

L-5/T-2/ARCH

13/05/2024
Date: 20/04/2024

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-5/T-2 B. Sc. Engineering Examinations 2022-2023

Sub: **ARCH 565** (Professional Practice)

Full Marks: 140

Time: 3 Hours

The figures in the margin indicate full marks.

USE SEPARATE SCRIPTS FOR EACH SECTION

SECTION – A

There are **FOUR** questions in this section. Answer any **THREE**.

1. (a) What are the different forms of ownership and association practiced within the construction industry to carry out the architectural service. (7 1/3)
(b) Define the different types of partnership form of practice. State the check list for partnership agreement and critical conditions for terminating the same. (3+13)
2. (a) Describe the different methods to be suggested for selection of the architect for a particular project. (10 1/3)
(b) Dhaka North City Corporation intends to build their head office at Uttara; Illustrate the details of design services under the scope of Architectural services. (13)
3. (a) What are the types of building contract which have been practiced in the industry. State the important factors to be considered while determining the types of building contract. (3+5 1/3)
(b) Explain (with necessary examples) the different types of contract comparing their flexibility and the advantages to fit best for a particular type of construction. (15)
4. Write short notes on the followings (23 1/3)
 - (a) Standard form of agreement
 - (b) Architect's Fee
 - (c) Strict and Vicarious liabilities

SECTION – B

There are **FOUR** questions in this section. Answer **question No. 5** and any other **TWO** from the rest.

5. Discuss briefly about the following methods of procurement of intellectual and professional services. (3×10=30)
 - (a) Single Source Selection (SSS)
 - (b) Quality and Cost Based Selection (QCBS)
 - (c) Selection under a fixed budget

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6. Explain the rules and regulations of open Architectural Design competition organized by IAB. Identify the importance of design competition in the construction industry. **(20)**

 7. (a) Illustrate the process of Two stage tendering method according to the PPR 2008. **(10)**
(b) Interpret the process of Request for Quotation (RFQ) method. **(10)**

 8. Analyze the 'Obligation to the profession' as an architect according to the code of ethics and professional conduct 2010 of IAB. **(20)**
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BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-5/T-2 B. Arch. Examinations 2021-2022

Sub : **HUM 511** (Principles of Management)

Full Marks : 140

Time : 3 Hours

The figures in the margin indicate full marks.

USE SEPARATE SCRIPTS FOR EACH SECTION

SECTION – A

There are **FOUR** questions in this section. Answer any **THREE** questions.

1. (a) "Management is a cyclical as well as systematic process of ensuring effectiveness and efficiency in achieving organizational goal/s". Do you agree with the statement or not? Why? (7 ½)
 - (a) Identify and explain different roles and skills of an effective and efficient manager. (9)
 - (c) Justify whether Management is a Science or Art with appropriate logics. (7)

2. (a) Differentiate 'Scientific Management' from 'Administrative Management' (5 ½)
 - (b) State the 14 principles of modern management offered by Henry Fayol. Are all principles effective for modern organizational management? Justify your answer. (10)
 - (c) What are the main themes of theory "X" and theory "Y"? Which one is most effective for managing people in a Bangladeshi organization? Why? (8)

3. (a) What is organizing? What are the major six elements of organizing structure? (7 ½)
 - (b) What do you mean by job specialization? Discuss different alternatives to job specialization with examples. (8)
 - (c) Differentiate line authority from staff authority. Discuss three major types of interdependence used in coordinating activities. (8)

4. (a) "Need or problem is the basis of motivation". Justify the statement. (8)
 - (b) Show the differences among traditional, human relation, and human resource approaches of motivation. (8)
 - (c) Among content perspective theories of motivation, which one do you think is more realistic and why? (7 ½)

SECTION – B

There are **FOUR** questions in this section. Answer any **THREE** questions.

5. (a) Identify and explain different kinds of managers based on area and level. (7)
 - (b) Explain the formal goal setting process with a diagram. (9)
 - (c) Explain the concepts of 'Management by Objectives, Synergy, Entropy, Open System, and Closed Systems'. (7 ½)

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6. (a) Define plan and planning. Discuss different kinds of plans and goals with examples and diagram. (7)
- (b) "Resistance to change is a barrier to effective goal setting and planning" Do you think so or not? Why? (7 1/3)
- (c) Discuss decision making under certainty, uncertainty, and risk with examples. Differentiate a single-use plan from a standing plan. (9)
7. (a) Differentiate a manager from a leader with appropriate example. Discuss different types of a leader's power. Discuss the concepts of transformational, and charismatic leadership. (9)
- (b) Management Grid is a behavioral approach to leadership. It provides a method for evaluating leadership styles and then training managers to move toward an ideal style of behavior. Keeping these in mind, explain Leadership Grid with appropriate graph and examples. (8)
- (c) Explain the Path-Goal Theory (Evans and House) of leadership. (6 1/3)
8. (a) Explain an ideal controlling process with appropriate diagram. Differentiate a bureaucratic control system from a decentralized control system with examples. (9)
- (b) Discuss different types of control based on levels with appropriate diagram. (8)
- (c) "Controlling is the basis for next planning". Justify the statement. (6 1/3)
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