

Match the following concepts with their implications in the realm of labor and technology:

1. Concept Implication

I. Collective Action Among Platform Workers A. Enhanced user experience through universal design principles

II. Use of Screen Readers and Captions in Technology B. Strategies for targeting specific voter segments

III. Microtargeting in Political Campaigns C. Advocacy for rights and fair treatment in the gig economy

IV. Data Sovereignty and Localization D. Regulations requiring data to be stored within a country's borders

Choose the correct answer from the options given below:

(1) I-C, II-A, III-B, IV-D

(2) I-D, II-C, III-A, IV-B

(3) I-B, II-D, III-C, IV-A

(4) I-A, II-B, III-D, IV-C

Answer Key: 1

Solution:

? Collective Action Among Platform Workers: Refers to the organized efforts by gig workers to negotiate better work conditions and pay, often through algorithmic bargaining.

? Use of Screen Readers and Captions in Technology: These assistive technologies are crucial for inclusive design, ensuring accessibility for users with disabilities.

? Microtargeting in Political Campaigns: Involves the use of data analytics to pinpoint and influence specific groups of voters, tailoring messages to their preferences and behaviors.

? Data Sovereignty and Localization: The practice of storing data within the country it originates from, often implemented to protect privacy and maintain national control over data.

Hence, Option (1) is the right answer.

Match the following technological tools with their primary societal impact:

1. Tool Societal Impact

I. Algorithmic Bargaining for Gig Workers A. Fostering global connectivity and sustained collective identity

II. Social Media in Networked Movements B. Enhanced negotiation power for labor in platform economies

III. Assistive Technologies like UPI 123PAY C. Improving accessibility and transaction ease for all users

IV. Political Advertising Techniques D. Personalized campaign messaging to influence voter behavior

Choose the correct answer from the options given below:

(1) I-D, II-A, III-C, IV-B

(2) I-B, II-A, III-C, IV-D

(3) I-C, II-D, III-B, IV-A

(4) I-A, II-C, III-D, IV-B

Answer Key: 2

Solution:

? Algorithmic Bargaining for Gig Workers: Empowers platform workers by using algorithms to negotiate better terms of employment automatically.

? Social Media in Networked Movements: Plays a crucial role in connecting activists, spreading information, and maintaining a collective identity across geographical boundaries.

? Assistive Technologies like UPI 123PAY: Enhance the usability of financial transactions for a broad audience, including those with physical and visual impairments.

? Political Advertising Techniques: Utilizes data-driven strategies to customize political messages that resonate with individual voter segments.

Hence, Option (2) is the right answer.

Match the following digital phenomena with their corresponding theoretical frameworks:

1. Phenomenon Theoretical Framework

I. Connective Action in Social Movements A. Emphasizes the role of digital platforms in redefining labor negotiations

II. Data Localization Policies B. Centers on national sovereignty and control over domestic digital data

III. Microtargeting Techniques C. Focused on the personalized engagement of voters through data analysis

IV. Collective Bargaining via Algorithms D. Facilitates decentralized, network-based organization and mobilization

Choose the correct answer from the options given below:

- (1) I-D, II-B, III-C, IV-A
- (2) I-C, II-D, III-A, IV-B
- (3) I-B, II-C, III-D, IV-A
- (4) I-A, II-C, III-B, IV-D

Answer Key: 1

Solution:

? Connective Action in Social Movements: Theory by Bennett and Segerberg that explains how digital media supports decentralized, network-based coordination among activists.

? Data Localization Policies: Associated with digital sovereignty, requiring data to be stored physically within the country's boundaries to maintain control and regulatory compliance.

? Microtargeting Techniques: Employ sophisticated data analytics to create highly personalized political messages aimed at specific voter groups.

? Collective Bargaining via Algorithms: Represents a shift in how labor groups organize and negotiate using digital tools, aligning with the concept of algorithmic management in gig and platform economies.

Hence, Option (1) is the right answer.

Match the following digital strategies with their primary focus in civic engagement:

1. Strategy Focus

I. Algorithmic Tools in Labor Negotiation A. Enabling participation in political and social issues through collective actions

II. Digital Campaigns in Elections B. Targeted communication to influence electoral outcomes

III. Online Platforms in Social Movements C. Decentralized mobilization and support for grassroots activism

IV. Data Protection Regulations D. Ensuring the security and sovereignty of personal and national data

Choose the correct answer from the options given below:

- (1) I-C, II-B, III-A, IV-D
- (2) I-D, II-C, III-B, IV-A
- (3) I-A, II-D, III-C, IV-B
- (4) I-B, II-A, III-D, IV-C

Answer Key: 2

Solution:

? Algorithmic Tools in Labor Negotiation: Primarily used in the gig economy to enhance bargaining power and secure better working conditions for platform workers.

? Digital Campaigns in Elections: Focus on microtargeting techniques to tailor messages that resonate with specific voter demographics, aiming to sway their decisions.

? Online Platforms in Social Movements: Essential for fostering connectivity, allowing for widespread participation and the rapid spread of information among activists.

? Data Protection Regulations: Concerned with safeguarding data against unauthorized access and breaches, crucial for maintaining individual and national digital sovereignty.

Hence, Option (2) is the right answer.

Match the following technologies with their impact on accessibility and inclusivity:

1. Technology Impact

I. Screen Readers A. Enhanced access to digital content for users with visual impairments

II. Captioning Services B. Allows hearing-impaired users to access audio and video content

III. Universal Payment Interfaces (UPI) C. Simplified financial transactions accessible to a broader population

IV. Data Localization Measures D. Maintains data within national borders, potentially affecting international service accessibility

Choose the correct answer from the options given below:

- (1) I-A, II-B, III-C, IV-D
- (2) I-C, II-D, III-A, IV-B

(3) I-B, II-D, III-C, IV-A

(4) I-D, II-A, III-B, IV-C

Answer Key: 1

Solution:

? Screen Readers: Provide audio interpretations of text on screens, crucial for individuals who are blind or have low vision, thus allowing them better access to information.

? Captioning Services: Display text versions of spoken words in videos, aiding those with hearing disabilities in understanding audiovisual content.

? Universal Payment Interfaces (UPI): Facilitate easy and inclusive financial interactions, making digital payments accessible to a wider audience, including those with limited tech skills.

? Data Localization Measures: By requiring data to be stored domestically, these measures can influence the availability and performance of international services, impacting global data flow.

Hence, Option (1) is the right answer.