

Que-1 What is the Hermit spyware?

1- Hermit is a commercial spyware that is known to be used by governments with victims in Kazakhstan, Italy and northern Syria.

2- Once installed on a device, it can record audio on the device, carry out unauthorised calls, and carry out many unauthorised activities.

3- Once Hermit has been deployed to a phone, it can control and track data from all key applications.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-2 With reference to Advanced Light Helicopter (ALH) MK III squadron, consider the following statements

1- The ALH MK III helicopters have been indigenously manufactured by Defence Research and Development Organisation (DRDO).

2- Its features enable them to undertake maritime reconnaissance and carry out search and rescue at extended ranges even while operating from ships, both by day and night.

3- The aircraft has the ability to switch roles from being an offensive platform with

heavy machine gun to that of one carrying a medical intensive care unit to facilitate transfer of critically ill patient.

Which of the following given above is/are correct

- a) 1 and 2 only b) 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-3 With reference to Pay Roll Automation for Disbursement of Monthly Allowances (PADMA), recently launched, consider the following statements

1- An automated Pay & Allowances module for all Central government employees..

2- This module has been developed under the aegis of Defense Accounts Department and will be operated by Pay Accounts Office Coast Guard, Noida.

Which of the following given above is/are correct

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2

Que-4 What is Partners in the Blue Pacific (PBP) initiative?

1- The PBP is a six-nation “informal mechanism” to support Pacific islands and to boost diplomatic, economic ties in the region.

2- It simply means that through the PBP, these countries — together and individually — will direct more resources here to counter China’s aggressive outreach.

3- Launch by US and its allies — Canada, Australia, New Zealand, Japan and the United Kingdom.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 only

Que-5 With reference to Mahatma Gandhi National Rural Employment Guarantee Scheme (MG-NREGS), consider the following statements

1- Under NREGS, every rural household, whose adult members volunteer to do unskilled manual work, is entitled to get at least 100 days of wage employment in a financial year.

2- Individual beneficiary oriented works can be taken up on the cards of Scheduled Castes and Scheduled Tribes, small or marginal farmers or beneficiaries of land

reforms or beneficiaries under the Indira Awaas Yojana of the Government of India.

3- Within a month of submitting the application or from the day work is demanded, wage employment will be provided to the applicant.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only
c) 1, 2 and 3 d) 2 and 3 only

Que-6 With reference to ‘Living Lands Charter’, recently in News, consider the following statements

1- All 54 Commonwealth members have agreed to voluntarily dedicate a ‘living land’ in their respective countries to future generations, in line with the strategy set for the United Nations Decade on Ecosystem Restoration.

2- The non-binding ‘Living Lands Charter’ mandates that member countries will safeguard global land resources and arrest land degradation while acting against climate change, biodiversity loss and towards sustainable management.

3- The Living Lands Charter helps to encapsulate the combined effort to hold the global average temperature increase to 1.5 degrees Celsius.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-7 Consider the following statements about Lithium

1- Lithium is a non-metallic mineral in very high demand by manufacturing industries.

2- By 2030, batteries are expected to account for 95 per cent of Lithium demand.

3- Lithium and most lithium minerals are mined along with other high-value metallic minerals such as tin, niobium-tantalum (columbite-tantalite) and uranium (in pyrochlore).

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-8 Consider the following statements about Lithium Batteries

1- Lithium-cobalt oxide battery is used in consumer electronics and is finding application in electric vehicles and is relatively cheap.

2- Lithium-nickel-manganese-cobalt is a newer, higher performing range of battery chemistry and is mainly developed for the electronic vehicle market but is finding a

wider use because of its increasing cost effectiveness.

3- Lithium iron phosphate, the safest technology with relatively high performance but relatively expensive and is very popular in China but is likely to become overtaken by Lithium-nickel-manganese-cobalt over the longer term.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

ANSWER

1- (c)

2- (d)

- The ALH MK III helicopters have been indigenously manufactured by Hindustan Aeronautics Limited (HAL).
- They feature state-of-the-art equipment including advanced RADAR as well as Electro optical sensors, Shakti engines, full glass cockpit, high-intensity searchlight, advanced communication systems, automatic identification system as well as SAR homer
- As many as 13 ALH MK III aircrafts have been inducted in the ICG in a phased manner, and four of these are positioned at Porbandar.

- Commissioning of ALH MK III boosts Coast Guards' self-reliance in the field of SAR and maritime surveillance, in line with the government's vision of Atmanirbhar Bharat.

3- (b)

- An automated Pay & Allowances module for the Indian Coast Guard.
- The launch marked the beginning of the Centralized Pay System (CPS), the foundation of which is being laid down by the Defence Accounts Department Headquarters to provide one stop pay accounting solutions for all organisations under the Ministry.
- PADMA is an automated platform leveraging latest technology which will provide seamless and timely disbursement of Pay & Allowances to around 15,000 Indian Coast Guard personnel.

4- (d)

- The PBP is a five-nation "informal mechanism" to support Pacific islands and to boost diplomatic, economic ties in the region.
- Launch by US and its allies — Australia, New Zealand, Japan and the United Kingdom.
- Amid China's aggressive push to increase its Pacific sphere of influence,

the US and its allies — Australia, New Zealand, Japan and the United Kingdom — have launched a new initiative called 'Partners in the Blue Pacific' for "effective and efficient cooperation" with the region's small island nations.

- It speaks of enhancing "prosperity, resilience, and security" in the Pacific through closer cooperation. It simply means that through the PBP, these countries — together and individually — will direct more resources here to counter China's aggressive outreach.
- The initiative members have also declared that they will "elevate Pacific regionalism", and forge stronger ties with the Pacific Islands Forum.

5- (a)

- Within 15 days of submitting the application or from the day work is demanded, wage employment will be provided to the applicant.
- Right to get unemployment allowance in case employment is not provided within fifteen days of submitting the application or from the date when work is sought.
- Receipt of wages within fifteen days of work done.

- Variety of permissible works which can be taken up by the Gram Panchayaths.
 - MGNREGA focuses on the economic and social empowerment of women.
 - MGNREGA provides “Green” and “Decent” work.
 - Social Audit of MGNREGA works is mandatory, which lends to accountability and transparency.
 - MGNREGA works address the climate change vulnerability and protect the farmers from such risks and conserve natural resources.
 - The Gram Sabha is the principal forum for wage seekers to raise their voices and make demands. It is the Gram Sabha and the Gram Panchayat which approves the shelf of works under MGNREGA and fix their priority.
- 6- (c)
- It aimed to support member countries to effectively deliver their commitments under the three Rio conventions — UN Convention on Biological Diversity, UN Convention to Combat Desertification (UNCCD) and UN Framework Convention on Climate Change.
- 7- (d)
- Lithium is a metallic mineral in very high demand by manufacturing industries.
 - Seven years ago the bulk of demand for lithium was split between ceramics and glasses (35 per cent) and greases, metallurgical powders, polymers, and other industrial uses (over 35 per cent).
 - Three countries, Australia (40,000 tonnes), Chile (20,600 tonnes) and China (14,000 tonnes) mine about 86 per cent of the world’s lithium.
- 8- (c)
- Lithium-nickel-cobalt-aluminium oxide developed to reduce cobalt consumption and is known as a solid performer and of reasonable cost. It is also becoming popular outside China.
 - Lithium-ion batteries are used in mobile phones, computers, electronics, energy storage systems and electric vehicles. The forecast is that they will dominate the lithium market over the next decades.
 - Greenbushes mine in Western Australia is the largest hard-rock lithium mine in the world. Tantalum is also mined there.
 - Due to the growing interest in clean energy, the demand for lithium has skyrocketed as most countries draw

plans to phase out fossil fuel vehicles and switch to zero emission electric vehicles.

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