

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. 0421 04 Law 4153

Full Title of Course: Legal Aspects and Ethics of Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                          |    |
|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Draw your own concept on law, act and ordinance with examples. [L2, CLO1]                                                                                | 03 |
|    | (b) | Identify the influence of ethics on law. [L3, CLO1]                                                                                                      | 03 |
|    | (c) | Discuss briefly the role of the Law Commission in the formation process of a new law. [L3, CLO1]                                                         | 04 |
| 2. | (a) | Organize the process of legal actions against deviated and unauthorized construction. [L3, CLO1]                                                         | 04 |
|    | (b) | Determine the amount of compensation as per the Acquisition and Requisition of Immovable Property Act, 2017. [L5, CLO2]                                  | 06 |
| 3. | (a) | Analyze the legal procedure to prepare a master plan for Khulna as per the KDA Act 2018. [L4, CLO2]                                                      | 04 |
|    | (b) | Compile the challenges usually consultants have to deal with while preparing a master plan. [L6, CLO2]                                                   | 06 |
| 4. | (a) | Determine the drawbacks of the Building Construction Rules 1996. [L5, CLO1]                                                                              | 05 |
|    | (b) | Propose your changes in the Building Construction Rules 1996 considering the new contents of the Dhaka City Building Construction Rules 2025. [L6, CLO2] | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                                                                                                                                                       |        |
|----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1. | (a) | Differentiate between morality and ethics in planning practice. [L2, CLO3]                                                                                                                                                                                                                                                                                                            | 02     |
|    | (b) | Explain the major ethical principles in planning and discuss their importance in professional decision-making. [L2, CLO3]                                                                                                                                                                                                                                                             | 04     |
|    | (c) | Evaluate the BIP Code of Ethics in guiding professional conduct and protecting public interest in planning practice. [L5, CLO3]                                                                                                                                                                                                                                                       | 04     |
| 2. | (a) | Explain how deontological and consequentialist approaches can be combined in planning decisions. Illustrate your answer with a relevant example of the “dirty hands” concept. [L4, CLO3]                                                                                                                                                                                              | 04     |
|    | (b) | Suppose Khulna university URP discipline is considering bidding for a government-funded housing project involving green belt and ecologically sensitive areas, although the researcher team believe such development is not in the greater public interest. What should the research team of URP discipline do? Explain using Václav Havel’s concept of “living in truth.” [L5, CLO3] | 04     |
|    | (c) | Critically write the criticisms of Consequentialism as an ethical theory in planning decision-making. [L5, CLO3]                                                                                                                                                                                                                                                                      | 02     |
| 3. | (a) | Discuss the major provisions of the Playground, Open Space and Natural Water Bodies Preservation Act, 2000 and critically evaluate why the Act has not been fully effective in conserving water bodies and open spaces. [L5, CLO2]                                                                                                                                                    | 07     |
|    | (b) | Draw the current structure of water governance in Bangladesh. [L2, CLO3]                                                                                                                                                                                                                                                                                                              | 03     |
| 4. | (a) | Explain the major tactics of the missionary planner in professional planning practice. [L2, CLO3]                                                                                                                                                                                                                                                                                     | 04     |
|    | (b) | Write down the short notes on any three of the following [L2, CLO2]                                                                                                                                                                                                                                                                                                                   | 03×2 = |
|    |     | i) Three stages of persuasion                                                                                                                                                                                                                                                                                                                                                         | 06     |
|    |     | ii) Subjective relativism vs cultural relativism                                                                                                                                                                                                                                                                                                                                      |        |
|    |     | iii) Policy frameworks used by the ministry of Water Resources                                                                                                                                                                                                                                                                                                                        |        |
|    |     | iv) BIP vs AICP                                                                                                                                                                                                                                                                                                                                                                       |        |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4133

Full Title of Course: Climate Adaptive Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                        |    |
|----|-----|--------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | How are countries held accountable under the Paris Agreement?                                          | 05 |
|    | (b) | What are the major pros and cons of Paris Climate Change Agreement?                                    | 05 |
| 2. | (a) | How we can translate climate science into policy response?                                             | 05 |
|    | (b) | Discuss the regional impacts of climate change in the developing world.                                | 05 |
| 3. | (a) | Briefly discuss the key climate negotiations from 1972 to 2022.                                        | 05 |
|    | (b) | Critically discuss the major features of the Glasgow Climate Pact.                                     | 05 |
| 4. | (a) | What are the major features of the general circulation model? – Explain with illustrations.            | 05 |
|    | (b) | Develop a business model for local carbon trading that incorporates necessary graphical illustrations. | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                       |    |
|----|-----|---------------------------------------------------------------------------------------|----|
| 1. | (a) | Discuss infrastructural and institutional maladaptation with examples.                | 04 |
|    | (b) | How adaptation pathway approach can cure maladaptation? – Explain with illustrations. | 06 |
| 2. | (a) | Briefly describe the principles of locally led adaptation.                            | 05 |
|    | (b) | “Climate justice is social justice” – do you think so? Justify your position.         | 05 |
| 3. | (a) | Describe the ‘Infinity Knot’ of climate and development.                              | 05 |
|    | (b) | How the coastal inhabitants of Bangladesh are adapting to climate change?             | 05 |
| 4. | (a) | Explain the ways to determine fair allocations of carbon budget between countries.    | 05 |
|    | (b) | Discuss the interrelationship between climate risk and poverty.                       | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4111

Full Title of Course: Rural Planning III

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                        |    |
|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Narrate the major challenges of rural development planning in the context of Bangladesh.                                                                                               | 04 |
|    | (b) | Evaluate the performance of different Five-Year Plans implemented in Bangladesh since independence and defend which plan was most significant for agriculture based rural development. | 06 |
| 2. | (a) | Create a concept map/diagram showing your understanding of Rural Non-farm Activities (RNA).                                                                                            | 05 |
|    | (b) | Propose your policies and strategies to develop RNA in rural Bangladesh.                                                                                                               | 05 |
| 3. | (a) | Explain the relationship between migration and stages of urbanization with appropriate figure.                                                                                         | 05 |
|    | (b) | "Minimum Wage Law can create unemployment." Explain the statement with appropriate figure.                                                                                             | 05 |
| 4. |     | Critically review the past RD approaches of Bangladesh since 1971.                                                                                                                     | 10 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                 |    |
|----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | How political institutions and processes affect the local administrations in Bangladesh through politicisation?                                                                 | 05 |
|    | (b) | Critically evaluate the role of NGOs under the existing rural local power structure of Bangladesh.                                                                              | 05 |
| 2. | (a) | Draw a generic analytical framework of social capital assessment.                                                                                                               | 05 |
|    | (b) | How the issues of bridging capital can be institutionalised for accessing different services offered by rural local government institutions?                                    | 05 |
| 3. | (a) | Describe the strategies of growth centre development under My Village My Town project.                                                                                          | 05 |
|    | (b) | Critically evaluate the role of rural local administrative institutions for implementing the strategies of Upazila Development Plan referred in the My Village My Town project. | 05 |
| 4. | (a) | Analyse the major vulnerabilities and shocks faced by forest-dependent and marginalised rural communities and explain their impacts on livelihood sustainability.               | 04 |
|    | (b) | Explain the importance of natural, financial, and physical capital in improving the livelihoods of rural marginalised communities with suitable examples.                       | 03 |
|    | (c) | Design a dummy table to assess the human capital status of marginalised rural communities.                                                                                      | 03 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. 0731 04 URP 4121

Full Title of Course: Urban Governance

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                           |    |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Define urban governance? [L1, CLO1]                                                                                                                                                                                                       | 03 |
|    | (b) | Explain the concept of inclusive city and the normative goals of an inclusive city. [L2, CLO2]                                                                                                                                            | 03 |
|    | (c) | Develop a municipal checklist for preventing corruption and improving accountability. [L6, CLO7]                                                                                                                                          | 04 |
| 2. | (a) | Using a diagram, explain the key power relationships in governance through the concepts of long-route and short-route accountability. [L3, CLO4]                                                                                          | 05 |
|    | (b) | Illustrate and explain the interrelationship among actors and institutions in urban governance using a suitable diagram. [L3, CLO6]                                                                                                       | 05 |
| 3. | (a) | The World Bank has widely used 'good governance' as a benchmark for providing loans to developing countries such as Bangladesh. What are the major features/principles of good governance promoted by the World Bank? [L4, CLO3]          | 03 |
|    | (b) | Describe and compare the three major schools of thought in the debate on the informal sector. [L4, CLO5]                                                                                                                                  | 03 |
|    | (c) | 'Informality is not only related to poverty' - Critically examine this statement with relevant urban examples. [L5, CLO2]                                                                                                                 | 04 |
| 4. | (a) | Discuss the role of justice as a foundational principle in urban governance according to the Just City concept, with particular reference to how equity, democracy, and diversity shape planning decisions and urban outcomes. [L4, CLO3] | 05 |
|    | (b) | In 21st-century Global South cities, how feasible is the 'Just City' agenda in practice? Critically analyze the main challenges and opportunities, and policy/planning strategies for achieving urban justice. [L6, CLO7]                 | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                         |    |
|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Draw a conceptual framework of decentralization. [L6, CLO5]                                                                             | 05 |
|    | (b) | Identify the conditions for effective decentralization in accountability perspectives. [L3, CLO6]                                       | 05 |
| 2. | (a) | Develop an integrated participatory development framework. [L5, CLO4]                                                                   | 05 |
|    | (b) | How social justice can be achieved through better coordination? [L4, CLO6]                                                              | 05 |
| 3. | (a) | Draw the legal framework of intergovernmental financial transfer system. [L4, CLO5]                                                     | 05 |
|    | (b) | Narrate the good practices of fiscal decentralization of Sweden and identify what Bangladesh can learn from these practices. [L5, CLO4] | 05 |
| 4. | (a) | Identify the role of urban planners in fiscal reform. [L5, CLO2]                                                                        | 05 |
|    | (b) | Compare different models of participatory budgeting. [L4, CLO4]                                                                         | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4221

Full Title of Course: Urban Governance

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                |    |
|----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Define urban governance?                                                                                                                                                                                                       | 03 |
|    | (b) | Explain the concept of inclusive city and the normative goals of an inclusive city.                                                                                                                                            | 03 |
|    | (c) | Develop a municipal checklist for preventing corruption and improving accountability.                                                                                                                                          | 04 |
| 2. | (a) | Using a diagram, explain the key power relationships in governance through the concepts of long-route and short-route accountability.                                                                                          | 05 |
|    | (b) | Illustrate and explain the interrelationship among actors and institutions in urban governance using a suitable diagram.                                                                                                       | 05 |
| 3. | (a) | The World Bank has widely used 'good governance' as a benchmark for providing loans to developing countries such as Bangladesh. What are the major features/principles of good governance promoted by the World Bank?          | 03 |
|    | (b) | Describe and compare the three major schools of thought in the debate on the informal sector.                                                                                                                                  | 03 |
|    | (c) | 'Informality is not only related to poverty' - Critically examine this statement with relevant urban examples.                                                                                                                 | 04 |
| 4. | (a) | Discuss the role of justice as a foundational principle in urban governance according to the Just City concept, with particular reference to how equity, democracy, and diversity shape planning decisions and urban outcomes. | 05 |
|    | (b) | In 21st-century Global South cities, how feasible is the 'Just City' agenda in practice? Critically analyze the main challenges and opportunities, and policy/planning strategies for achieving urban justice.                 | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                              |    |
|----|-----|------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Draw a conceptual framework of decentralization.                                                                             | 05 |
|    | (b) | Identify the conditions for effective decentralization in accountability perspectives.                                       | 05 |
| 2. | (a) | Develop an integrated participatory development framework.                                                                   | 05 |
|    | (b) | How social justice can be achieved through better coordination?                                                              | 05 |
| 3. | (a) | Draw the legal framework of intergovernmental financial transfer system.                                                     | 05 |
|    | (b) | Narrate the good practices of fiscal decentralization of Sweden and identify what Bangladesh can learn from these practices. | 05 |
| 4. | (a) | Identify the role of urban planners in fiscal reform.                                                                        | 05 |
|    | (b) | Compare different models of participatory budgeting.                                                                         | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. 0311 04 Econ 4157

Full Title of Course: Natural Resources Management

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- What does 'Balance of Nature' mean? [L1, CLO1] 02
  - Design an integrated urban planning strategy to restore the "balance of nature" in a city environment, incorporating environmental restoration measures and appropriate city planning regulations. Justify how your proposed strategy ensures the co-benefits of environmental management and the well-being of the population. [L5, CLO1] 04
  - Is it necessary to include conservation or preservation strategies in city planning? If so, please provide examples of both approaches. [L5, CLO1] 04
- Identify the dominant strategies for each player (if any) and determine the Nash equilibrium from the given payoff matrix. [L3, CLO2] 05

|      |             |                    |                    |
|------|-------------|--------------------|--------------------|
|      |             | Jack               |                    |
|      |             | Confess            | Not Confess        |
| Fred | Confess     | 8 years / 8 years  | 20 years / 1 years |
|      | Not Confess | 1 years / 20 years | 3 years / 3 years  |

- Define public, private, and community-based property system with examples. Given the declining fisheries resources in the Sundarbans region, explain which type of property regime is the most appropriate for sustainable management to this context. [L4, CLO2] 05
- Analyze with examples, how both formal and informal institutions can constrain poor people from gaining access to natural resources. [L4, CLO2] 06
    - Propose 'pro-poor' institutional arrangements in increasing poor people's access in natural resources. [L6, CLO2] 04
  - In the context of declining natural resources and increasing conflicts over resource use in Bangladesh especially in the fisheries sector, analyze when and why co-management should be considered a resource governance approach. [L4, CLO3] 03
    - Since independence, Bangladesh has operated a state-led natural resource management system, but local governments often lack capacity, and decision-making power remains concentrated in deconcentrated organizations. This has sometimes resulted in decentralized corruption and resource overuse. In contrast, a community-based natural resource management initiative in the south-western districts of Bangladesh empowers poor communities to challenge local authorities and address resource depletion. Given the donor community's interest in scaling this model, how would you design a program to replicate this initiative in other natural resource management contexts? (L6, CLO3) 07

### **Section B**

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                   |    |
|----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | How do different factors influence the success and failure of CBWRM approach? [L4, CLO5]                                                                                                          | 05 |
|    | (b) | Compare between state-governed resource management approach and community-based resource management approach in the context of Hakaluki Haor, Bangladesh. [L5, CLO5]                              | 05 |
| 2. | (a) | Why do we need to consider Ecosystem Services in Urban Planning? [L2, CLO4]                                                                                                                       | 02 |
|    | (b) | How does APA's guidance on sustaining places contribute to developing an effective ecosystem service plan? [L3, CLO4]                                                                             | 03 |
|    | (c) | Develop a model for ecosystem service planning in the Khulna context? How would you integrate ecosystem service contents in the Master Plan and DAP? [L6, CLO4]                                   | 05 |
| 3. | (a) | How would you analyze different types of trade-offs for ecosystem service planning? [L4, CLO4]                                                                                                    | 02 |
|    | (b) | Assess ICZM as Project and Technocentric mindset. [L5, CLO5]                                                                                                                                      | 04 |
|    | (c) | How would you apply the PAPD tool (Participatory Action Plan Development) for managing the natural resources of the coastal region in Khulna? Provide answer with sufficient examples. [L3, CLO5] | 04 |
| 4. | (a) | What have been the most significant outcomes of participatory forest management in terms of biodiversity conservation and community livelihoods? [L5, CLO6]                                       | 05 |
|    | (b) | How can the lessons learned from Participatory Forest Management (PFM) implementation processes and practices contribute to improving forest management in the context of Bangladesh? [L6, CLO6]  | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4131

Full Title of Course: Natural Resources Management

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- What does 'Balance of Nature' mean? 02
  - Design an integrated urban planning strategy to restore the "balance of nature" in a city environment, incorporating environmental restoration measures and appropriate city planning regulations. Justify how your proposed strategy ensures the co-benefits of environmental management and the well-being of the population. 04
  - Is it necessary to include conservation or preservation strategies in city planning? If so, please provide examples of both approaches. 04
- Identify the dominant strategies for each player (if any) and determine the Nash equilibrium from the given payoff matrix. 05

|      |             |         |             |
|------|-------------|---------|-------------|
|      |             | Jack    |             |
|      |             | Confess | Not Confess |
| Fred | Confess     | 8 years | 20 years    |
|      | Not Confess | 1 years | 3 years     |

- Define public, private, and community-based property system with examples. Given the declining fisheries resources in the Sundarbans region, explain which type of property regime is the most appropriate for sustainable management to this context. 05
- Analyze with examples, how both formal and informal institutions can constrain poor people from gaining access to natural resources. 06
    - Propose 'pro-poor' institutional arrangements in increasing poor people's access in natural resources. 04
  - In the context of declining natural resources and increasing conflicts over resource use in Bangladesh especially in the fisheries sector, analyze when and why co-management should be considered a resource governance approach. 03
    - Since independence, Bangladesh has operated a state-led natural resource management system, but local governments often lack capacity, and decision-making power remains concentrated in deconcentrated organizations. This has sometimes resulted in decentralized corruption and resource overuse. In contrast, a community-based natural resource management initiative in the south-western districts of Bangladesh empowers poor communities to challenge local authorities and address resource depletion. Given the donor community's interest in scaling this model, how would you design a program to replicate this initiative in other natural resource management contexts? 07

## **Section B**

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                        |    |
|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | How do different factors influence the success and failure of CBWRM approach?                                                                                                          | 05 |
|    | (b) | Compare between state-governed resource management approach and community-based resource management approach in the context of Hakaluki Haor, Bangladesh.                              | 05 |
| 2. | (a) | Why do we need to consider Ecosystem Services in Urban Planning?                                                                                                                       | 02 |
|    | (b) | How does APA's guidance on sustaining places contribute to developing an effective ecosystem service plan?                                                                             | 03 |
|    | (c) | Develop a model for ecosystem service planning in the Khulna context? How would you integrate ecosystem service contents in the Master Plan and DAP?                                   | 05 |
| 3. | (a) | How would you analyze different types of trade-offs for ecosystem service planning?                                                                                                    | 02 |
|    | (b) | Assess ICZM as Project and Technocentric mindset.                                                                                                                                      | 04 |
|    | (c) | How would you apply the PAPD tool (Participatory Action Plan Development) for managing the natural resources of the coastal region in Khulna? Provide answer with sufficient examples. | 04 |
| 4. | (a) | What have been the most significant outcomes of participatory forest management in terms of biodiversity conservation and community livelihoods?                                       | 05 |
|    | (b) | How can the lessons learned from Participatory Forest Management (PFM) implementation processes and practices contribute to improving forest management in the context of Bangladesh?  | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. 0731 04 URP 4143

Full Title of Course: Municipal Services Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                               |    |
|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | What is the main principle of the Location Allocation Model? [L1, CLO1]                                                                                                                       | 02 |
|    | (b) | Explain the differences between discrete and continuous choice models in location allocation. [L2, CLO2]                                                                                      | 04 |
|    | (c) | “Accessibility is no longer the single most important criterion in planning community service facilities.” Why? Justify your answer with examples. [L4, CLO2]                                 | 04 |
| 2. | (a) | Define welfare maximization models in municipal services planning. [L2, CLO2]                                                                                                                 | 02 |
|    | (b) | What are the basic assumptions of welfare maximization models? [L1, CLO2]                                                                                                                     | 03 |
|    | (c) | Define sensitivity analysis in municipal service planning. Evaluate the usefulness of sensitivity analysis in balancing equity and efficiency in healthcare facility distribution. [L5, CLO3] | 05 |
| 3. | (a) | How do the development drivers of solid waste management vary in developed and developing countries? [L4, CLO2]                                                                               | 04 |
|    | (b) | Why is waste management a global challenge? [L2, CLO2]                                                                                                                                        | 02 |
|    | (c) | Discuss how integrated solid waste management strategies from the Global North can be localized to improve sustainability in Bangladesh’s municipal waste system. [L6, CLO5]                  | 04 |
| 4. | (a) | Define Public Private Partnership (PPP) in the context of urban planning. [L2, CLO2]                                                                                                          | 02 |
|    | (b) | Highlight the key advantages and disadvantages of (PPPs). [L4, CLO2]                                                                                                                          | 04 |
|    | (c) | Illustrate the importance of governance and transparency as essential considerations for successful PPPs in Bangladesh. [L4, CLO1]                                                            | 04 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                     |    |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Analyze how the lack of security of tenure in informal settlements serves as a major barrier to the realization of water and sanitation as human rights. [L4, CLO5]                                                                 | 03 |
|    | (b) | List out some key water related policies and acts with their mandates in water supply provision. [L2, CLO2]                                                                                                                         | 03 |
|    | (c) | Design a strategy to extend the ‘pipe network efficiency frontier’ into the ‘Service Provider Failure Area’ using at least three innovative techniques. [L6, CLO5]                                                                  | 04 |
| 2. | (a) | Which measure is considered more representative comparing the Median Household Income (%MHI) metric and the Hours at Minimum Wage (HM) metric related to the specific hardships faced by low-income households, and why? [L4, CLO3] | 04 |
|    | (b) | How do Increasing Block Tariffs (IBTs) support the concept of essential consumption while potentially disadvantaging large low-income families if not linked to household size? [L3, CLO4]                                          | 03 |
|    | (c) | Explain how the ‘underpricing of urban infrastructure’ serves as catalysts for urban sprawl? [L2, CLO3]                                                                                                                             | 03 |
| 3. | (a) | Defend the following statement:<br>‘Parks and open spaces contribute significantly to the environment and economy’. [L4, CLO4]                                                                                                      | 04 |
|    | (b) | Khulna city corporation is planning to establish a metropolitan park along the Rupsha River. Prepare a situation analysis of Khulna city to help the authority understand the existing condition. [L5, CLO4]                        | 06 |
| 4. | (a) | Compare ‘Square’ and ‘Plaza’ in terms of their primary landscape materials (pavement vs. lawn) and their typical location within the city fabric. [L3, CLO2]                                                                        | 04 |
|    | (b) | Differentiate between ‘option value’ and ‘existence value’ within the context of nonuse values for open space. [L2, CLO2]                                                                                                           | 03 |
|    | (c) | Identify the six specific criteria that define a ‘successful open space.’ [L2, CLO2]                                                                                                                                                | 03 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4141

Full Title of Course: Municipal Services Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                    |    |
|----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | What is the main principle of the Location Allocation Model?                                                                                                                       | 02 |
|    | (b) | Explain the differences between discrete and continuous choice models in location allocation.                                                                                      | 04 |
|    | (c) | “Accessibility is no longer the single most important criterion in planning community service facilities.” Why? Justify your answer with examples.                                 | 04 |
| 2. | (a) | Define welfare maximization models in municipal services planning.                                                                                                                 | 02 |
|    | (b) | What are the basic assumptions of welfare maximization models?                                                                                                                     | 03 |
|    | (c) | Define sensitivity analysis in municipal service planning. Evaluate the usefulness of sensitivity analysis in balancing equity and efficiency in healthcare facility distribution. | 05 |
| 3. | (a) | How do the development drivers of solid waste management vary in developed and developing countries?                                                                               | 04 |
|    | (b) | Why is waste management a global challenge?                                                                                                                                        | 02 |
|    | (c) | Discuss how integrated solid waste management strategies from the Global North can be localized to improve sustainability in Bangladesh’s municipal waste system.                  | 04 |
| 4. | (a) | Define Public Private Partnership (PPP) in the context of urban planning.                                                                                                          | 02 |
|    | (b) | Highlight the key advantages and disadvantages of (PPPs).                                                                                                                          | 04 |
|    | (c) | Illustrate the importance of governance and transparency as essential considerations for successful PPPs in Bangladesh.                                                            | 04 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                          |    |
|----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Analyze how the lack of security of tenure in informal settlements serves as a major barrier to the realization of water and sanitation as human rights.                                                                 | 03 |
|    | (b) | List out some key water related policies and acts with their mandates in water supply provision.                                                                                                                         | 03 |
|    | (c) | Design a strategy to extend the ‘pipe network efficiency frontier’ into the ‘Service Provider Failure Area’ using at least three innovative techniques.                                                                  | 04 |
| 2. | (a) | Which measure is considered more representative comparing the Median Household Income (%MHI) metric and the Hours at Minimum Wage (HM) metric related to the specific hardships faced by low-income households, and why? | 04 |
|    | (b) | How do Increasing Block Tariffs (IBTs) support the concept of essential consumption while potentially disadvantaging large low-income families if not linked to household size?                                          | 03 |
|    | (c) | Explain how the ‘underpricing of urban infrastructure’ serves as catalysts for urban sprawl?                                                                                                                             | 03 |
| 3. | (a) | Defend the following statement:<br>‘Parks and open spaces contribute significantly to the environment and economy’.                                                                                                      | 04 |
|    | (b) | Khulna city corporation is planning to establish a metropolitan park along the Rupsha River. Prepare a situation analysis of Khulna city to help the authority understand the existing condition.                        | 06 |
| 4. | (a) | Compare ‘Square’ and ‘Plaza’ in terms of their primary landscape materials (pavement vs. lawn) and their typical location within the city fabric.                                                                        | 04 |
|    | (b) | Differentiate between ‘option value’ and ‘existence value’ within the context of nonuse values for open space.                                                                                                           | 03 |
|    | (c) | Identify the six specific criteria that define a ‘successful open space.’                                                                                                                                                | 03 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. 0731 04 URP 4113

Full Title of Course: Regional Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                                      |    |
|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Discuss the significance of regional planning in context of achieving national development goals of Bangladesh. [L3, CLO1]                                                                                                                                           | 05 |
|    | (b) | Explain the major determinants of competitive regions and analyze how these factors contribute to regional economic growth and development. [L4, CLO2]                                                                                                               | 05 |
| 2. | (a) | Distinguish between an Aggregate Approach and a Disaggregate Approach in regional forecasting and macroeconomic modeling. [L1, CLO3]                                                                                                                                 | 03 |
|    | (b) | Discuss the criteria regional planners use to delineate a Planning (Programming) Region. Explain how aligning these boundaries with local municipal structures or rural union parishads helps reduce administrative conflicts during plan implementation. [L2, CLO3] | 04 |
|    | (c) | State Francois Perroux's Growth Pole Theory. Differentiate between the geographic concepts of "Spread Effects" and "Backwash Effects" in regional economic development. [L1, CLO2]                                                                                   | 03 |
| 3. | (a) | Discuss critically the mono-centric and poly-centric regional development approaches and the way to address them in regional planning. [L3, CLO2]                                                                                                                    | 04 |
|    | (b) | Why the holistic approach is most evident in the concept of sustainable regional development and how the holism be achieved? Explain critically. [L4, CLO2]                                                                                                          | 06 |
| 4. | (a) | Discuss the implications of Gunner Myrdal's theory of cumulative causation in regional planning to ensure regional development in Bangladesh. [L3, CLO4]                                                                                                             | 05 |
|    | (b) | Discuss the major stages of spatial regional planning and examine their significance in achieving balanced regional development. [L3, CLO2]                                                                                                                          | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
|----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | What are the principal components required to define and evaluate a valid public policy theory? Explain briefly. [L1, CLO1]                                                                                                                                                                                                                                                                                                        | 02 |
|    | (b) | Why is public policy evaluation important for a regional planner when designing long-term spatial development frameworks? [L2, CLO2]                                                                                                                                                                                                                                                                                               | 03 |
|    | (c) | Identify and separate the three distinct components of a valid policy theory using the Bangladesh Economic Zones Act (BEZA) framework as your example. [L4, CLO1]                                                                                                                                                                                                                                                                  | 05 |
| 2. | (a) | Discuss the prospects and challenges of developing a sustainable blue economy in Bangladesh and examine its significance for regional planning and coastal development. [L4, CLO4]                                                                                                                                                                                                                                                 | 06 |
|    | (b) | Write down the constitutional commitments to reduce regional disparity in Bangladesh. [L2, CLO4]                                                                                                                                                                                                                                                                                                                                   | 04 |
| 3. | (a) | The Development Plan for the Benapole-Jashore Highway Corridor aims to capture cross-border trade spillovers. Suppose a regional planning agency designates Jashore as a principal Growth Pole along this corridor. Explain how the propulsive manufacturing industries in this urban core can trigger long-run Spread Effects into surrounding peripheral villages versus pulling resources away via Backwash Effects. [L2, CLO2] | 05 |
|    | (b) | The Divisional Commissioner's Office has historically focused on core public administration and land governance rather than spatial design. Propose how the administrative, technical, and data-monitoring capacity of this office can be structurally re-engineered to act as a powerful intermediary for Regional Planning between national macro-policies and local Upazila Master Plans. [L4, CLO4]                            | 05 |
| 4. | (a) | Narrate and evaluate the short-term and long-term policy measures for the reduction of poverty in lagging region of Bangladesh. [L5, CLO2]                                                                                                                                                                                                                                                                                         | 05 |
|    | (b) | The Annual Development Programme (ADP) allocates funds to distinct sectoral projects (e.g., localized dredging or structural embankments) via isolated line ministries. Critically analyze whether this project-by-project funding structure provides sufficient operational components to execute comprehensive, cross-district Regional River Basin Management as envisioned in the Bangladesh Delta Plan 2100. [L4, CLO3]       | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4211

Full Title of Course: Regional Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                           |    |
|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Discuss the significance of regional planning in context of achieving national development goals of Bangladesh.                                                                                                                                           | 05 |
|    | (b) | Explain the major determinants of competitive regions and analyze how these factors contribute to regional economic growth and development.                                                                                                               | 05 |
| 2. | (a) | Distinguish between an Aggregate Approach and a Disaggregate Approach in regional forecasting and macroeconomic modeling.                                                                                                                                 | 03 |
|    | (b) | Discuss the criteria regional planners use to delineate a Planning (Programming) Region. Explain how aligning these boundaries with local municipal structures or rural union parishads helps reduce administrative conflicts during plan implementation. | 04 |
|    | (c) | State Francois Perroux's Growth Pole Theory. Differentiate between the geographic concepts of "Spread Effects" and "Backwash Effects" in regional economic development.                                                                                   | 03 |
| 3. | (a) | Discuss critically the mono-centric and poly-centric regional development approaches and the way to address them in regional planning.                                                                                                                    | 04 |
|    | (b) | Why the holistic approach is most evident in the concept of sustainable regional development and how the holism be achieved? Explain critically.                                                                                                          | 06 |
| 4. | (a) | Discuss the implications of Gunnar Myrdal's theory of cumulative causation in regional planning to ensure regional development in Bangladesh.                                                                                                             | 05 |
|    | (b) | Discuss the major stages of spatial regional planning and examine their significance in achieving balanced regional development.                                                                                                                          | 05 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | What are the principal components required to define and evaluate a valid public policy theory? Explain briefly.                                                                                                                                                                                                                                                                                                        | 02 |
|    | (b) | Why is public policy evaluation important for a regional planner when designing long-term spatial development frameworks?                                                                                                                                                                                                                                                                                               | 03 |
|    | (c) | Identify and separate the three distinct components of a valid policy theory using the Bangladesh Economic Zones Act (BEZA) framework as your example.                                                                                                                                                                                                                                                                  | 05 |
| 2. | (a) | Discuss the prospects and challenges of developing a sustainable blue economy in Bangladesh and examine its significance for regional planning and coastal development.                                                                                                                                                                                                                                                 | 06 |
|    | (b) | Write down the constitutional commitments to reduce regional disparity in Bangladesh.                                                                                                                                                                                                                                                                                                                                   | 04 |
| 3. | (a) | The Development Plan for the Benapole-Jashore Highway Corridor aims to capture cross-border trade spillovers. Suppose a regional planning agency designates Jashore as a principal Growth Pole along this corridor. Explain how the propulsive manufacturing industries in this urban core can trigger long-run Spread Effects into surrounding peripheral villages versus pulling resources away via Backwash Effects. | 05 |
|    | (b) | The Divisional Commissioner's Office has historically focused on core public administration and land governance rather than spatial design. Propose how the administrative, technical, and data-monitoring capacity of this office can be structurally re-engineered to act as a powerful intermediary for Regional Planning between national macro-policies and local Upazila Master Plans.                            | 05 |
| 4. | (a) | Narrate and evaluate the short-term and long-term policy measures for the reduction of poverty in lagging region of Bangladesh.                                                                                                                                                                                                                                                                                         | 05 |
|    | (b) | The Annual Development Programme (ADP) allocates funds to distinct sectoral projects (e.g., localized dredging or structural embankments) via isolated line ministries. Critically analyze whether this project-by-project funding structure provides sufficient operational components to execute comprehensive, cross-district Regional River Basin Management as envisioned in the Bangladesh Delta Plan 2100.       | 05 |

# Khulna University, Khulna

## Urban and Rural Planning Discipline

4<sup>th</sup> Year, Term-I Examination, Session 2024-2025

Course No. URP 4151

Full Title of Course: Tourism Planning

Full Marks: 60

Time: 3 hours

- The figures in the margin indicate full marks.
- Use separate sheet for each section.

### Section A

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                  |    |
|----|-----|----------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | Define tourism with reference to the motives and acts of travelers. Use necessary diagram to explain.                            | 04 |
|    | (b) | Explain the importance of cooperation among the operators and managers of the components of tourism with appropriate examples.   | 06 |
| 2. | (a) | Discuss the impact of tourism on local economy at Cox's-bazar, Bangladesh. [L2, CLO3]                                            | 05 |
|    | (b) | What does the term 'coopetition' refer to in context of tourism? How can coopetition facilitate economic growth through tourism? | 05 |
| 3. | (a) | 'Tourism promotion stimulates both primary and selective demands'- explain the statement.                                        | 05 |
|    | (b) | Discuss the components of national tourism marketing plans.                                                                      | 05 |
| 4. | (a) | Describe the concept of pro-poor tourism.                                                                                        | 04 |
|    | (b) | Discuss the strategies to promote pro-poor tourism by influencing economic benefits, non-economic impacts and policy reforms.    | 06 |

### Section B

There are **four** questions in this section. Answer any **three** questions.

- |    |     |                                                                                                                                                                                                                                                                  |    |
|----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. | (a) | What is the role of planning in tourism?                                                                                                                                                                                                                         | 02 |
|    | (b) | Who are the key players in tourism planning and management?                                                                                                                                                                                                      | 03 |
|    | (c) | Discuss the roles of government agencies as the key players in tourism planning and management.                                                                                                                                                                  | 05 |
| 2. | (a) | Define eco-tourism and heritage tourism. [L1, CLO2]                                                                                                                                                                                                              | 02 |
|    | (b) | 'Security and safety of tourists are essential for tourism development.' Explain. [L1, CLO3]                                                                                                                                                                     | 04 |
|    | (c) | What types of government assistances are needed to develop tourism in national and local level? [L2, CLO3]                                                                                                                                                       | 04 |
| 3. | (a) | Identify the institutional framework for tourism management in Bangladesh.                                                                                                                                                                                       | 02 |
|    | (b) | Evaluate the role of responsible institutions in promoting Bangladesh as a global tourism destination. To what extent have these institutions been effective in enhancing the country's international tourism image? Justify your answer with relevant examples. | 04 |
|    | (c) | Critically examine the major challenges faced by the Bangladesh Tourism Board in the development and promotion of tourism in Bangladesh.                                                                                                                         | 04 |
| 4. | (a) | Why do we need a National Tourism Policy (NTP)?                                                                                                                                                                                                                  | 02 |
|    | (b) | Write down the implementation strategies of National Tourism Policy (NTP), 2010.                                                                                                                                                                                 | 04 |
|    | (c) | Discuss the role of local government in tourism development with reference to the major barriers to tourism development in Kuakata.                                                                                                                              | 04 |