

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 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 con 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 Ficher

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 confirmation

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 therm 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 regulates the blood sugar level?= By storing glycogen

48- How does the liver contributes 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 he 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/fragnance/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 glacier

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/Siachin 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