

Expected Questions for Computers, IT & Geography - 2018 (Part - 1) (Download PDF)

(May 25, 2018)

“Weaving a Digital India” National Meet on Grassroots Informatics: VIVID 2018 - National Informatics Centre (NIC) had a 3-day National Meet on Grassroot Informatics – VIVID: Weaving a Digital India, at the India Habitat Centre, New Delhi.

Find this video at: <https://www.youtube.com/video/En7RgKvbVRA>

Expected Questions on Computers, IT & Geography 2018 (In English)

Theme for VIVID 2018: Cyber Security and Innovation

Aim of VIVID:

- Showcase initiatives of NIC in creating and enhancing the security of Digital Infrastructure in India.
- Extensive platform for knowledge sharing.
- Empower 240 NIC district officials from across India to interact and leverage on each other's experience and best practices.

World Information Technology Congress 2018

- World Information Technology Congress (WITC) 2018 held in Hyderabad, Telangana via video conference.
- **Theme:** 'Future Enterprises.'
- It was hosted by Telangana Government, in association with country's top IT body:
 - National Association of Software and Services Companies (NASSCOM)
 - Global IT organization World Information Technology and Services Alliance (WITSA).
- This is for first time India hosted WITC.
- At least 20 CEOs from Fortune, 500 companies and 100 other top executives attended the conference.

E-Sampark

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- It is a mechanism to connect government directly with citizens across India by running mailer, outbound dialing and SMS campaigns.
- Used for sharing informational and public service messages.
- Introduced to establish proactive communication by digitization of campaigns.
- Maintains a database of contacts of the nodal officers, representatives and citizens.
- Users can also view the previous campaigns conducted.
- Signifies the essence of Digital India.
- Enables the government to communicate with the citizens about several programs and initiatives.

What is CyberDost?

- Cyber Crime Prevention against Women and Children (CCPWC) Scheme.
- Implemented by the Ministry of Home Affairs, GoI in order to check ever-growing menace of cybercrime mainly against women and children.
- Raising awareness on prevention of cybercrimes.
- Social media platforms such as Twitter and Facebook will be broadly used.
- Also, print media and other communication channels used.
- It has been selected as the brand name for use in all communication and awareness material across different communication platforms.

New Data Transfer Record Created in Quantum Computing

- Scientists set a new record in transfer of information through super dense coding.
- A process by which the properties of particles like photons, protons and electrons are used to store as much information as possible.

World's First IBM PC Virus Was Released on January 19, 1986

- "Brain" considered to be the first major personal computer virus, was created on January 19, 1986.
- Created by Basit and Amjad Farooq Alvi at their computer shop in Lahore, Pakistan.
- From there the program spread across the world-one infected floppy disk at a time.
- At its peak Brain had even reached the offices of government department in Canada, on the other side of the globe.

Microsoft announces new Azure migration tools

- Microsoft announced new Azure migration tools and resources.
- It will help organisations to utilise the power of the hybrid cloud.
- **Hybrid cloud:**
 - It is a computing environment.
 - Uses a mix of on –premises, private cloud and third-party cloud services with orchestration between two platforms.

E-Governance

Find this video at: <https://www.youtube.com/video/pLs7KMJBD1E>

Digital Reforms in India: Payment & Governance Major Computer Terminologies

- e-governance gained more popularity in convoluted business world.
- Many management scholars described the concept of e-governance which is emerging as an important activity in business field.
- e-governance is the application of information and communication technologies.
- Help to transform the efficiency, effectiveness, transparency and accountability of informational and transactional exchanges with in government, between government & govt. agencies of National, State, Municipal and Local levels, citizen & businesses.
- Empower citizens through access & use of information.
- Resulting benefits can be less corruption, greater convenience, increased transparency, revenue growth, and or cost reductions.

GI Cloud Initiative – Meghraj

- Cloud Computing Services provide the new model of offering services to the users at fast pace which is also cost effective such as:
 - Platform as a Service (PaaS)
 - Infrastructure as a Service (IaaS)
 - Software as a Services (SaaS)
 - Storage as a Service (STaaS)
- In order to utilize and harness the benefits of Cloud Computing, Government of India has embarked upon an ambitious initiative -“GI Cloud”.

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- It has been named as 'MeghRaj'.
- To accelerate delivery of e-services in India while optimizing ICT spending of the Government.
- Ensure optimum utilization of the infrastructure and speed up the development and deployment of eGov applications.

Sevottam Service Delivery Excellence Model

- Sevottam is an assessment - improvement model.
- Developed with the objective of improving quality of public service delivery in India.
- Model was conceived by the Department of Administrative Reforms & Public Grievances (DARPG), Ministry of Personnel, Public Grievances, and Pensions in 2006.
- "Sevottam" word is a combination of two Hindi words: Seva (Service) and Uttam (Excellent).
- It means "Service Excellence", emphasizing the idea of "Service".

White Paper on Data Protection Framework for India

- 21st century witnessed such an explosive rise in the number of ways in which we use information that it is widely referred to as the information age.
- Global volume of digital data we create is expected to reach 44 zettabytes by 2020.
- New information will consist of personal details relating to individuals, including:
 - information relating to the products they have purchased,
 - places they have travelled to,
 - data which is produced from 'smart devices' connected to the Internet.
- There are large number of benefits to be gained by collecting and analysing personal data from individuals.

E-Procurement Platform for Andhra Pradesh and Telangana State

- e-Procurement is one of the vehicles that are being gainfully used in reaching the goal of CARING governance.
- To reduce the time and cost of doing business for both vendors and government.
- Provides its members with access to several online tenders published by departments.
- It will be utilised by all GoAP departments including Local Bodies and Municipal Corporations along with their vendors.

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- Co-operative, public and other State governments sector can also use this solution.

MCA 21:

- Launched by the Ministry of Corporate Affairs.
- Project aims at providing easy and secure online access.
- Provide to all registry related services provided by Union Ministry of Corporate Affairs to corporates and other stakeholders at any time and in a manner that best suits them.

Khajane Project in Karnataka:

- Comprehensive online treasury computerization project of Government of Karnataka.
- Project resulted in the computerization of the whole treasury related activities of the State Government.
- Ability to track every activity right from the approval of the State Budget to the point of rendering accounts to the government.

Computerization of Land Records:

- Centrally-sponsored scheme on computerization of land records.
- Started in 1988 - 89.
- Started with 100 % financial assistance as a pilot project in eight districts/states.
- In collaboration with NIC, ensuring that landowners get computerized copies of ownership, crop and tenancy and updated copies of Records of Rights (RoRs) on demand.

Digital India Land Record Modernization Program (DILRMP)

- Land Reforms (LR) Division was implementing two Centrally Sponsored Schemes:
 - Computerization of Land Records (CLR).
 - Strengthening of Revenue Administration and Updating of Land Records (SRA&ULR).
- In 2008, cabinet approved merger of these schemes into modified Scheme named Digital India Land Records Modernization Program (DILRMP).

Bhoomi Project

- Online delivery of Land Records.
- Project jointly funded by GoI and Government of Karnataka.

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- To digitize paper land records and create a software mechanism to control changes to the land registry in Karnataka.
- Self-sustainable e-Governance project for the computerized delivery of 20 million rural land records to 6.7 million farmers through 177 Government-owned kiosks in Karnataka.

E-Governance in Municipalities

- It is a unique initiative of the Government of India.
- Conceptualized under umbrella of the overall National e-Governance Plan (NeGP) and Jawaharlal Nehru National Urban Renewal Mission (JNNURM).
- **Aimed:** Improving operational efficiencies within Urban Local Bodies (ULBs).

Public Distribution System (PDS)

Computerization of the PDS is envisaged as an end-to-end project covering key functional areas such as supply chain management including:

- allocation and utilization reporting
- storage and movement of food grains
- grievance redressal and transparency portal
- digitization of beneficiary database
- Fair Price Shop automation, etc.

National Land Records Modernization Program (NLRMP)

- A Project for Computerization of Land Records (CLR).
- Launched in 1988 - 89.
- **Aim:** To remove the inherent flaws in the manual system of maintenance and updation of Land Records.
- Scheme was extended to tehsils to start distribution of Records of Rights to landowners on demand in 1997 - 98.
- Focus to employ state of the art information technology (IT) to galvanize and transform the existing land records system of India.

Crypto Currency

- A cryptocurrency is a digital or virtual currency that uses cryptography for security.
- Cryptocurrencies (Buy Crypto) become a global phenomenon known to most people.
- Crypto currency is digital money, created from code.

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- It is an encrypted string of data or a hash, encoded to signify one unit of currency.
- Most popular Cryptocurrency of today:

Name	Market Cap
Bitcoin	\$11, 322, 347, 786
Ethereum	\$928, 068, 434
Ripple	\$293, 888, 278
Litecoin	\$184, 904, 214
Monero	\$83, 466, 495
Ethereum Classic	\$80, 817, 441
Dash	\$66, 519, 213
Augur	\$52, 038, 360
NEM	\$37, 322, 550
Wavws	\$35, 727, 500

TABLE CONTAIN SHOWS THE CRYPTOCURRENCY AND MARKET CAP

Find this video at: <https://www.youtube.com/video/gpiCaZMMHmQ>

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 implies important for Objective Questions/MCQ

 implies important for Subjective Questions

 implies covered in Videos or Upcoming Videos

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[Tripartite MoU for Rooppur Nuclear Plant \(Important\)](#)

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