

--Question Starting--

Match the following topics with the most appropriate implications they have on digital policy and governance:

1. Data localization and digital sovereignty
2. Digital divide levels: access, skills, usage, outcome divides
3. Computational propaganda, bots, and astroturfing (Philip N. Howard)
4. Microtargeting and political advertising on platforms
5. Intersectional divides: gender, rural?urban, disability, language

Choose the correct answer from the options given below:

- (1) 1 - Reinforces national control over data, impacting international trade agreements
- 2 - Highlights the layered complexity requiring multi-tiered policy intervention
- 3 - Demonstrates manipulation of information ecosystems to influence public opinion
- 4 - Raises ethical and regulatory challenges in political communication
- 5 - Calls for inclusive policies acknowledging layered social identities

Answer Key: 1, 4, 4, 2, 4

Solution:

? Data localization and digital sovereignty emphasize national control over data, which influences international trade and security policies by aiming to keep critical data within borders, thus reinforcing state sovereignty.

? Microtargeting and political advertising on platforms involve precise data-driven messaging that complicates the regulatory landscape due to privacy concerns and the potential for manipulation, raising complex ethical questions.

? Computational propaganda, bots, and astroturfing manipulate digital environments, often to sway public opinion covertly, exemplifying the need for policies that safeguard information integrity.

? Digital divide levels?access, skills, usage, and outcomes?highlight layered disparities that require nuanced, multi-level policy responses to bridge gaps effectively.

? Intersectional divides?gender, rural?urban, disability, language?necessitate policies that recognize and address multiple overlapping social disadvantages, demanding inclusive and multifaceted approaches.

Hence, the options align with the implications outlined above.

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3. Match the following with their respective technological or societal phenomena:

1. Data localization and digital sovereignty
2. Digital divide levels: access, skills, usage, outcome divides
3. Computational propaganda, bots, and astroturfing (Philip N. Howard)
4. Microtargeting and political advertising on platforms
5. Intersectional divides: gender, rural?urban, disability, language

Choose the correct answer from the options given below:

- (1) 1 - Fragmentation of digital markets and sovereignty assertions
- 2 - Deepening of socio-economic gaps across multiple layers
- 3 - Automation of misinformation campaigns impacting democratic processes
- 4 - Targeted campaigns exploiting user data for political gain
- 5 - Complex social stratifications requiring intersectional policy solutions

Answer Key: 1, 4, 4, 2, 4

Solution:

? Data localization and digital sovereignty lead to fragmented digital markets as nations seek control, impacting global data flows and sovereignty assertions.

? Microtargeting and political advertising leverage detailed user data to craft specific messages, often manipulating perceptions and influencing electoral outcomes.

? Computational propaganda involves automated bots and astroturfing to simulate grassroots support or opposition, affecting democratic discourse.

? Digital divide levels are interconnected, with access disparities cascading into skills, usage, and outcome gaps, necessitating layered policy responses.

? Intersectional divides involve overlapping social disadvantages, requiring policies sensitive to multiple

identities, such as gender and disability combined with rural-urban divides. Hence, the options correctly reflect the phenomena described.

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4. Match the following with their primary analytical focus:

1. Data localization and digital sovereignty
2. Digital divide levels: access, skills, usage, outcome divides
3. Computational propaganda, bots, and astroturfing (Philip N. Howard)
4. Microtargeting and political advertising on platforms
5. Intersectional divides: gender, rural?urban, disability, language

Choose the correct answer from the options given below:

- (1) 1 - Emphasizes control over digital infrastructure and data governance
- 2 - Analyzes layered socio-economic disparities affecting digital inclusion
- 3 - Studies automated influence campaigns on information ecosystems
- 4 - Examines targeted political messaging and its ethical implications
- 5 - Focuses on overlapping social identities influencing digital access and participation

Answer Key: 1, 4, 4, 2, 4

Solution:

? Data localization and digital sovereignty primarily focus on control over data and infrastructure, shaping national policies on digital independence.

? Microtargeting and political advertising analyze the intricacies of personalized messaging, raising questions about transparency and ethical boundaries.

? Computational propaganda involves automated systems that influence public perception, requiring analysis of information ecosystems.

? Digital divide levels are examined to understand disparities at multiple layers, vital for designing inclusive policies.

? Intersectional divides analyze how overlapping social identities influence access and participation, informing equitable digital policy development.

Hence, the options align with the analytical focus described.

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5. Match the following issues with their most significant societal challenge:

1. Data localization and digital sovereignty
2. Digital divide levels: access, skills, usage, outcome divides
3. Computational propaganda, bots, and astroturfing (Philip N. Howard)
4. Microtargeting and political advertising on platforms
5. Intersectional divides: gender, rural?urban, disability, language

Choose the correct answer from the options given below:

- (1) 1 - Balancing national security with open digital markets
- 2 - Addressing multi-dimensional inequalities to ensure equitable digital participation
- 3 - Preventing manipulation and erosion of democratic trust through automated misinformation
- 4 - Ensuring transparency and fairness in targeted political communications
- 5 - Tackling layered social disadvantages that influence digital engagement

Answer Key: 1, 4, 4, 2, 4

Solution:

? Data localization and digital sovereignty challenge balancing national security interests with maintaining open, competitive digital markets, often leading to policy tensions.

? Digital divide issues pose societal challenges in ensuring equitable access and skills, critical for social inclusion.

? Computational propaganda threatens democratic trust by enabling sophisticated misinformation campaigns that manipulate public opinion.

? Microtargeting raises concerns about transparency, fairness, and the potential for electoral manipulation.

? Intersectional divides reflect complex societal disadvantages that impact digital participation, requiring

nuanced policy interventions.
Hence, the options correctly depict the societal challenges associated with each topic.