

L-1/T-2/ARCH

Date : 14/01/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2 B. Arch. Examinations 2010-2011

Sub : ARCH 177 (Music Appreciation)

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. **Question No. 1 is compulsory.**

Answer any **TWO** from the rest.

1. (a) Discuss the similarities between Architecture and Music as forms of Art. (15)
(b) Explain in details the main ingredients of music. (5)
(c) Elaborate on the differences between musical sounds and noise. (10)
2. Melody and Harmony are deeply connected in Western Classical Music – Explain. (20)
3. Elaborate on the major trends of Bengali music during the nineteenth century, connecting them to prevailing social conditions. (20)
4. Write short notes on: (5×4=20)
 - (a) Scale
 - (b) Dhrupad
 - (c) Thumri
 - (d) Orchestra

SECTION – B

There are **FOUR** questions in this section. Answer **Q. No. 8** and any **TWO** from the rest.

5. What are the main features of the musical compositions of Kazi Nazrul Islam? Explain in details. (26)
6. Discuss the works of Rabindranath and their key influences. (26)
7. Folk music of Bangladesh is strongly related to the aspirations of common people – Discuss this concept in details, Explaining the branches of Bengali Folk music. (26)
8. Write short notes on (6×3=18)
 - (a) Charya geeti
 - (b) D. L. Roy
 - (c) Shaktapad geet

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Date : 14/01/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2. B. Arch. Examinations 2010-2011

Sub : ARCH 147 (Art Appreciation)

Full Marks : 140

Time : 3 Hours

The figures in the margin indicate full marks.

USE SEPARATE SCRIPTS FOR EACH SECTION

SECTION – A

There are **FIVE** questions in this section. Answer **Q. No. 1** and any **THREE** from the rest.

1. Describe the major design disciplines with examples. **(25)**

2. Write short notes on any **THREE** of the following: **(5×3=15)**
 - (a) Performing and Performance Art
 - (b) Craft media
 - (c) Tempera
 - (d) Print making

3. Describe briefly the role of 'Design Tools' in planning an Art object. **(15)**

4. Discuss the types of sculpture with necessary illustrations. **(15)**

5. What is visual Art? Mention the major considerable issues to analyse art work in terms of content and organization. **(5+10=15)**

SECTION – B

There are **SIX** questions in this section. Answer **Q. No. 6** and any **THREE** from the rest.

6. (a) Write a short note on the philosophy of 'Zainul Abedin'. **(10+15) = 25**
(b) Mention the names of the four famous painters, whose works exemplify post-impressionistic attitudes. Describe the dominant trends in the works of any one of those painters with examples.

7. Discuss about the contributions of the eminent painters in the development of 'Bengal school of Art' into the institute of Fine Arts of Dhaka University. **(15)**

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8. Explain the major characteristics of 'Impressionism' with examples. **(15)**
9. Briefly discuss the major differences between 'Eastern' and 'Western' art. **(15)**
10. Write short notes on any three: **(15)**
(a) S. M. Sultan (b) Phases of Cubism (c) Neo-classicism (d) Shafiuddin Ahmed

L-1/T-2/ARCH

Date : 19/01/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2 B. Arch. Examinations 2010-2011

Sub : **ARCH 163** (Building and Finish Materials)

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 **Q. No. 1** and any **TWO** from the rest.

1. (a) Briefly discuss the properties of building stones. (10)
(b) Write short notes on: (10)
 - (i) Igneous rocks
 - (ii) Sedimentary rocks
 - (iii) Metamorphic rocks
2. (a) Briefly discuss the characteristics of good bricks. (20)
(b) What are the advantages of steel as a building material? (5)
3. (a) State the different types of cement. (5)
(b) Briefly discuss the factors affecting the properties of concrete. (20)
4. (a) What are the advantages of timber construction? (5)
(b) Draw the section of an exogenous tree showing different parts of it. (5)
(c) Briefly discuss the different methods of seasoning. (15)

SECTION – B

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

5. (a) Describe different types of 'Clay Tiles' used as a finish material in Buildings. Use sketches where necessary. (10)
(b) Explain the application process of Terrazzo and Mosaic floor, and wall finish. (10)
6. (a) Name and describe different commercial forms of glass available for use in Architecture. (15)
(b) Explain with sketches the 'Float Process' of glass manufacturing. (10)

Contd P/2

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7. (a) Define paint and its constituent parts. (5)
- (b) Describe the following properties in paint: (4×3=12)
- (i) Hiding Power
 - (ii) Particles shape and size
 - (iii) Extender Pigments
- (c) Describe different types of clear coatings used to protect wooden surfaces. (8)
8. Write short notes on the following (any five): (5×5=25)
- (a) Baked enamel paint
 - (b) Vitrification
 - (c) Pavers
 - (d) Paint Pigment
 - (e) Artificial Patent Stone Floor finish
 - (f) Constituents of Plate Glass
 - (g) Glass Fibre
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L-1/T-2/ARCH

Date : 25/01/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2 B. Arch. Examinations 2010-2011

Sub : **ARCH 133** (Environment and Design I : Climate and Design)

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 **Q. No. 1** and any **TWO** from the rest.

1. Write short notes on any two from the following: **(10+10=20)**
 - (a) Passage of Radiation through Atmosphere
 - (b) Bio Climatic Chart
 - (c) Heat Exchange of Buildings
2. Elaborate the factors of site climate with annotated sketches. **(25)**
3. Mention the attributes of Hot Dry and Warm Humid climate. **(25)**
4. Discuss Heat Exchange of Human body and thermal comfort. **(25)**

SECTION – B

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

5. Write short notes on any two from the following: **(10+10=20)**
 - (a) Control of openings
 - (b) Sunpath Diagram
 - (c) Wind Tower
 6. Elaborate the key principles of passive cooling with examples of our climatic context. **(25)**
 7. Discuss the concept and planning for arrangement of built forms considering air movement. **(25)**
 8. Discuss vernacular architecture with one example of our context illustrating principles of shading device. **(25)**
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L-1/T-2/ARCH

Date: 31/01/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2 B. Arch. Examinations 2010-2011

Sub : ARCH 143 (Art and Architecture)

Full Marks : 140

Time : 3 Hours

The figures in the margin indicate full marks.

USE SEPARATE SCRIPTS FOR EACH SECTION

SECTION – A

There are **FIVE** questions in this Section. Answer Q. No. 1 and any **THREE** from the rest.

1. Write notes on any three of the followings: **(3×8 1/3 = 25)**
 - (a) Basilican church
 - (b) City of Byzantine
 - (c) Byzantine Dome
 - (d) Pisa Cathedral

2. (a) State the architectural characteristics of Early Christian Period with relevant examples and sketches. **(15)**

3. "Squent Sophia is seen as the perfect expression of Bayzantine Style;" Explain with relevant sketches. **(15)**

4. Compare the architectural characteristics of English Gothic Period with the French Gothic Perod. **(15)**

5. Briefly describe the Evaluation of English Gothe Vaulting system with relevant sketches. **(15)**

SECTION – B

There are **FIVE** questions in this Section. Answer Q. No. 6 and any **THREE** from the rest.

6. Write short notes on (Any three): **(3×8 1/3 = 25)**
 - (a) 'Humanism in Renaissance period
 - (b) The giant orders of St. Peters Rome.
 - (c) Dome of Florence Cathedral
 - (d) The Ceiling of Sistine Chapel
 - (e) The Last Supper

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7. State the architectural characteristics of the Renaissance Period in Europe that makes it different from the Romanesque and Gothic styles. **(15)**

 8. What is 'Palladian Motif'? Discuss Andrea Palladio' style and attitude towards architecture with respect to his design "Villa Rotonda". **(15)**

 9. Give example of Michael Angelo's architecture, painting and sculpture to explain his style. **(15)**

 10. Elaborate the term 'Renaissance Man'. Illustrate the work of 'Leonardo da Vinci' as a true 'Renaissance Man'. **(15)**
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L-1/T-2/ARCH

Date : 07/02/2012

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA

L-1/T-2 B. Arch. Examinations 2011-2012

Sub : ARCH 173 (Society and Architecture of Bengal)

Full Marks : 140

Time : 3 Hours

The figures in the margin indicate full marks.

USE SEPARATE SCRIPTS FOR EACH SECTION

SECTION – A

There are **FIVE** questions in this Section. Answer Q. No. **5** and any **THREE** from the rest.

1. What are the basic planning features of a Vedic city? Describe the Foundation Elements of the city wall, decorative features of main buildings of Pataliputra city of Chandragupta Maurya. (17)
2. Explain the layout plan of Nalanda Vishavidyalaya. Mention the number of students, method of teaching, revenue earning and expenses etc. of this institution. (17)
3. Why it was necessary to make changes in the various construction stages of Shalban Vihara? Explain the floor plans with neat sketches. (17)
4. Describe how the design concept in relation to the central shaft, mandapas, ante chambers and ambulatory path was possibly evolved in the central temple of Paharpur Vihara. (17)
5. Write short notes on: (19)
 - (i) Dipankar Srigan Atish
 - (ii) Contribution of Pala scholars in Science and literature
 - (iii) Hiuen Tsang's visit in Bengal
 - (iv) 'Pundravardhan' and 'Varendra'
 - (v) 'Gangaridai' and 'Prasioi'
 - (vi) Charjapada

SECTION – B

There are **FIVE** questions in this Section. Answer Q. No. **6** and any **THREE** from the rest.

6. What are the essential features of an Indian mosque? How do they differ from a typical Bengal mosque? Describe with neat sketches. (19)
7. Draw a plan of Adina Masjid and critically examine its (17)
 - (i) axis and entrance
 - (ii) scale and proportion
 - (iii) central nave

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8. What are the sequence of spacer identified in 'Dakhil Darwaza'. Why it is said to be a fusion of 'Classic ad romantic, with traces of indigenous features'. (17)

 9. Describe the façade treatment in relation to the internal space layout of Ruplal House and the mansion of Rebuti Mohan in old Dhaka. (17)

 10. Describe the central crowing features of crowning Hall in relation to the volumetric composition of the building. What are the elements derived from the Mughaul style in its design. (17)
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