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Q.1) Consider the following statements with respect to 'Chiller Star Labelling Program'

1. It has been formulated by [Bureau of Energy Efficiency \(BEE\)](#)
2. It envisages providing rating in terms of its energy performance

Select the correct statements

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

Q.1) Solution (c)

The Chiller Star Labelling Program has been launched by Bureau of Energy Efficiency (BEE) to encourage the deployment of Energy Efficient chiller systems. The program envisages providing star rating in terms of its energy performance. Initially, the program is launched on voluntary basis and will be valid upto 31st December 2020.

LED and inverter AC have been notified under mandatory regime. Star labelling program for Variable speed Air Conditioners and LED lamps were notified in mandatory domain during the year 2017. The implementation of the same has begun w.e.f 1st January, 2018.

Star labelling program saved energy worth INR 22,500 crore during the year 2017-18

Source: <http://pib.nic.in/PressReleaseDetail.aspx?PRID=1555605>

Q.2) [PRAAPTI](#) App and web portal is associated with

- a) Power Purchases
- b) Coal Block Allocation
- c) Road Safety
- d) Trafficking of Women and Children

Q.2) Solution (a)

A Web portal and an App namely PRAAPTI (Payment Ratification And Analysis in Power procurement for bringing Transparency in Invoicing of generators) has been developed to bring transparency in power purchase transactions between Generators and Discoms.

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The App and Web Portal will capture the Invoicing and payment data for various long term PPAs from the Generators. This will help the stakeholders in getting month-wise and legacy data on outstanding amounts of Discoms against power purchase.

The app will also allow users to know the details related to the payments made by the Discoms to the power generation company and when they were made.

PRAAPTI will also enable the consumers to evaluate financial performance of their Discoms in terms of payments being made to the generation companies.

The Portal would also help DISCOMs and GENCOs to reconcile their outstanding payments.

The portal would facilitate relative assessment of various State DISCOMs on "Ease of making payments" to various Generation Companies, and will also help make transactions in the power Sector more transparent.

Source: <http://pib.nic.in/PressReleaseDetail.aspx?PRID=1555605>

Q.3) Which one of the following is a purpose of 'UDAY', a scheme of the Government?

- a) Providing for financial turnaround and revival of power distribution companies
- b) Providing technical and financial assistance to start-up entrepreneurs in the field of renewable sources of energy
- c) Providing electricity to every household in the country by 2020
- d) Replacing the coal-based power plants with natural gas, nuclear, solar, wind and tidal power plants over a period of time

Q.3) Solution (a)

It is a scheme for the financial turnaround of Power distribution companies (DISCOMs) was approved by the Government of India with an objective to improve the operational and financial efficiency of the state DISCOMS.

Source: <http://pib.nic.in/PressReleaseDetail.aspx?PRID=1555605>

Q.4) Consider the following statements about [Pradhan Mantri Sahaj Bijli Har Ghar Yojana](#) –“Saubhagya”

1. Poor households identified using Socio Economic and Caste Census (SECC) 2011 would be provided with free electricity

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2. Rural Electrification Corporation Limited (REC) is the nodal agency for the operationalisation of the scheme
3. Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) have been subsumed under the 'Saubhagya' scheme

Select the correct statements

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

Q.4) Solution (b)

The beneficiaries for free electricity connections would be identified using Socio Economic and Caste Census (SECC) 2011 data. However, un-electrified households not covered under the SECC data would also be provided electricity connections under the scheme on payment of Rs. 500 which shall be recovered by DISCOMs in 10 instalments through electricity bill.

Rural Electrification Corporation Limited (REC) is the nodal agency for the operationalisation of the scheme throughout the country.

Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) envisage creation of basic electricity infrastructure in villages / habitations, strengthening & augmentation of existing infrastructure, metering of existing feeders / distribution transformers / consumers to improve quality and reliability of power supply in rural areas. Besides this, last mile connectivity and free electricity connections are also provided to BPL households only identified by the States as per their list. However, in villages which are electrified in past for a long period, many households do not have electricity connections for many reasons. Some of the really poor households do not have BPL cards but these households are not capable of paying applicable initial connection charges. There is also lack of awareness as to how to get connection or taking connection is not an easy task for illiterate people. There may not be electricity pole nearby and the cost of erection of additional pole, conductor is also chargeable from the households for obtaining a connection.

Similarly in urban areas, Integrated Power Development Scheme (IPDS) provides for creation of necessary infrastructure to provide electricity access but some households are not yet connected mainly on account of their economic condition as they are not capable of paying the initial connection charges.

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Therefore, Saubhagya has been launched to plug such gaps and comprehensively address the issues of entry barrier, last mile connectivity and release of electricity connections to all un-electrified households in rural and urban areas.

Q.5) Consider the following statements with respect to 'Integrated Power Development Scheme (IPDS)'

1. It focuses on feeder separation (households & agricultural)
2. It focuses on strengthening of sub-transmission & distribution infrastructure including metering at all levels in rural areas

Select the correct statements

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

Q.5) Solution (d)

Integrated Power Development Scheme" (IPDS) with the objectives of:

- Strengthening of sub-transmission and distribution network in the urban areas;
- Metering of distribution transformers /feeders / consumers in the urban areas.
- IT enablement of distribution sector and strengthening of distribution network under R-APDRP for 12th and 13th Plans by carrying forward the approved outlay for R-APDRP to IPDS.
- Schemes for Enterprise Resource Planning (ERP) and IT enablement of balance urban towns are also included under IPDS. Scope of IT enablement has been extended to all 4041 towns as per Census 2011.

The scheme will help in reduction in AT&C losses, establishment of IT enabled energy accounting / auditing system, improvement in billed energy based on metered consumption and improvement in collection efficiency.

Source: <http://pib.nic.in/PressReleaseDetail.aspx?PRID=1555605>