

IASbaba's Daily Quiz

December 1, 2016

Q.1) Which of the following causes coral bleaching?

1. Change in ocean temperature
2. Extreme low tides
3. Overexposure to sunlight

Select the correct code:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

Q.1) Solution (d)

CORAL BLEACHING
Have you ever wondered how a coral becomes bleached?

HEALTHY CORAL
1 Coral and algae depend on each other to survive.

STRESSED CORAL
2 If stressed, algae leaves the coral.

BLEACHED CORAL
3 Coral is left bleached and vulnerable.

Corals have a symbiotic relationship with microscopic algae called zooxanthellae that live in their tissues. These algae are the coral's primary food source and give them their color.

When the symbiotic relationship becomes stressed due to increased ocean temperature or pollution, the algae leave the coral's tissue.

Without the algae, the coral loses its major source of food, turns white or very pale, and is more susceptible to disease.

WHAT CAUSES CORAL BLEACHING?

- Change in ocean temperature**
Increased ocean temperature caused by climate change is the leading cause of coral bleaching.
- Runoff and pollution**
Storm generated precipitation can rapidly dilute ocean water and runoff can carry pollutants — these can bleach near-shore corals.
- Overexposure to sunlight**
When temperatures are high, high solar irradiance contributes to bleaching in shallow-water corals.
- Extreme low tides**
Exposure to the air during extreme low tides can cause bleaching in shallow corals.

NRAA
NOAA's Coral Reef Conservation Program
<http://coralreef.noaa.gov/>

In News - <http://www.thehindu.com/news/international/Australia%E2%80%99s-Great-Barrief-Reef-sees-largest-coral-die-off-ever/article16726366.ece>

IASbaba's Daily Quiz

December 1, 2016

Q.2) Consider the following statements about North-Eastern Space Applications Centre (NE-SAC)

1. It is a joint initiative of Department of Space and North Eastern Council to provide developmental support to the North Eastern region using space science and technology
2. It is located in Guwahati, Assam
3. It has taken the initiative for design and assembling of UAVs for various applications

Which of the following statements is/are correct?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

Q.2) Solution (c)

NE-SAC, located at Umiam (near Shillong), Meghalaya, is a joint initiative of DOS and North Eastern Council to provide developmental support to the North Eastern region using space science and technology. The centre has the mandate to develop high technology infrastructure support to enable NE states to adopt space technology inputs for their development. At present, NE-SAC is providing developmental support by undertaking specific application projects using remote sensing, GIS, satellite communication and conducting space science research.

NE-SAC has taken the initiative for design and assembling of UAVs for various applications. UAVs can perform efficient surveys for disaster-prone or physically inaccessible areas, quick damage assessment of landslides, floods and earthquakes and enable timely relief measures.

In News - <http://www.thehindu.com/news/national/ISRO-drones-help-map-disasters-in-north-east/article16727114.ece>

Q.3) Consider the following statements

1. Track One Diplomacy is official government diplomacy whereby communication and interaction is between governments.
2. Track Two Diplomacy is the unofficial interaction and intervention of non-state actors.

IASbaba's Daily Quiz

December 1, 2016

3. Track Three Diplomacy is people to people diplomacy undertaken by individuals and private groups

Which of the following statements is/are correct?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

Q.3) Solution (d)

Track 1 – Government, or Peacemaking through Diplomacy. This is the world of official diplomacy, policymaking, and peacebuilding as expressed through formal aspects of the governmental process.

Track 2 – Nongovernment/Professional, or Peacemaking through Conflict Resolution. This is the realm of professional nongovernmental action attempting to analyze, prevent, resolve, and manage international conflicts by non-state actors.

Track 3 – Business, or Peacemaking through Commerce. This is the field of business and its actual and potential effects on peacebuilding through the provision of economic opportunities, international friendship and understanding, informal channels of communication, and support for other peacemaking activities.

Track 4 – Private Citizen, or Peacemaking through Personal Involvement. This includes the various ways that individual citizens become involved in peace and development activities through citizen diplomacy, exchange programs, private voluntary organizations, nongovernmental organizations, and special-interest groups.

Track 5 – Research, Training, and Education, or peacemaking through Learning. This track includes three related worlds: research, as it is connected to university programs, think tanks, and special-interest research centers; training programs that seek to provide training in practitioner skills such as negotiation, mediation, conflict resolution, and third-party facilitation; and education, including kindergarten through PhD programs that cover various aspects of global or cross-cultural studies, peace and world order studies, and conflict analysis, management, and resolution.

Track 6 – Activism, or Peacemaking through Advocacy. This track covers the field of peace and environmental activism on such issues as disarmament, human rights, social and economic justice, and advocacy of special-interest groups regarding specific governmental policies.

IASbaba's Daily Quiz

December 1, 2016

Track 7 – Religion, or Peacemaking through Faith in action. This examines the beliefs and peace-oriented actions of spiritual and religious communities and such morality-based movements as pacifism, sanctuary, and nonviolence.

Track 8 – Funding, or Peacemaking through Providing Resources. This refers to the funding community—those foundations and individual philanthropists that provide the financial support for many of the activities undertaken by the other tracks.

Track 9 – Communications and the Media, or Peacemaking through Information. This is the realm of the voice of the people: how public opinion gets shaped and expressed by the media—print, film, video, radio, electronic systems, the arts.

Q.4) Consider the following statements

1. A navigational lock is a device used for raising and lowering ships/vessels between stretches of water of different levels on river and canal waterways.
2. The Farakka navigational lock is the third major work on National Waterway-1 to be awarded in record time.

Which of the following statements is/are correct?

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

Q.4) Solution (c)

Working of a navigational lock

Figure I: Lock Chamber Fills



IASbaba's Daily Quiz

December 1, 2016

Figure J: Lock Chamber Drains

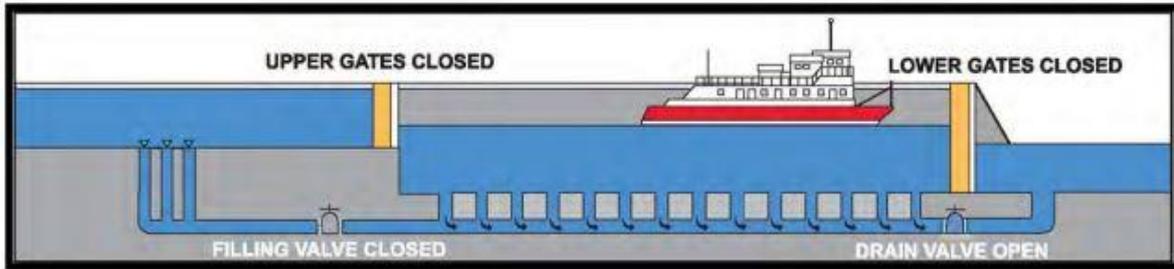
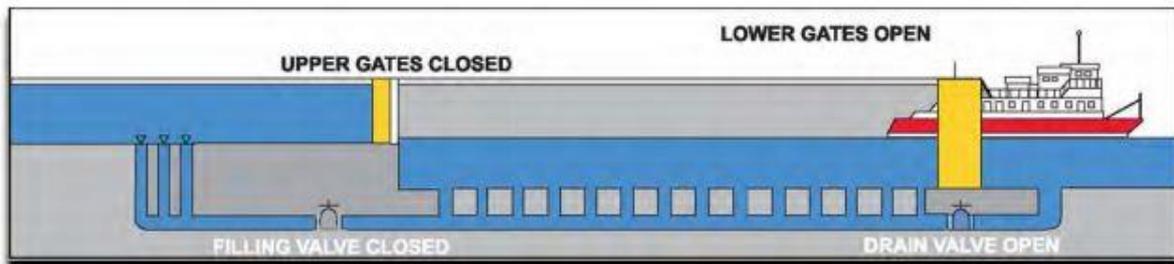


Figure K: Vessel Exit Lock Chamber



In News - <http://economictimes.indiatimes.com/news/economy/infrastructure/iwai-awards-contract-to-build-navigational-lock-at-farakka/articleshow/55706956.cms>

Q.5) Which of the following services is/are provided under Pradhan Mantri Jan-Dhan Yojana?

1. Remittance
2. Insurance
3. Pension
4. Credit

Choose the appropriate code

- a) 2 and 4 only
- b) 1, 2 and 4
- c) 2, 3 and 4
- d) All of the above

Q.5) Solution (d)

IASbaba's Daily Quiz

December 1, 2016

Pradhan Mantri Jan-Dhan Yojana (PMJDY) is National Mission for Financial Inclusion to ensure access to financial services, namely, Banking/ Savings & Deposit Accounts, Remittance, Credit, Insurance, Pension in an affordable manner to the excluded sections i.e. weaker sections & low income groups.

Account can be opened in any bank branch or Business Correspondent (Bank Mitr) outlet. PMJDY accounts are being opened with Zero balance. However, if the account-holder wishes to get cheque book, he/she will have to fulfil minimum balance criteria.

In News - <http://www.thehindu.com/news/national/Jan-Dhan-account-holders-can-withdraw-only-up-to-Rs.-10000-a-month/article16729132.ece>