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Q36

'Net metering' is sometimes seen in the news in the context of promoting the (a) Production and use of solar energy by the households/consumers (b) Use of piped natural gas in the kitchens of households (c) Installation of CNG kits in motor-cars (d) Installation of water meters in urban households Official key: A.

UPSC Civil Services Prelims 2016 · General Studies · 2 marks · Current Affairs and GK
Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation**(a) Official key**

Household solar production and use. **Net metering** credits a consumer for surplus rooftop solar (or other DG) exported to the grid against later imports-the policy tool that made small solar viable. That stored letter is the official key.

(b)

Piped natural gas in kitchens. PNG billing is a gas-utility meter, not **net metering**. This letter is not the key.

(c)

CNG kits in cars. Vehicle conversion is unrelated to bidirectional electricity metering. This letter is not the key.

(d)

Urban water meters. Water metering is not called **net metering** in the power-solar sense. This letter is not the key.

Summary

Official key is (a) production and use of solar energy by households/consumers. **Net metering** is a two-way electricity-account for rooftop solar. PNG, CNG kits and water meters are different. Honour the stored letter (a).

Related possible facts

These can be asked in a future Prelims paper.

Net metering

Import minus export on a bidirectional meter

Gross metering

All generation sold at a feed-in tariff; consumption billed separately

MNRE rooftop programme

Grid-connected solar rooftop with state net-metering regulations

DISCOM issue

Daytime export vs evening peak import

Electricity Act / SERCs

State commissions notify net-metering regulations

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