

1. Refusal to work in essential services is prohibited under which act?

- A) Essential Services Maintenance Act ☒
- B) Disaster Management Act
- C) Epidemic Diseases Act
- D) Pandemic Conditions Act

ESMA

- ✓ The Essential Services Maintenance Act (ESMA) was enacted in 1968, to maintain certain essential services and the normal life of the community. The Act includes a list of essential services in its charter. After the rapid increase in Covid-19 cases, the Chhattisgarh Government has invoked the Essential Services Maintenance Act (ESMA).
- ✓ The refusal to work in essential services has been prohibited. It includes health workers, sanitation workers, workers in water and power supply services etc.

2. Which institution launched an expert panel called "IP Guru"?

- A) MEITY
- B) NITI Aayog
- C) NIXI ☒
- D) NASSCOM

nixi

- ✓ The National Internet Exchange of India (NIXI), announced some new initiatives to raise awareness of the IPv6 protocol in India. The Department of Telecom (DoT) had, in February last year, mandated all government organizations to transition to IPv6 by March 2020.
- ✓ NIXI launched an expert panel called IP Guru to support transition to IPv6 systems. NIXI is also creating an education platform for IPv6, called NIXI Academy and a NISI IP-Index.

3. The Benin Bronzes, which was seen in the news recently, were found in which country?

- A) South Africa
- B) Nigeria ☒
- C) Greece
- D) Egypt



- ✓ The Benin Bronzes are a group of over a thousand metal plaques and sculptures located in the royal palace of the Kingdom of Benin. The Benin city is situated in modern-day southern Nigeria. It was famous for its skilled artisans that produced works of huge historic and cultural importance.
- ✓ In 1897, the British soldiers plundered Benin City, stealing a set of metal sculptures. Recently, UK accepted that the objects will be supplied by their current European custodians, initially on loan for three years.

4. INS Nireekshak, which was making news recently, is classified under which type of vessel?

- A) Submarine
- B) Diving Support Vehicle ☒
- C) Offshore Patrol Vehicle
- D) Destroyer



- ✓ The Indian Navy deployed its specialised diving support, INS Nireekshak for the search and rescue of the missing fishermen, off the Mangalore coast. Recently, nine fishermen of a Kerala-registered mechanised fishing boat went missing.
- ✓ On account of this issue, the Indian Navy is carrying out deep-sea diving operations using specialised equipment and naval divers.

5. Which company has delivered the first lot of light bulletproof vehicles to the Indian Air Force, in collaboration with Lockheed Martin?

- A) BEL
- B) DRDO
- C) Ashok Leyland ☒
- D) TATA Motors



- ✓ Ashok Leyland, which is a flagship firm of the Hinduja group, has delivered the first lot of light bulletproof vehicles to the Indian Air Force. These vehicles have been designed and developed in collaboration with Lockheed Martin, which is a US based aerospace and defence technology company.

6. What is "MK-4482", which was seen in the news recently?

- A) Missile Launcher
- B) Antiviral Drug ☒
- C) Submarine
- D) Unmanned Aerial Vehicle



- ✓ As per a recent study, MK-4482, an experimental antiviral drug, is said to have decreased levels of virus in the lungs of hamsters treated for SARS-CoV-2 infection.
- ✓ The scientists from the US National Institutes of Health published the study in the journal Nature Communications. MK-4482 is now in human clinical trials, and is delivered orally. These data suggest that MK-4482 treatment could mitigate high-risk exposures to the corona virus.

7. 'Climate Vulnerability Assessment for Adaptation Planning in India' Report is set to be released by which department?

- A) Department of Environment
- B) Department of Science and Technology ☒
- C) Department of Atomic Energy
- D) Department of Space



- ✓ A report titled "Climate Vulnerability Assessment for Adaptation Planning in India" is set to be released by the Department of Science and Technology (DST). The report gives a detailed national level assessment of climate change vulnerability of states and districts all over India. The compilation of data pertaining to the report was supported by the Swiss Agency for Development & Cooperation (SDC).

8. Which country has drafted 'Ecocide' bill to punish acts of environmental damage?

- A) Germany
- B) France ☒
- C) New Zealand
- D) Brazil



- ✓ The National Assembly of France has recently approved the creation of an "ecocide" offence, which seeks to punish acts of environmental damage. The bill will be applied to the most serious cases of environmental damage at national level, such as the pollution of a river. An offence of endangering the environment is punishable on the lines of endangering life.

9. Which is the first known species to be capable of both increasing and decreasing its brain size?

- A) Indian Jumping Ant ☒
- B) Lion Tailed Macaque
- C) Great Indian Bustard
- D) Olive Ridley Turtle



- ✓ Scientists have recently found that the Indian jumping ant can shrink its brain by nearly 20 percent to prepare its body for reproduction. As per the study, the ant can again increase its brain size over the following weeks. The Indian jumping ant is the first insect known to be capable of both increasing and decreasing its brain size.
- ✓ There are other insects including the honey bee which can increase their brain size.

10. Which institution developed the world's first affordable and long-lasting hygiene product named "DuroKea Series"?

- A) IISc Bangalore
- B) IIT Hyderabad ☒
- C) IIT Madras
- D) NIT Warangal



- ✓ Union Minister of Education Ramesh Pokhriyal 'Nishank' virtually launched world's first affordable and long-lasting hygiene product in the name of "DuroKea Series". The hygiene product has been launched by IIT Hyderabad researchers. This innovative and long-lasting technologies was developed to combat COVID-19 virus spreading.