С 93

Ex. The Kerala State Aids Control Society (KSACS) announced to reserve a government job for HIV positive candidates. A vacancy has been reserved in the office of KSACS for HIV positive candidates for the post of coordinator. The reason behind is that the presence of such a person will improve coordination and communication with groups at risk and ensure effective prevention.

### 94

С

**Ex.** India successfully conducted its first anti-satellite (ASAT) missile test on 27 March, 2019 destroying low earth orbit satellite in space by using a missile that covered a distance of 300 km to engage the target. Let us tell you that India became the fourth country to acquire such type of modern capability. The codename of ASAT is Mission Shakti.

## 95

А

**Ex.** Cas9 protein has been in news for its property of being molecular scissors used in targeted gene editing. It is also known as CRISPR associated protein 9. It is heavily utilised in genetic engineering application's. It's main function is to cut DNA. So it can alter cells genome. It plays an important role in the immunological defense of certain bacteria against DNA viruses.

# 96

А

#### Ex.

- В 97
- **Ex.** Augmented Reality is a technology where the objects that reside in the real world are enhanced by computergenerated perceptual information. It allows individuals to be present in the world and improves the experience using the camera of smartphone or PC. Virtual reality is the use of computer technology to craete a simulated environment. It immeres the user by making them feel like they are experiencing simulated reality. It replaces the user's real world environment with a simulated one. Its applications include entertainment and educational purposes.

## 98

Α

**Ex.** Carbofuran, methyl parathion, phorate and triazophos chemicals are used as pesticides in India to control insects in a wide variety of field crops. Carbofuran is one of the most toxic carbamate (drived from carbamic acid) pesticides. Parathion or methyl parathion has been banned in various countries due to its high toxicity to humans. Triazophos is a chemically toxic insecticide which could lead to headaches, blurred vision, dizziness etc., in humans. Phorate is also a highly toxic chemical compound, used as an insecticide. D

99

**Ex.** Burning biomass emits large amounts of pollutants like burning other solid fuels such as coal. Burning organic material emits Particulate Matter (PM), Nitrogen Oxide (NO<sub>x</sub>), Carbon Monoxide (CO), Sulphur Dioxide (SO<sub>2</sub>), Lead (Pb) Mercury and hazardous air pollutants.

100 B

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