

BrainBuzz Academy

SSC Current Affairs - 30-Nov-24

TABLE OF CONTENTS

A. Reports And Indices

1. Network Readiness Index 2024

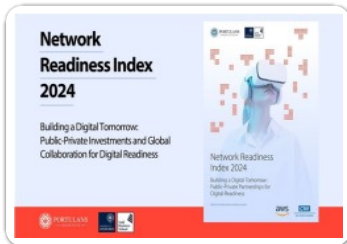
B. Practice Questions

1. Current Affairs One Liners

ಒಕ್ಕು ಲೈನ್ ಲ್ಲಿ ಕರಂಟ್ ಅಫೇರ್ಸ್

Reports And Indices

Network Readiness Index 2024



India has made significant strides in the global digital landscape, evidenced by its improved ranking in the Network Readiness Index (NRI) 2024, where the country now stands at 49th position, up from 60th in the 2023 report. This remarkable leap of eleven positions reflects India's growing role as a leader in digital transformation, driven largely by robust government initiatives. The NRI 2024 evaluates the network readiness of 133 economies based on four key pillars: Technology, People, Governance, and Impact, and uses a wide range of 54 variables to determine rankings.

India's improved score of 53.63 (up from 49.93 in 2023) underlines the country's enhanced technological, governance, and infrastructural capabilities. The country's rise in the rankings is a direct result of government policies and strategic initiatives aimed at boosting connectivity, innovation, and digital services across all sectors of the economy.

Key Highlights of India's Performance in NRI 2024:

India's improved position in the NRI 2024 is not just a numerical shift but an indication of the country's progress in several key areas. Notable achievements include:

1st Rank: AI Scientific Publications, AI Talent Concentration and ICT Services Exports

2nd Rank: FTTH (Fiber to the Home) / Building Internet Subscriptions, Mobile Broadband Internet Traffic within the Country, International Internet Bandwidth

3rd Rank: Domestic Market Scale

4th Rank: Annual Investment in Telecommunication Services

India has also ranked 2nd among lower-middle-income countries, showcasing its leadership in digital advancement within its income group. These achievements reflect India's growing dominance in technological innovation, artificial intelligence, and the telecommunications sector.

Government Initiatives Driving India's Digital Transformation:

India's rise in the NRI 2024 is deeply intertwined with the government's ongoing efforts to create a favorable environment for technological progress. Through a combination of policies, infrastructure development programs, and public-private partnerships, the Indian government has been fostering growth in several key areas. Below are some of the most impactful initiatives that have contributed to

India's improved network readiness.

Digital India Program

Launched on July 1, 2015, Digital India is one of the flagship programs of the Indian government, designed to transform India into a digitally empowered society and knowledge economy. This initiative has been at the core of India's digital revolution and has had a profound impact on internet penetration and digital infrastructure.

Broadband Access Expansion: Digital India has significantly improved access to broadband services, especially in rural and underserved areas, by promoting public-private partnerships. It has driven a massive increase in internet subscribers, growing from 25.1 crore to 94.4 crore over the past decade.

Digital Literacy: The program has also focused on improving digital literacy, with millions of people in rural and remote areas trained to use digital tools and services.

Government Services Online: It has digitized many government services, making them available online, enhancing accessibility and transparency.

BharatNet Initiative

The BharatNet Project is a cornerstone of India's digital infrastructure. The program aims to connect all of India's 2.5 lakh gram panchayats (village councils) with high-speed broadband, making broadband accessible even in the most remote parts of the country. The initiative has led to:

Expansion of Internet Access: BharatNet has enabled internet connectivity in rural areas, bridging the digital divide between urban and rural India.

Enhancement of Government-to-Citizen Services: The availability of broadband has enhanced the delivery of e-governance services, such as online education, healthcare, and agriculture services, to rural populations.

5G and Future Telecom Technologies

India's launch of 5G services in 2022 marks a significant milestone in the country's telecom sector. With this leap into the next generation of mobile broadband, India has improved its global ranking in mobile broadband speed from 118th to 15th.

Infrastructure Upgrades: The Indian government has been working with telecom operators to expand 5G infrastructure across the country, offering faster data speeds and better connectivity.[1]

An example of the government's commitment to expansion of 5G infrastructure, is the 5G Intelligent Village Initiative, which aims to bridge connectivity gaps and empower rural communities by leveraging the transformative power of 5G technology. The initiative invites proposals under the theme, "From Connectivity Gaps to Smart Solutions: Designing 5G Networks for Rural Innovation," to foster technological advancement in rural areas.

Bharat 6G Vision: The Bharat 6G Vision, introduced by the government, aims to make India a global leader in 6G technology. The vision includes the development of indigenous technology, setting up research hubs, and accelerating innovation in future technologies such as Artificial Intelligence (AI), the Internet of Things (IoT), and blockchain.[2]

National Digital Communications Policy (NDCP) 2018

The National Digital Communications Policy (NDCP) 2018 is another significant initiative aimed at promoting a vibrant digital economy in India. This policy seeks to improve connectivity, create job opportunities, and attract investment in the telecommunications sector.

Broadband for All: The policy emphasizes providing high-speed internet to all rural and urban areas, ensuring equal access to information and services across India.

PM Gati Shakti National Master Plan

The PM Gati Shakti National Master Plan, launched in 2021, is aimed at creating integrated infrastructure for seamless connectivity across the country. This includes the creation of multimodal connectivity for better transport and logistics, which also supports digital infrastructure development. [3]

Transport and Digital Infrastructure: The plan focuses on improving the country's transport, logistics, and telecommunication networks, ensuring that digital and physical infrastructure complement each other.

National Artificial Intelligence (AI) Strategy

In recognition of the growing importance of AI, the Indian government has laid the foundation for AI as a key driver of economic growth. The National Strategy for Artificial Intelligence, launched by NITI Aayog, aims to position India as a global leader in AI research and development. Accenture, in its recent AI research reports, provides a framework for evaluating the economic impact of AI for select G20 countries and estimates AI to boost India's annual growth rate by 1.3 percentage points by 2035[4].

AI Research & Development: India has been fostering AI innovation through a series of research institutions and partnerships with private industry players. This has led to India's top ranking in AI Scientific Publications and AI Talent Concentration in the NRI 2024 report.

AI for Social Good: The strategy also focuses on using AI to address societal challenges such as healthcare, education, and agriculture, driving inclusive growth.

Skill Development and Digital Literacy Programs

The Skill India initiative aims to equip the youth with relevant digital and technical skills, making them more competitive in the global workforce. With a focus on digital literacy, the government is preparing a new generation of talent that can drive technological advancement.

Digital Literacy for All: Programs like Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA)[5] have significantly boosted digital literacy in rural areas, helping people to access online services and participate in the digital economy.

Conclusion

India's impressive performance in the Network Readiness Index 2024 is a direct reflection of the significant strides made in digital infrastructure, technological innovation, and governance. The government's extensive initiatives such as Digital India, BharatNet, and Startup India, along with its forward-looking 6G Vision, have played an instrumental role in positioning India as a global leader in the digital realm. With continued investment in digital technologies, regulatory reforms, and skill development, India is poised to further improve its network readiness and lead the world in future technological advancements.

Practice Questions

Current Affairs One Liners

ఒక్క లైన్ లో కరెంట్ అఫైర్స్



1. India's Ministry of External Affairs has signed an agreement with the International Solar Alliance. This agreement, made on November 26, 2024, focuses on solar energy projects in?

Ans: Fiji, Comoros, Madagascar, and Seychelles

2. India Re-Elected to UN Peacebuilding Commission for?

Ans: 2025-2026

3. cyclone fengal named by which country?

Ans: Cyclones in the North Indian Ocean are named by the World Meteorological Organization (WMO) to increase public awareness and response. The name 'Fengal' was given by Saudi Arabia, following the practice of countries in the region contributing names for storms.

4. What is the RBI has projected a full-year GDP growth of India for 2024-25?

Ans: 7.2%

5. AgniWarrior 2024 is a military exercise between India and which country?

Ans: Singapore

6. What is the India rank in Network Readiness Index 2024?

Ans: 49

7. Who has been elected as the 11th President of Asian Development Bank (ADB)?

Ans: Masato Kanda (Japan)

Current President(10th): Masatsugu Asakawa (Japan)

8. Where was the All India Conference of Director Generals/ Inspector Generals of Police 2024 held?

Ans: Bhubaneswar, Odisha

9. What is the name of the migratory bird that recently broke the record for the longest migratory flight to Rajasthan, India?

Ans: Siberian Demoiselle crane, Sukpak, set a record by migrating over 3,676 km to Rajasthan, India. It is the smallest crane species, known for its solitary and social behavior.

10. Ngada Festival, which was seen in the news, is celebrated by which tribes?

Ans: Rengma [The Rengma Naga tribe celebrated the Ngada festival-cum-Mini Hornbill Festival at the Tseminyu RSA ground in Nagaland. The Rengma Nagas are a Tibeto-Burman ethnic group living in Nagaland and Assam.]

11. Girnar Wildlife Sanctuary is located in which state?

Ans: Gujarat

1. భారతదేశం యొక్క విదేశీ వ్యవహారాల మంత్రిత్వ శాఖ అంతర్జాతీయ సౌర కూటమితో ఒక ఒప్పందంపై సంతకం చేసింది. నవంబర్ 26, 2024న చేసుకున్న ఈ ఒప్పందం, ఏ దేశ సౌరశక్తి ప్రాజెక్టులపై దృష్టి సారిస్తుంది?

జ: ఫిజి, కొమోరోస్, మాడగాస్కార్ మరియు సీషెల్స్

2. ఐక్యరాజ్యసమితి శాంతి జర్నింగ్ కమిషన్ కు భారతదేశం తిరిగి ఎన్నికైంది?

జ: 2025-2026

3. తుఫాను ఫెంగల్ అని ఏ దేశం పేరు పెట్టింది?

జవాబు: ఉత్తర హిందూ మహాసముద్రంలో తుఫానులకు ప్రపంచ వాతావరణ సంస్థ (WMO) ప్రజల అవగాహన మరియు ప్రతిస్పందనను పెంచడానికి పేరు పెట్టింది. సాదీ అరేబియా 'ఫెంగల్' అనే పేరు పెట్టింది, ఈ ప్రాంతంలోని దేశాలు తుఫానులకు పేర్లు పెట్టే పద్ధతిని అనుసరిస్తాయి.

4. 2024-25కి భారతదేశం యొక్క పూర్తి-సంవత్సర GDP వృద్ధిని RBI అంచనా వేసింది?

జ: 7.2%

5. అగ్నివారియర్ 2024 భారతదేశం మరియు ఏ దేశం మధ్య సైనిక అభ్యాసం?

జ: సింగపూర్

6. నెట్‌వర్క్ రెడీనెస్ ఇండెక్స్ 2024లో భారతదేశ ర్యాంక్ ఎంత?

జ: 49

7. ఆసియా అభివృద్ధి బ్యాంక్ (ADB) 11వ అధ్యక్షుడిగా ఎవరు ఎన్నికయ్యారు?

జ: మసాటో కాండా (జపాన్)

ప్రస్తుత అధ్యక్షుడు (10వ): మసత్సుగు అసకవా (జపాన్)

8. డైరెక్టర్ జనరల్/ఇన్‌స్పెక్టర్ జనరల్ ఆఫ్ పాలీస్ 2024 అఖిల భారత సమావేశం ఎక్కడ జరిగింది?

జ: భువనేశ్వర్, ఒడిశా

9. ఇటీవల భారతదేశంలోని రాజస్థాన్‌కు అత్యంత సుదీర్ఘమైన వలస విమాన రికార్డును బద్దలు కొట్టిన వలస పక్షి పేరు ఏమిటి?

జ: సైబీరియన్ డెమోయిసెల్లే క్రేన్, సుక్మాక్, భారతదేశంలోని రాజస్థాన్‌కు 3,676 కి.మీలకు పైగా వలస వెళ్లి రికార్డు సృష్టించింది. ఇది ఏకాంత మరియు సామాజిక ప్రవర్తనకు ప్రసిద్ధి చెందిన అతి చిన్న క్రేన్ జాతి.

10. వార్తల్లో కనిపించే న్డ పండుగను ఏ తెగలు జరుపుకుంటారు?

జ: రెంగ్మా [రెంగ్మా నాగా తెగ వారు నాగాలాండ్‌లోని త్సెమిన్సు RSA మైదానంలో న్డ పండుగ-కమ్-మిసీ హార్వ్జిల్ పండుగను జరుపుకున్నారు. రెంగ్మా నాగాలు నాగాలాండ్ మరియు అస్సాంలో నివసిస్తున్న టిబెటో-బర్మన్ జాతి సమూహం.]

11. గిర్నార్ వన్యప్రాణుల అభయారణ్యం ఏ రాష్ట్రంలో ఉంది?

జ: గుజరాత్