

MPT-Session-

2026/Day-3/General Science:

TOP-MCQs:

- 1- Largest planet in our solar system= Jupiter
- 2- What is the Earth's atmosphere composed of?= Mostly Nitrogen
- 3- What is the process by which water moves through plants= Transpiration
- 4- What is the term for the movement of water from the ground to the atmosphere= Evaporation.
- 5- What is the largest desert?= Sahara desert
- 6- What is longest mountain range in the world?= Mid-Ocean Ridge
- 7- What is the primary source of energy for the earth?= Sun/Solar Energy.
- 8- What is the most abundant mineral on Earth?= Quartz
- 9- What is term for the variety of life/living organisms/species= Bio-Diversity
- 10- What is largest ecosystem on Earth?= Ocean
- 11- What is the primary cause of climate change?= Combustion of fossil fuels.
- 12- What is the term for the movement of people from rural areas to the urban areas= Urbanization
- 13- What is the Earth's water cycle also called as= hydrological cycle
- 14- What percentage of the Earth's surface is water= 70%
- 15- What is the primary cause of Tuberculosis= Bacteria
- 16- Which disease is caused by the Plasmodium parasite= Malaria
- 17- What is the primary risk factor for cardiovascular disease= High BP/High cholesterol/Smoking
- 18- Which type of cancer is most commonly diagnosed in the women = Breast Cancer
- 19- Which genetic disorder affects the production of hemoglobin= Sickle cell Anemia
- 20- What is most common cause of Dementia?= Alzheimer's disease
- 21- Which neurological disorder is characterized by tremors & rigidity= Parkinson's disease
- 22- What is the term for a disease that can be spread from person to person=
Infectious/Contagious/Communicable
- 23- Which disease is caused by a viral infection that attacks the immune system?= HIV/AIDS
- 24- What is an enzyme? Globular protein/Biological catalyst..

- 25- What is the role of enzymes in biochemical reactions= Catalyst
- 26- What is enzyme specificity? = The ability of an enzyme to recognize & bind to a specific substrate
- 27- Lock & Key Model was proposed by= Emile Fischer
- 28- Induced fit model was proposed by? Daniel Koshland
- 29- What is competitive inhibition?= When the inhibitor binds to the active site of the enzymes.
- 30- What is non-competitive inhibition?= When the inhibitor binds to a region outside the active site.
- 31- what is enzyme denaturation? A change in the enzyme's native conformation
- 32- what is role of co-enzymes? To provide a chemical group that participates in the reaction.
- 33- What is the primary function of digestive system? Breakdown of food
- 34- Which part is mainly responsible for mechanical digestion= Mouth/Oral cavity
- 35- What is the function of saliva? water- moistening of food/ sodium bicarbonate-antiseptic/ amylase- breakdown of carbohydrates/starch into maltose
- 36- What is the muscular tube which carries food from mouth to stomach= Esophagus
- 37- Voice box= Larynx
- 38- What is the primary function of stomach?= Mixing of food with digestive enzymes
- 39- Churning takes place in? In the stomach..
- 40- Which organ produces bile to aid in fat digestion= Liver..
- 41- What is term used for the movement of food from mouth to stomach= Peristalsis
- 42- Which enzyme breaks down proteins in the stomach= Pepsin
- 43- What is the primary function liver= filtration of blood/detoxification/bile production
- 44- Which cells in the liver are responsible for detoxification?= Hepatocytes
- 45- What is most common cause of liver cirrhosis?= Alcohol consumption
- 46- Inflammation of liver= Hepatitis
- 47- How does the liver regulate the blood sugar level?= By storing glycogen
- 48- How does the liver contribute to the protein synthesis?= By synthesizing albumin
- 49- What is liver fibrosis?= Scarring of liver
- 50- Which liver function test measures the level of liver enzymes in the blood=ALT, AST, ALP
- 51- what is bio-fuel? A type of renewable energy
- 52- What is the benefit of Biofuels? Less expensive/env.friendly/organic waste production

- 53- What is ethanol? Type of a bio-ethanol
- 54- Production of bio-diesel= Oil rich sources/ fat, soybeans etc
- 55- What is the process of converting biomass into biofuel?= Trans-esterification/Fermentation/Gasification
- 56- What is the primary use of biofuels? Vehicle.
- 57- Which planet is closest to the sun= Mercury
- 58- What is the primary character which distinguishes the planets from dwarf planets?= Size
- 59- Which planet has most moons= Jupiter
- 60- What are asteroids? Small rocky objects that orbit the sun.
- 61- What are the comets? Small icy objects that orbit the sun.
- 62- What is the Kuiper Belt? A region of ice bodies beyond Neptune
- 63- What is earthquake? Sudden release of energy in the earth's crust.
- 64- What is the primary cause of earthquakes? Movement of tectonic plates.
- 65- What is the Rickets scale used to measure?= Earthquake magnitude
- 66- What is Vaccine? A medication to prevent infections
- 67- How do vaccines work? By stimulating the immune system.
- 68- What is in-activated vaccine? A vaccine that contains killed or in-activated pathogens.
- 69- What is live attenuated vaccine? A vaccine that contains live, weakened pathogens
- 70- what is the benefit of vaccination? Reduction in the risk infections / Reduction in transmission
- 71- What is the potential risk associated with the vaccination? Allergic reactions/Vaccine induced infections
- 72- What is process of vaccine development= research, testing, licencing, manufacturing, distribution, administrations, surveillance, monitoring, evaluation
- 73- What are the food additives? Substances- adding them in the food/flavour/preserve/coloring/fragrance/attractive
- 74- What is food preservative? n A substance that prevents the food spoilage
- 75- What is a colorant? A substance that adds color.
- 76- What is antibiotic? A medication that treats the bacterial infections.
- 77- How do antibiotics works? By killing bacteria/By inhibiting the bacterial growth
- 78- What is a broad spectrum anti-biotic? An antibiotic that targets wide range of bacteria

- 79- What is narrow spectrum antibiotics? An antibiotic that targets specific type of bacteria
- 80- What is antibiotic resistance? When bacteria become resistant to antibiotics.
- 81- What is antibiotic stewardship? The responsible use of antibiotics to promote effective treatment & prevent resistance
- 82- What is the largest continent in the world? Asia
- 83- Which ocean is the largest? Pacific Ocean
- 84- What is the capital France? Paris
- 85- Which country is the largest in Scandinavia? Sweden
- 86- what is the highest mountain peak in the world? Mount Everest
- 87- Which river is the longest in South America? Amazon River
- 88- Which forest is the largest in the world? Amazon Rainforest
- 89- What is glacier? A river of ice
- 90- How are glaciers are formed? By snowfall & compaction
- 91- What is a valley glacier? A glacier that forms in a mountain valley
- 92- What is continental glacier? A glacier that covers a large area of land.
- 93- What is glacier calving? The process of ice breaking off a glaciers
- 94- What is glacier creep? The slow movement of ice under its own weight.
- 95- What is the role of glaciers in the earth's climate system? = Glaciers helps in the regulation of earth's temperature.
- 96- What is difference in b/w the glacier & ice sheet? A glacier is smaller in size as compared to the ice sheet
- 97- Pakistani glaciers; Gangotri glacier/Siachen Glacier/ Baltoro glacier= Himalayan glacier
- 98- Where the pituitary gland locates? Hypothalamus (Brain)
- 99- What hormone the posterior lobe of pituitary gland releases?= Anti-diuretic hormone & Vasopressin
- 100- What is acromegaly? A condition caused by excess growth hormone production.
- 101- Where does the kidneys located? In the abdominal cavity
- 102- What is chronic kidney disease?(CKD) = A condition characterized by gradual kidney damage