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# **PRE-Mix**

*(Compilations of the Multiple Choice Questions)*

*For the 4th Week*

*Of*

# October

# 2020

*(26th October to 31st October)*

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# 1. Geography

Click [here](#) to watch the following questions on YouTube

1. On the basis of the statements given below, identify the pass?

1. It is a boundary pass between Tibet's Cona county and India's Tawang district in Arunachal Pradesh.
2. Recently a war memorial has been inaugurated at this pass.

Select the correct option

- A. Marpo la
- B. Zelep la
- C. Bum la
- D. Hpungan pass

Answer: C

Explanation



2. Which of the following statements regarding e-Dharti geo portal are correct?

1. It was launched by Ministry of Earth sciences.
2. The portal will make the maps and lease plans geographic information system (GIS)-enabled.

Select the correct code.

- A. 1 only
- B. 2 only
- C. Both 1 and 2

D. Neither 1 nor 2

**Answer: B**

3. Which of the following statement (s) is/ are correct regarding 'Caspian Sea'?

1. It lies to the west of the Caucasus Mountains.
2. It is located between Europe and Asia.
3. The Caspian Sea is the largest inland body of water

Select the correct code using the statements given above.

- A. 1 only
- B. 1 and 2
- C. 2 and 3
- D. 2 Only

**Answer: C**

**Explanation**



4. Which Indian states/UTs share border with Pakistan?

1. Himachal Pradesh
2. Haryana
3. Jammu and Kashmir
4. Gujarat
5. Punjab

Select the correct answer using the codes given

- A. 1, 2 and 5
- B. 1 and 2
- C. 1, 2 and 5
- D. 3, 4 and 5

**Answer: D**

**Explanation**



5. The lighter silicates, SIAL i.e. SILICA + ALUMINIUM are abundant in?

- A. Core
- B. Mantle
- C. Ocean floor
- D. Earth's Crust

**Answer: D**

## 2. History

Click [here](#) to watch the following questions on YouTube

1. Which of the following are correct about “The Indian Tourism Statistics”?

1. It was released by Ministry of Tourism.
2. According to the report Himachal Pradesh attracted the highest number of domestic tourists in the country.

Select the correct code.

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**Answer: A**

2. What is Oaxaca, recently heard in news?

- A. An indigenous cow of South Africa.
- B. A tribe from Amazon forest.
- C. A khadi collective.
- D. Geoglyph recently discovered in Marree.

**Answer: C**

3. Identify the fort based on the following statements?

1. It was originally known as Mankal, and built on a hilltop in the year 1143.
2. It was fortified between 14th and 17th centuries by the Bahmani Sultans and then by the Qutub Shahi dynasty.
3. The National Monuments Authority (NMA) is developing 54 row houses in the regulated zone of the 500-year-old Fort in the caveat that colour scheme should match with that of the monuments.

Select the correct code

- A. Golconda Fort
- B. Badami Fort
- C. Warangal Fort
- D. Anjengo Fort

**Answer: A**

4. Which of the following statements are incorrect regarding PAKUR?

1. Pakur is dried medicinal root found in tribal areas.
2. It is gathered by Santhal Tribals and Vulnerable Pahadhiya tribes from Pakur, Jharkhand

Select the correct code

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**Answer: A**

5. The Trade Disputes Act of 1929 provided for?

- A. The participation of workers in the management of industries.
- B. Arbitrary powers to the management to quell industrial disputes.
- C. An intervention by the British Court in the event of a trade dispute.
- D. A system of tribunal and ban on strikes.

**Answer: D**

### 3. Polity

Click [here](#) to watch the following questions on YouTube

1. Which of the following statements are correct about Kisan Suryodaya Yojna?

1. Under the scheme, 16 hours of power supply shall be provided to farmers.
2. It was launched for the farmers of BIHAR.

Select the correct code

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Answer: A

2. Which of the following statements are correct regarding amended Jammu and Kashmir Panchayati Raj Act, 1989?

1. It provided the setting up of District Development Councils (DDC).
2. It was brought in by the Ministry of Parliamentary Affairs.
3. The term of the DDC will be five years.
4. The member of DDC will be appointed by the center.

Select the correct code.

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 2 and 4 only

Answer: C

3. Which of the following statements are correct about The National Company Law Appellate Tribunal (NCLAT)?

1. It was constituted under Companies Act, 2013.
2. The President of the Tribunal shall be appointed after consultation with the Chief Justice of India.
3. Term of office of chairperson and members is 5 years and they can be reappointed for additional 5 years.
4. It hears appeals against the orders of The Competition Commission of India (CCI).

Select the correct code



- A. 1, 2 and 3
- B. 2, 3 and 4
- C. 1, 3 and 4
- D. 1, 2, 3 and 4

**Answer: D**

4. Which of the judgment pairs have been matched correctly?

- 1. Minerva mills case: Basic structure doctrine
- 2. L Chandra Kumar: Rights of backward classes
- 3. I.R. Coelho: 9th schedule of the constitution
- 4. Lily Thomas: Related to Hindu Marriage Act

Select the correct code

- A. 1, 2 and 3
- B. 2, 3 and 4
- C. 1, 3 and 4
- D. 1, 2, 3 and 4

**Answer: C**

5. Which of the following statements are incorrect in regard with Anemia Mukht Bharat Index?

- 1. It is an initiative of the Ministry of Health and Family Welfare and UNICEF.
- 2. Rajasthan has the best Anemia Mukht Bharat (AMB) Index among 29 states in the country.

Select the correct code

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**Answer: B**

## 4. Economy

Click [here](#) to watch the following questions on YouTube

1. Which of the following statements are correct regarding India's first seaplane project?

1. It will connect Sabarmati Riverfront in Ahmedabad to the Statue of Unity in Kevadia.
2. The water aerodrome is not a listed project/activity in the Schedule to the Environmental Impact Assessment Notification, 2006 and its amendments.

- A. 1 only  
B. 2 only  
C. Both 1 and 2  
D. Neither 1 nor 2

**Answer: C**

### Explanation

- India's first seaplane service in Gujarat is set to begin from 31 October, the anniversary of Sardar Vallabhbhai Patel.
  - It will connect Sabarmati Riverfront in Ahmedabad to the Statue of Unity in Kevadia.
  - The service will be operated by Spice jet Airlines.
  - Unlike a conventional aircraft, a seaplane can land both on a water body and on land, thereby opening up more opportunities for business and tourism.
  - Such projects provide faster and hassle free travel option for the long, treacherous and hilly regions of the country.
  - The water aerodrome is not a listed project/activity in the Schedule to the Environmental Impact Assessment Notification, 2006 and its amendments.
  - However, the Expert Appraisal Committee was of the opinion that the activities proposed under the water aerodrome project may have a similar type of impact as that of an airport.
  - In Narmada, the Shoolpaneshwar Wildlife Sanctuary is located at an approximate aerial distance of 2.1 km from the proposed project site.
  - Inland Waterways Authority of India (IWAI) will manage the Project of Seaplane in Inland Waterways and Sagarmala Development Company Limited (SDCL) will manage the Projects of seaplane in Coastal Areas.
2. Which of the following statements is/are correct about the new Consumer Price Index (Industrial Workers) CPI-IW?
1. In the new series, the Geometric mean based methodology is used for compilation of indices as against Arithmetic mean used earlier.
  2. The new base year for CPI-IW is 2018.

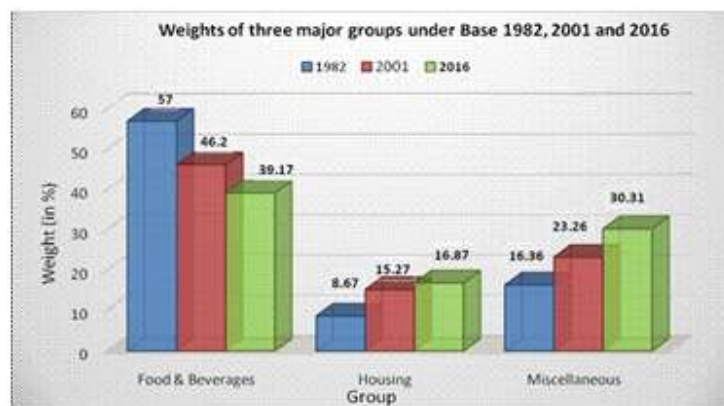
- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**Answer: A**

**Explanation**

(The new base year for CPI-IW is 2016).

- The labour ministry has recently revised the base year for consumer price index for industrial workers (CPI-IW) to 2016 from 2001.
- The retail inflation measured in terms of CPI-IW is the single most important price statistics with financial implications.
- The CPI-IW is primarily used to regulate the dearness allowance of government employees and the workers in the industrial sectors.
- It is also used in the fixation and revision of minimum wages in scheduled employments besides measuring the inflation in retail prices.
- It is estimated that the move will lead to "depression" in dearness allowance (DA) paid to workers.
- In the new series, as per the direction of Technical Advisory Committee (TAC) on Statistics of Prices and Cost of Living (SPCL), the Geometric mean based methodology (GM of Price Relatives) is used for compilation of indices as against Arithmetic mean used in 2001 series.



**3. Based on the following statements identify the type of bond?**

1. It is a promise to be liable for the debt, default, or failure of another.
2. It is a three-party contract by which one party guarantees the performance or obligations of a second party to a third party.
3. They provide financial guarantee that the contract will be completed according to pre-defined and mutual terms.

- A. General Obligation Bonds
- B. Surety Bonds

- C. Revenue Bonds
- D. Conduit Bonds

**Answer: B**

**Explanation**

- A surety is a person or party that takes responsibility for the debt, default or other financial responsibilities of another party.
  - A surety is often used in contracts where one party's financial holdings or well-being are in question and the other party wants a guarantor.
  - Surety bonds are financial instruments that tie the principal, the obligee—often a government entity—and the surety.
  - In the case of surety bonds, the surety is providing a line of credit to the principal so as to reassure the obligee that the principal will fulfill their side of the agreement.
  - Big construction and infrastructure projects may soon witness the concept of surety bond as an option and alternate to bank guarantees. A Working Group of insurance regulator IrDAI has already recommended issuance of surety bonds by insurance companies which will function as the performance or delivery obligation to complete an insured project.
  - The performance bonds issued may cover up to 10-20 per cent or sometimes guarantee 100 per cent of the project value.
  - Surety bonds are typically conditional, while bank guarantees are on demand, and are offered as insurance products in the global market.
  - In the wake of rising NPAs and banks' reluctance to give bank guarantees, The National Highways Authority of India (NHAI) received representations from contractors and developers as obtaining bank guarantees were becoming very difficult.
4. **BANDICOOT** recently heard in news are?
- A. A new variety of coffee introduced in Coorg.
  - B. New surface to air missile radar, developed by DRDO.
  - C. A new types of robots.
  - D. A new wheat variety, also called high yielding aestivum.

**Answer: C**

**Explanation**

- The automatic sewer cleaning robot has been procured by the Greater Mohali Area Development Authority.
- The BANDICOOT robot is also the first of its kind in the world that was developed by a Start-up India company called Genrobotics under the Make in India initiative, funded by CSR of Indian Oil Corporation Limited (IOCL).

- The robot would be a big relief for sanitation workers in the Covid times as it ensures zero physical contact with the sewage and helps workers stay away from the virus.

**5. World Employment and Social Outlook is launched by?**

- A. United Nations Conference on Trade and Development
- B. World Bank Group
- C. International Labor Organization
- D. International Monetary Fund

**Answer: C**

**Explanation**

- The WESO report is an initiative of the International Labour Organization (ILO).
- ILO forecasts that unemployment will rise by about 2.5 million this year.
- The ILO is a UN agency whose mandate is to advance social justice and promote decent work by setting international labour standards.
- The report analyses key labour market issues, including unemployment, labour underutilization, working poverty, income inequality, labour income share and factors that exclude people from decent work.

## 5. Environment

Click [here](#) to watch the following questions on YouTube

1. Which of the following organizations has recently won has won UN award for its efforts to combat climate change amid the Covid-19 pandemic?

- A. The Global Himalayan Expedition (GHE)
- B. U.S. Environmental Protection Agency (EPA)
- C. Intergovernmental Panel on Climate Change (IPCC)
- D. National Center for Atmospheric Research (NCAR)

**Answer: A**

### Explanation

- The Global Himalayan Expedition (GHE) has won a prestigious UN award for its efforts to combat climate change amid the Covid-19 pandemic.
  - The organization is among the winners of the 2020 UN Global Climate Action Award.
  - GHE is world's first organisations that is using tourism and technology to bring solar energy to remote communities as recognised by the World Travel and Tourism Council (WTTC) and the United Nations World Tourism Organisation (UNWTO).
  - GHE is an Indian organisation that opens up the tourism and technology in order to help remote communities to access solar energy.
  - It conducts Impact Expeditions that help the remote Himalayan villages.
  - The organisation uses the portion of the expedition fee to fund the capital cost of the hardware, transportation, installation and training of village-scale solar micro-grids.
  - The micro-grid infrastructure is owned and operated by the community.
2. Which of the following committee was formed to look after the problem of stubble burning?

- A. Kasturirangan committee
- B. MeenaKumari committee
- C. Madan B Lokur committee
- D. C Rangarajan committee

**Answer: C**

### Explanation

- Kasturirangan panel – Western Ghats
- Meenakumari panel – deep sea fishing policy
- C Rangarajan panel- measurement of poverty.

3. Based on the following statements identify the bird?

1. These are world's longest travelling raptors start travelling with the onset of winters.
2. They get their name from the river that forms the border between Russia and China.
3. Nagaland is considered as its world capital.
4. IUCN status: least concerned.

- A. Osprey
- B. Pacific Golden Plover
- C. Asiatic Sparrow-Hawk
- D. Amur Falcon

**Answer: D**

**Explanation**

- Amur falcons, the world's longest travelling raptors start travelling with the onset of winters.
- The raptors breed in southeastern Siberia and northern China, and migrate in millions across India and then over the Indian Ocean to southern Africa before returning to Mongolia and Siberia. Their 22,000-kilometre migratory route is one of the longest amongst all avian species.
- They get their name from the Amur River that forms the border between Russia and China.
- Doyang Lake in Nagaland is better known as a stopover for the Amur falcons during their annual migration from their breeding grounds to warmer South Africa. Thus, Nagaland is also known as the Falcon Capital of the World.
- The birds are the least concern under the International Union for Conservation of Nature (IUCN) Red List, but the species is protected under the Indian Wildlife Protection Act, 1972, and the Convention on Migratory Species, to which India is a signatory (which means it is mandatory to protect the birds).

4. Which of the following statements in context of State of Global Air report 2020 are correct?

1. India is among the top ten countries with highest ozone (O<sub>3</sub>) exposure in 2019.
  2. It is released by International Union of Air Pollution Prevention and Environmental Protection Association (IUAPPA).
- A. 1 only
  - B. 2 only
  - C. Both 1 and 2
  - D. Neither 1 nor 2

**Answer: A**

**Explanation**

- Recently, a global study, State of Global Air 2020 (SoGA 2020) has been released by the Health Effects Institute (HEI).

- It highlights that air pollution is the largest risk factor for death among all health risks and it is the first-ever comprehensive analysis of air pollution's global impact on newborns.
- HEI is an independent, nonprofit research institute funded jointly by the USA's Environmental Protection Agency and others
- India, Bangladesh, Pakistan and Nepal are among the top ten countries with the highest PM2.5 (particulate matter) exposures in 2019 and all of these countries experienced increases in outdoor PM2.5 levels between 2010 and 2019.
- India is also among the top ten countries with highest ozone (O<sub>3</sub>) exposure in 2019. Also, among the 20 most populous countries, India recorded the highest increase (17%) in O<sub>3</sub> concentrations in the past ten years.
- Long-term exposure to outdoor and household (indoor) air pollution contributed to over 1.67 million annual deaths from stroke, heart attack, diabetes. Lung cancer, chronic lung diseases, and neonatal diseases, in India in 2019.

**5. KOMODO DRAGONS recently heard in news are species of?**

- A. Snake
- B. Mandrinfish
- C. Dragonfly
- D. Lizard

**Answer: D**

**Explanation**

- The Komodo dragon is the largest living species of lizard.
- They are listed as Vulnerable by the IUCN.
- Komodo dragons hunt and prey including invertebrates, birds, and mammals.
- It is claimed that Komodo's have a venomous bite, which has been shown to secrete an anticoagulant.
- The Indonesian government ordered to relocate the residents of an island in eastern Indonesia called the island of Komodo in a bid to conserve rare Komodo dragons.



## 6. Science & Technology

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1. Which of the following statements regarding Recycling of Ships are correct?

1. Under Ship Recycling Act, 2019, India has acceded to Hong Kong Convention for Ship Recycling under International Maritime Organization (IMO).
2. The Centre has notified the directorate general of shipping as the National authority for recycling of ships.

Select the correct code

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

**Answer: C**

**Explanation**

- The Centre has notified the directorate general of shipping as the National authority for recycling of ships.
- The notification was issued under the section 3 of the Recycling of Ships Act, 2019.
- The National Authority of Ship Recycling is to be set up in Gandhinagar.
- DG Shipping is authorized to administer, supervise and monitor all activities relating to ship recycling in the country.
- It will also be the final authority for the various approvals required by the ship-recycling yard owners and state governments.
- Under Ship Recycling Act, 2019, India has acceded to Hong Kong Convention for Ship Recycling under International Maritime Organization (IMO).
- IMO adopted the Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships in 2009.
- The guidelines are aimed at ensuring that ships, being recycled after reaching the end of their operational lives, do not pose any unnecessary risks to human health, safety and the environment.
- The Convention is yet to come into force because it has not been ratified by 15 nations, representing 40 per cent of the world merchant shipping by gross tonnage (capacity) and a maximum annual ship recycling volume of not less than 3 per cent of the combined tonnage of the countries.

2. Identify the submarine based on the statements given below?

1. It is the last of the four indigenously built Anti-Submarine Warfare (ASW) stealth corvettes built under Project 28 (Kamorta class).

2. **The ship is the reincarnation of the erstwhile Arnala Class missile corvette of the same name.**
3. **It is named after the capital of the Lakshadweep group of islands.**

**Select the correct code**

- A. INS Kamorta
- B. INS Kadmatt
- C. INS Kiltan
- D. INS Kavaratti

**Answer: D**

**Explanation**

- Recently, INS Kavaratti has been formally inducted into the Indian Navy at the Naval Dockyard in Eastern Naval Command (ENC), Visakhapatnam.
  - It is named after the capital of the Lakshadweep group of islands.
  - It is the last of the four indigenously built Anti-Submarine Warfare (ASW) stealth corvettes built under Project 28 (Kamorta class)
  - Built by Garden Reach Shipbuilders and Engineers (GRSE), Kolkata.
  - The ship is regarded as one of the most potent ASW stealth corvettes to have been constructed in India as it joins three other ships of the same class INS Kamorta, INS Kadmatt and INS Kiltan at the ENC.
  - Its induction is a game-changer in the eastern seaboard, especially with the Chinese submarines trying to increase their presence in the Indian Ocean.
  - It has enhanced stealth features resulting in reduced Radar Cross Section (RCS) achieved by the superstructure along with optimally sloped surfaces
  - INS Kavaratti and INS Kiltan are the first two major warships in the country to have the unique feature of the superstructure made of carbon fibre composite material.
  - It has high indigenous content with the state-of-the-art equipment and systems to fight in Nuclear, Biological and Chemical (NBC) warfare conditions.
  - Some of the major equipment/ systems developed indigenously include Combat Management System, Torpedo Tube Launchers and Infra-Red Signature Suppression System, etc.
  - The high level of indigenisation incorporated in the production accentuates the objectives of Atmanirbhar Bharat Initiative.
  - The ship is the reincarnation of the erstwhile Arnala Class missile corvette of the same name, INS Kavaratti-P 80, a ship that played an important role in the liberation of Bangladesh in 1971.
3. **Which of the following statements regarding Thalassemia Bal Sewa Yojna are correct?**
    1. **It was launched by The Ministry of Health and Family Welfare.**
    2. **It is funded by IOCL Corporate Social Responsibility (CSR).**

3. It is regarding the treatment of renal failure.
4. Only patients whose monthly family income is below Rs 20,000 will be eligible for this assistance.

Select the correct code:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 and 4 only
- D. 1 and 4 only

**Answer: D**

**Explanation**

- The Ministry of Health and Family Welfare launched the second phase of “Thalassemia Bal Sewa Yojna” for the underprivileged Thalassemic patients.
- The Hematopoietic Stem Cell Transplantation (HSCT) program was launched in 2017 and is funded by Coal India Corporate Social Responsibility (CSR)
- It will be extended for next two years from 2020.
- Thalassemia: It is a genetic blood disorder that causes the body to have less hemoglobin than normal. Hemoglobin enables red blood cells to carry oxygen. Thalassemia can cause anemia, leading to fatigue.
- Hematopoietic Stem Cell: It is an immature cell that can develop into all types of blood cells, including white blood cells, red blood cells, and platelets. Hematopoietic stem cells are found in the peripheral blood and the bone marrow. Also called blood stem cell.
- HSCT: It refers to the transplantation of stem cells from various sources (bone marrow, growth factor-stimulated peripheral blood, and umbilical cord blood) for the treatment of various diseases like autoimmune and genetic diseases.
- Only patients whose monthly family income is below Rs 20,000 will be eligible for this assistance.
- The scheme has been extended to cover Aplastic Anaemia patients (lack of blood cell production in body).

4. Which of the following statements regarding SANT missile are correct?

1. SANT (Stand-off Anti-tank) missile has been successfully test-fired off the coast of Odisha and is being developed by DRDO and IAF.
2. The missile is reported to be the upgraded version of India's Helina (Helicopter Launched Nag) missile.
3. SANT missile can destroy the targets from a short-range only.
4. The missile will have both Lock-on after Launch and Lock-on before Launch capabilities.

Select the correct code

- A. 1, 2 and 3

- B. 1, 2 and 4
- C. 1, 3 and 4
- D. 1, 2, 3 and 4

**Answer: B**

**Explanation**

- India successfully test-fired SANT (Stand-off Anti-tank) missile off the coast of Odisha.
  - The missile is being developed by Imarat (DRDO's research centre) in collaboration with the IAF.
  - The missile is reported to be the upgraded version of India's HeLiNa (Helicopter Launched Nag) missile.
  - The earlier version of the missile had a range of around 8 km but the upgraded variant can cover at least double the distance.
  - SANT missile has a range between 15 to 20 km.
  - It is equipped with a nose-mounted active radar seeker. Thus, the launch platform can be located at a safe distance from the target area.
  - The missile is stated to have both Lock-on After Launch and Lock-on Before Launch capabilities.
  - SANT missile will be launched from a Mi-35 helicopter (Russian helicopter) gunship in the month of December.
  - The missile hit the target precisely and performed extremely complex manoeuvres.
  - Unlike other missiles of this class, the SANT missile can destroy the targets from a long-range.
  - As per the officials associated with the missile, SANT is one of the best airborne anti-armour guided missiles in the world.
5. Frequently heard in news OSIRIS-Rex was launched by which of the following space agencies?
- A. NASA - The National Aeronautics and Space Administration
  - B. Roscosmos
  - C. ESA- European Space Agency
  - D. JAXA- The Japan Aerospace Exploration Agency

**Answer: A**

**Explanation**

- OSIRIS-REx was launched from Cape Canaveral, Florida on September 8, 2016.
- The OSIRIS-REx mission is not the first to ever visit an asteroid and attempt a sample return.
- Japan has done (Hayabusa Mission) before it and Europe (Rosetta Mission) has managed to land on a comet.
- Mission:

- ✓ The Mission aims to study asteroid Bennu, collect a sample and return it to Earth in 2023.
- ✓ The mission will spend 2.5 years, mapping its surface and studying its composition.
- ✓ It has now collected (in October 2020) more than two kilograms of asteroid samples into a capsule for return to Earth.
- ✓ This has been packed away in a sterile capsule to be returned to Earth in 2023.