

Test Booklet Code: 707

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Total Ques: 100

- 1 D
Ex. Ozone layer, which absorbs the ultraviolet radiation, is found in stratosphere. This layer is above height. Due to absorption of ultraviolet rays by this layer, temperature increases with height in stratosphere.
- 2 C
Ex. Radon is not present in the air. Helium, Neon, Argon, Krypton, Xenon and Radon are known as noble gases or inert gases and Radon is a naturally occurring radioactive gas that can cause lung cancer from the decay of uranium and radium.
- 3 A
Ex. Atmosphere is a dynamic mixture of gases that constantly move and change. Nitrogen and oxygen make up to nearly 99% of the dry and clean atmosphere. Nitrogen accounts for 78% and oxygen accounts for 21% and argon, carbon dioxide, neon, helium, krypton and hydrogen together account for the rest 1% of the gases of the atmosphere.
- 4 B
Ex. Statement (b) is not correct regarding the primary waves of earthquakes because primary waves can move through solid, liquid and gas. P-waves velocity in earthquakes is in the range of 5 to 8 km/s. These waves are like sound waves, they can move in all media (solid, liquid and gas).
- 5 B
Ex. The epicentre is that place on the surface of the Earth where the vibrations from a particular earthquake reach first. Epicentre is the place on Earth's surface which records the seismic waves first because it is located directly above the focus or hypocenter (point of origin of seismic waves).
- 6 C
Ex. Statement (c) is correct about the structure of the core of the interior of the Earth.
The core of the interior of the Earth is made up of nickel (Ni) and iron (Fe). It is the deepest layer of the Earth. It is further divided into outer and inner core. Outer core is in liquid state and inner core is in solid state. The core is made up of very heavy material mostly constituted by nickel and iron. It is sometimes referred to as the nife layer.
- 7 C
Ex. In the interior of the Earth, the temperature rises with increasing depth. Temperature and pressure progressively increase with increased proximity to Earth's core i.e., as we go deeper inside the Earth both temperature and pressure increase.
Structure of Earth's interior is fundamentally divided into three layers - crust, mantle and core.
Crust is the outermost solid part of the Earth generally (8-40 km) thick. Mantle is beyond the crust (about 2900 km thick) and core is the innermost layer surrounding the Earth's centre.

- 8 B
Ex. In 1220 AD, Abbasid Caliph Al-Nasir sent his Indian-born ambassador Radi al-Din Abu'l-Fada'il al-Hasan bin Muhammad al-Saghani to Delhi. The Caliph's recognition was a mere formality, but Iltutmish celebrated it in a big way by decorating the city of Delhi and honouring his nobles, officers and slaves. The 14th century Moroccan traveler Ibn Battuta describes himself as the first independent ruler of Delhi. Iltutmish was the only ruler of India to have the Caliph's recognition. After the Caliph's recognition, Iltutmish began inscribing the Caliph's name on his coins, including the new silver tanka introduced by him.
- 9 B
Ex. Iltutmish was the first Sultan of Delhi who introduced regular coins and declared Delhi the capital of his empire. Iltutmish organized the administration of the Sultanate, laying the foundation for its dominance over Northern India until the Mughal invasion. He introduced the silver tanka and the copper jital - the two basic coins of the Sultanate period, with a standard weight of 175 grains.
- 10 D
Ex. Iltutmish was called 'a slave of a slave'. He was sold into slavery as a young boy where he spent his early life in Bukhara and Ghazni under multiple masters. In the late 1190s, the Ghurid slave-commander Qutb-ud-din Aibak purchased him in Delhi, thus making him the slave of a slave.
- 11 C
Ex. Atharvaveda is a collection of spells, prayers, charms and hymns.
Atharvaveda is the 4th Veda which is related to medicines and Ayurveda. The Atharvaveda is the knowledge storehouse of 'Atharvanas', the procedures for everyday life. It is a collection of 730 hymns and spells.
- 12 A
Ex. The first reference to the term 'Varna' is found in Rigveda. Varna is a Sanskrit word which means type, order, colour or class. It was first found in Rigveda, in its Purusha Sukta hymn. This term refers to the social classes in Brahminical books. The duties and functions of the four Varanas are elaborated on the Dharmashastra literature of the later times and the concept of untouchability was put clearly.
The four varnas or social groups are Brahmins, Kshatriyas, Vaishyas, Shudras.
- 13 A
Ex. The famous 'Battle of the Ten Kings' as described in the Rigveda was fought on the bank of Parushni. 'Battle of Ten Kings' was the major event in the Rigveda and the hero of this war was King Sudas of North Panchal Kingdom, the ancestor of Draupadi. The reason behind the war was the rivalry between Vishwamitra and Vasishtha.
- 14 C
Ex. The great Bath was found in Mohenjodaro. It is called the earliest public water tank of the ancient world. It measures approximately 12 metres by 7 metres, maximum depth of 2.4 metres. Two wide stairs, one from the North and one from the South, served as the entry to the structure.

- 66** D
Ex. • Cells divide and reproduce in two ways, mitosis and meiosis.
 • Mitosis results in two identical daughter cells which are diploid.
 • Meiosis-1 results in 2 sex cells which are haploid
 • There 2 haploid cells undergo meiosis-2 which results in 4 haploid sex cells.
- 67** A
Ex. • Phylum Platyhelminthes has flame cells as excretory organs
 • Phylum Arthropoda has Malpighian tubules as excretory organs
 • Phylum Annelida has Nephridia as excretory organs which is the correct pair matching.
- 68** B
Ex. • Lysosomes are organelles that digest macromolecules, repair cell membranes, and respond to foreign substances entering the cell.
 • A lysosome has three main functions: the breakdown/digestion of macromolecules (carbohydrates, lipids, proteins, and nucleic acids), cell membrane repairs, and responses against foreign substances such as bacteria, viruses and other antigens.
 • When lysosomes burst, the digestive enzymes released start digesting its own cells.
 • That is why they are known as suicidal bags.
- 69** A
Ex. • The plant cell wall is composed of cellulose.
 • Cellulose is a structural carbohydrate and is considered a complex sugar because it is used in both protection and structure.
 • The plant cell wall consists of three layers. Each layer has its own unique structure and function.
- 70** B
Ex.
- 71** C
Ex. Only Statement [A] is correct. First Amendment is not related with 1935 Act. it is related with amendment of Articles 15, 19, 85, 87 etc.
- 72** A
Ex.
- 73** D
Ex. All options are correct
- 74** B
Ex.
- 75** D
Ex. All explanations are related to the Constitution of China.
- 76** A
Ex. All options are part of the Gujral Doctrine which covers 5-points.
- 77** D
Ex. All points are related to the initiatives of new Govt. in foreign policy.
- 78** A
Ex. Both are correct explanations.
- 79** C
Ex. All option the objectives of NITI Aayog.

- 80** D
Ex. Activities can be divided into 4 major heads that is why all are true.
- 81** A
Ex.
- 82** C
Ex. This speech was given by Dr. B. R. Ambedkar in the 25-11-1949 Constituent Assembly.
- 83** D
Ex.
- 84** D
Ex. All options are the features of Indian Federalism
- 85** B
Ex. Statement is related with constitutionalism definition. Reason is related with the definition of Constitution.
- 86** C
Ex.
- 87** A
Ex.
- 88** B
Ex.
- 89** A
Ex.
- 90** D
Ex.
- 91** B
Ex.
- 92** C
Ex.
- 93** B
Ex.
- 94** D
Ex.
- 95** D
Ex.
- 96** A
Ex.
- 97** C
Ex.
- 98** A
Ex.
- 99** D
Ex.
- 100** B
Ex.