegraph c. The Times d. None	
a. The	ith what process would you associate the word 'xymurgy'? e drying of paint b. The turn of the titles rmentation in brewing d. Pasturization of milk In a normal healthy body the number of red cells or erythrocytes in each metre of blood is a. 40 lakh b. 50 lath c. 60 lakh d. 70 lakh	h cubic
• • • •	nal red blood cells values at various ages are: Newborns: 4.8 - 7.2 million Adults: (males): 4.6 - 6.0 million (Females): 4.2 - 5.0 million Pregnancy: slightly lower than normal adult values Children: 3.8 - 5.5 million s://www.rkceus.com/cbc/cbcrbc.html	
9. Ho	w do bannas grow? a tree b. On a bush c. under the ground d. None	
	Iow long is the Suez Canal?	

11. A star may be described as having a certain magnitude .To what does this refer? a. Its brightness b. Its size c. Its surface temperature d. None Magnitude, in astronomy, measure of the brightness of a star or other celestial body. The brighter the object, the lower the number assigned as a magnitude. In ancient times, stars were ranked in six magnitude classes, the first magnitude class containing the brightest stars.

. none

12. Where would you expect to find an overture? a. At a cricket match b. At the beginning of an opera c. In a walled Garden Overture, musical composition, usually the orchestral introduction to a musical work (often

dramatic), but also an independent instrumental work.

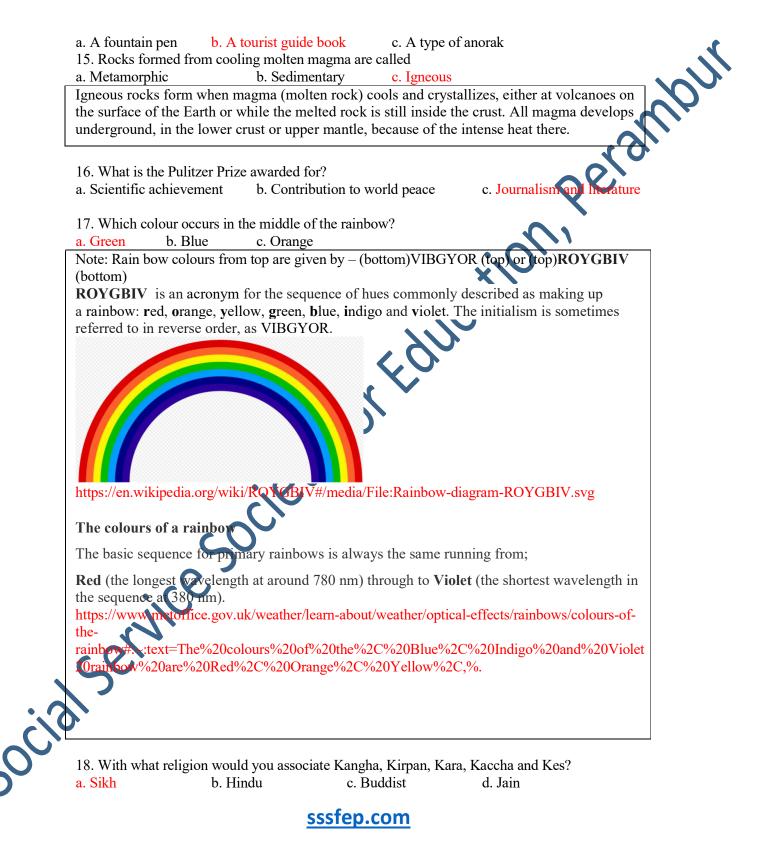
13. Everest is the world's highest mountain. What is the name of the second ghest? a. K2 Dhavalagigiri d. None b. Annapurna c.

			Height	Height	
Mountain peak	Range	Location	ft.	m	
<u>Everest</u> ¹	<u>Himalayas</u>	Nepel/Nibet	29,035	8,850	
K2 (Godwin Austen)	Karakoram	Pakistan/China	28,250	8,611	
<u>Kanchenjunga</u>	Himalayas	India/Nepal	28,169	8,586	
Lhotse I	Himalayas	Nepal/Tibet	27,940	8,516	
Makalu I	Hinalayas	Nepal/Tibet	27,766	8,463	
Cho Oyu	Himalayas	Nepal/Tibet	26,906	8,201	
Dhaulagiri	Himalayas	Nepal	26,795	8,167	
Manaslu I	Himalayas	Nepal	26,781	8,163	
Nanga Parvat	Himalayas	Pakistan	26,660	8,125	
Inapl. 1a	Himalayas	Nepal	26,545	8,091	

https://www.infoplease.com/world/geography/highest-mountain-peaks-world

14. If someone said that they were taking their baedeker with them what would they be referring to?

<u>sssfep.com</u>



The names of all the Ks - kes, kangha, kirpan, kara and kachh - have Sanskrit roots.

Recamplu 19. If you referred to a thesaurus, it would be? a. A measuring instrument b. A book about words d. Dictionary c. A prehistoric reptile 20. If anyone gone to Staten Island what would he/she see? a. Notre Dame Cathedral b. The Statue of Liberty c. Alcatraz Prison d. Buddha statue 21. What was built in the year 1889? a. The Empire State Building b. Nelson's Column 22. Which metal is associated with the adjective ferric? a. Iron b. Lead c. Platinum Copp 23. What would you be practising if you came across asana a. Singing b. Yoga 1. aerobics c. Lay 24. Which mountain range separates France from Spain b. Alps c. Pyrences a. Dolomites d. Andes The Pyrenees - It stretches from the shores of the Mediterranean Sea on the east to the Bay of Biscay on the Atlantic Ocean on the west. The Pyrenees form a high wall between France and Spain 25. The circumference of the earth around the poles is a. The same as the Equator b. Greater than the Equator c. Less than the Equator d. None Using those measurements, the equatorial circumference of Earth is about 24,901 miles (40,075 km). However, from pole-to-pole — the meridional circumference — Earth is only 24,860 miles (40,008 km) around. This shape, caused by the flattening at the poles, is called an oblate spheroid he speed at which the Earth revolves round the sun at the equator is

a. 800 km/minute b. 900km/minute c. 1,500 km/minute d. 1,670 km/minute

Ans: d. 1,670 km/minute

Speed of the Earth's Rotation at the Equator

Speed of	Rotation = Distance/Time =	= 40,000 km / 24 hr = 1	1670 km/hr
The speed of rev	olution around the Sun is ev	ven larger.	l 670 km/hr d. Galaxy
27. What is the co	entre of the Solar System?		.?
a. Sun	b. A black hole	c. Earth	d. Galaxy
28. If one flew in	to the airport at Luanda, the	country would be?	$\mathbf{o}\mathbf{v}$
a. Peru	b. Angola	c. Indonesia	d. Algeria
	As a woman I have not cour	ntry. As a woman I wai	nt no country. As a woman
my country is the a. Germane Green		c. Virginia woolf	d. Mother Terasa
	Three Guineas. London: H	<u> </u>	d. Wother Terasa
_			
	following is holy river of the	e Hindus?	
a. Narmda	b. Brahmaptura	c. Canges	d. Sarayu
31. How many m	illimetres are there in a mete	r?	
a. 1,000	b. 100		d. 10000
32. What is the T	aj Mahal?		
	A place of worship c. A pa		
5	an ivory-white marble mau ty of Agra. It was built by N		
	hal with construction starting		
	guest house and the main ga	-	-
	ded subsequently and comp	leted in 1653. It is a W	orld heritage site.
https://whc.unesco	perg/en/fist/252/		
	e imaginary lines of earth is Tropic of Cancer c. Trop	mainly vertical? ic of Capricorn	d. International Date Line
a. Equator b.	Tropic of Cancer C. Hop		u. miemanonai Date Lille
34. Vitamin B2 is	also known as		
	Riboflavin c. Calci		
	known as vitamin B2) is o		
soluble. Kibolla	vin is naturally present in so tary supplement	onne roods, added to sol	me rood products, and

35. From Which a. Japnaese	language do we hear the b. Arabic	e word dungaree? c. Hindi	d. Aral	bic	2
A coarse cotton f	abric used chiefly for w	ork clothes. It is stil	l used in India	n Railways.	
36. Colorado 1. Grand Ans:1	o in U.S.A is famous for canyon 2. Grand (t Valleys	4. Great Basins	n v
Located in Ariz River and adjace deep, and up to	yon National Park zona, Grand Canyon Na ent uplands. The park is 29 km wide. Layered 7. Grand Canyon is uni	home to much of the d bands of colorful	e immense Gi rock reveal i	and Canyon 1.6 km nillions of years of	
37. Daily we 1. Tropo Ans:1	eather changes in the atm sphere 2. Mesos			4. Straosphere	
Note:					
Troposphere					
the ground to all more than 16 km because it conta thunderheads to pressure and low systems lead	e is the lowest atmosph bout 10 km (6 miles) his m (10 miles) at the Equ ins almost all of the atm b high-altitude cirrus, for w-pressure systems, are to daily weather c ems, such as El Nino.	gh, ranging from ab lator. Almost all we hosphere's water vap form in the troposple moved by winds i	out 6 km (4 m ather develops oor. Clouds, fr here. Air mas n the troposph	hiles) at the poles to s in the troposphere om low-lying fog to sees, areas of high- nere. These weather	

Stratosphere

The stratosphere extends from the tropopause, the upper boundary of the troposphere, to about 50 km (32 miles) above the Earth's surface. Strong horizontal winds blow in the stratosphere, but there is little turbulence. This is ideal for planes that can fly in this part of the atmosphere.

The stratosphere is very dry and clouds are rare. Those that do form are thin and wispy. They are called nacreous clouds. Sometimes they are called mother-of-pearl clouds because their colors look like those inside a mollusk shell.



The stratosphere is crucial to life on Earth because it contains small amounts of ozone, a form of oxygen that prevents harmful UV rays from reaching Earth. The region within the stratosphere where this thin shell of ozone is found is called the ozone layer. The stratosphere's ozone layer is uneven, and thinner near the poles. The amount of ozone in the Earth's atmosphere is declining steadily. Scientists have linked use of chemicals such as chlorofluorocarbons (CFCs) to ozone depletion.



Mesosphere

The mesosphere extends from the stratopause (the upper boundary of the stratosphere) to about 85 km(53 miles) above the surface of the Earth. Here, temperatures again begin to fall.

The mesosphere has the coldest temperatures in the atmosphere, dipping as low as -120° C (- 184° F or 153 K). The mesosphere also has the atmosphere's highest clouds. In clear weather, you can sometimes see them as silvery wisps immediately after sunset. They are called noctilucent clouds, or night-shining clouds. The mesosphere is so cold that noctilucent clouds are actually frozen water vapor—ice clouds.

Shooting stars—the fiery burnout of meteors, dust, and rocks from outer space—are visible in the mesosphere.

Ionosphere

The ionosphere extends from the top half of the mesosphere all the way to the exosphere. This atmospheric layer conducts electricity.

The ionosphere is named for ions created by energetic particles from sunlight and outer space. Ions are atoms in which the number of electrons does not equal the number of protons, giving the atom a positive (fewer electrons than protons) or negative (more electrons than protons) charge. Ions are created as powerful X-rays and UV rays knock electrons off atoms.

The ionosphere—a layer of free electrons and ions—reflects radio waves. Guglielmo Marconi, the "Father of Wireless," helped prove this in 1901 when he sent a radio signal from Cornwall, England, to St. John's, Newfoundland, Canada. Marconi's experiment demonstrated that radio signals did not travel in a straight line, but bounced off an atmospheric layer—the ionosphere.

The ionosphere is broken into distinct layers, called the D, E, F1, and F2 layers. Like all other parts of the atmosphere, these layers vary with season and latitude. Changes in the ionosphere actually happen on a daily basis. The low D layer, which absorbs high-frequency radio waves, and the E layer actually disappear at night, which means radio waves can reach higher

into the ionosphere. That's why AM radio stations can extend their range by hundreds of kilometers every night.

The ionosphere also reflects particles from solar wind, the stream of highly charged particles ejected by the sun. These electrical displays create auroras (light displays) called the Northern and Southern Lights.



Thermosphere

The thermosphere is the thickest layer in the atmosphere. Only the lightest gases—mostly oxygen, helium, and hydrogen are found here.

The thermosphere extends from the mesopause (the upper boundary of the mesosphere) to 690 km(429 miles) above the surface of the Earth. Here, thinly scattered molecules of gas absorb x-rays and ultraviolet radiation. This absorption process propels the molecules in the thermosphere to great speeds and high temperatures. Temperatures in the thermosphere can rise to $1,500^{\circ}\text{C}(2,732^{\circ}\text{F or }1,773\text{K})$.

Exosphere

The fluctuating area between the thermosphere and the exosphere is called the turbopause. The lowest level of the exosphere is called the exobase. At the upper boundary of the exosphere, the ionosphere merges with interplanetary space, or the space between planets.

The exosphere expands and contracts as it comes into contact with solar storms. In solar storms particles are flung through space from explosive events on the sun, such as solar flares and coronal mass ejections (CMEs).

Hydrogen, the lightest element in the universe, dominates the thin atmosphere of the exosphere. Only trace amounts of helium, carbon dioxide, oxygen, and other gases are present.

Many weather satellites orbit Earth in the exosphere. The lower part of the exosphere includes low-Earth orbit, while medium-Earth orbit is higher in the atmosphere.

The upper boundary of the exosphere is visible in satellite images of Earth. Called the geocorona, it is the fuzzy blue illumination that circles the Earth.



Extraterrestrial Atmospheres

All the planets in our solar system have atmospheres. Most of these atmospheres are radically different from Earth's, although they contain many of the same elements.

The solar system has two major types of planets: terrestrial planets (Mercury, Venus, Earth, and Mars) and gas giants (Jupiter, Saturn, Uranus, and Neptune).

Upn

The atmospheres of the terrestrial planets are somewhat similar to Earth's. Mercury's atmosphere contains only a thin exosphere dominated by hydrogen, helium, and oxygen. Venus' atmosphere is much thicker than Earth's, preventing a clear view of the planet. Its atmosphere is dominated by carbon dioxide, and features swirling clouds of sulfuric acid. The atmosphere on Mars is also dominated by carbon dioxide, although unlike Venus, it is quite thin.

Gas giants are composed of gases. Their atmospheres are almost entirely hydrogen and helium. The presence of methane in the atmospheres of Uranus and Neptune give the planets their bright blue color.

https://www.nationalgeographic.org/encyclopedia/atmosphere/#:~:text=Air%20masses%2C%20areas%20of%20high,troposphere%20thins%20as%20altitude%20increases.

38.	Epigrapy means	
	1. The strudy of coins	2. The study of inscriptions
	3. The study of epics	4. The study of geography
	Ans:2	
39.	The 19 th Century reawakening in f	ndia was confined to the
	1. Priestly class	2. Upper middle class
	3. Rich peasantry	4. Urban Landlords
	Ans:2	
40.	Who was the first Indian to be elect	ed to the British Parliament?
	1.DadabhaiNaoroji	2.Gopala Krishna Gokhale
	3. Bipin Chandra Pal	4. LalaLajputRai
	Ans:1	
Note:	Naoroji moved to Britain once again	n and continued his political invo
f 1	L'ILLE TELLE Control	4 4 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Note: Naoroji moved to Britain once again and continued his political involvement. Elected for the Liberal Party in Finsbury Central at the 1892 general election, he was the first British Indian MP

	41. Who introduced the permanent settlement in Bengal?						
5	T. Lord Cornwallis	2. Lord Dalhousie					
	3. William Bentinck	4. Lord Curzon					
	Ans.1						

Note: The Permanent Settlement of Bengal was brought into effect by the East India Company headed by the Governor-General Lord Cornwallis in 1793. This was basically an agreement between the company and the Zamindars to fix the land revenue. First enacted in

Bengal, Bihar and Odisha, this was later followed in northern Madras Presidency and the district of Varanasi. Which one of the following metals is used to galvanise iron? 42. 4. Nickel 1. Copper 2. Lead 3. Zinc Ans:3 Note: Galvanizing- Galvanization or galvanizing is the process of applying a protective zinc coating to steel or iron, to prevent rusting. The most common method is hot-dip galvanizing, in which the parts to coated are submerged in a bath of molten hot zinc. Anodizing is an electrochemical process that converts the metal surface into a decorative, durable, corrosion-resistant, anodic oxide finish. Aluminum is ideally suited to anodizing, although other nonferrous metals, such as magnesium and titanium, also can be **anodized** Instrument used to measure the force and velocity of the 43. 1. Ammeter 2. Anemometer 3. Altimeter 4. Audiometer Ans:2 Note: An anemometer is a device used for measuring wind speed and direction. It is also a common weather station instrument. To whom can a case dispute in the election of the president of India be refereed to? 44. 1. Election commission arliament 3. Supreme Court of India abinet Ans:3 Which company invented the transistor radio? 45. 1. Sony 3. Panasonic 4. Telestra Grundig Ans:1 Note: The transistor was successfully demonstrated on December 23, 1947 at Bell Laboratories in Murray Hill, New Jersey. The three individuals credited with the invention of the transistor were William Shockley, John Bardeen and Walter Brattain. A transistor radio is a small portable radio receiver that uses transistor-based circuitry, which revolutionized the field of consumer electronics by introducing small but powerful, convenient hand-held devices. Following the invention of the transistor the first commercial transistor radio, the Regency TR-1, was released in 1954. 46. Where is Indian Institute of petroleum located? 1. Vishakapatnam 2. Delhi 3. Dehradun 4. Chennai Ans:3

Where is Indian Institute of Science located?1. Vishakapatnam2. Delhi3. Bangalore4. ChennaiAns:3

	48.	Hay fever is a sigr	n of			
		1. Malnutrition	2. Allergy	3. Old age	4. Overwork	
		Ans:2		C		
	Note:	Allergic rhinitis , al	lso known as hav f	ever, is a type of inflam	nation in the nose which	
					ir. Signs and symptoms	
				-	and swelling around the	
	eyes	<i>. . .</i>				
	49.	The branch of ag	riculture which dea	als with the feeding, she	lter, health and breeding	
		-	mals is called	6,	,	
		1. Dairy science		2. Veterinary Science		
		3. Poultry		4. Animal Husbandry		
		Ans:4			<u>,0</u> ,	
	50.	Which foreign co	untry is closest to A	Andaman islands?		
		1. Sri Lanka	2. Myanamar		4. Pakistan	
		Ans:2	-			
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