# CLOTHING AND PERSONALITY DEVELOPMENT HSSC-I

*(Pre-Home Economics Group)*

## SECTION – A (Marks 07)

Time allowed: 15 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. *Do not use lead pencil.*

Answer Sheet No. _____

Invigilator Sign. _____

Candidate Sign. _____

**Fill the relevant bubble against each question according to curriculum:**

| Question | A | B | C | D | A | B | C | D |
|---|---|---|---|---|---|---|---|---|
| 1. The fiber having long indefinite length, is known as: | Staple | Filament | Natural | Cotton | ○ | ○ | ○ | ○ |
| 2. No surface design is visible on the _____ weave fabrics. | Plain | Twill | Satin | Basket | ○ | ○ | ○ | ○ |
| 3. _____ balance occurs when one side of a design is the mirror image of the other side. | Formal | Informal | Radial | Vertical | ○ | ○ | ○ | ○ |
| 4. Seasonal care of clothes is carried out most often in Fall and: | Summer | Winter | Spring | Rainy season | ○ | ○ | ○ | ○ |
| 5. _____ is responsible for the smooth flow of the thread. | Thread lever | Foot | Bed | Spool pin | ○ | ○ | ○ | ○ |
| 6. Which kind of personality is modest, shy, timid and does not want to become prominent? | Dramatic | Demure | Dignified | Dainty | ○ | ○ | ○ | ○ |
| 7. Which lines carry the eye across the body? | Vertical | Diagonal | Horizontal | Curved | ○ | ○ | ○ | ○ |

—1HA-II 2371 —

# CLOTHING AND PERSONALITY DEVELOPMENT   HSSC–I
## (Pre-Home Economics Group)

| | |
|---|---|
| Time allowed: 2:00 Hours | Total Marks Sections B and C: 28 |

**Note:** Answer any six parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

## SECTION – B (Marks 18)

**Q. 2   Answer any SIX parts. All parts carry equal marks.**                    ( 6 x 3 = 18 )

(i)     What is the difference between natural and synthetic fiber?

(ii)    Which principle is the focal point or centre of attraction of the design? How can it be used in dress designing?

(iii)   What kind of cloth and accessories express the self-image of dainty personality? Discuss.

(iv)    Which factors need to be considered while planning a functional wardrobe? Name them.

(v)     Which points should be kept in mind while taking the body measurements?

(vi)    Differentiate between plain weave and twill weave.

(vii)   How the dimensions of length and width of line affect the selection of dress for tall and short girls? Discuss briefly.

(viii)  Explain the care of clothes on weekly basis.

(ix)    How is a sewing machine kept in working condition? Discuss briefly.

## SECTION – C (Marks 10)

**Note:   Attempt any TWO questions. All questions carry equal marks.**                    (2 x 5 = 10)

**Q. 3**   What is the importance of colours while selecting cloths for bulky and slim person? Explain.

**Q. 4**   Which fiber is the only natural filament used for textile purpose? Describe its characteristics.

**Q. 5**   Hair is one of the most noticeable features of one's personality. Describe the care of hair in detail.

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# INTRODUCTION TO ART AND DESIGN HSSC-I

*(Pre-Home Economics Group)*

## SECTION – A (Marks 10)

Time allowed: 15 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed.
*Do not use lead pencil.*

حصہ اول لازمی ہے۔ اس کے جوابات اسی صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال منوع ہے۔

Answer Sheet No. _____

ہر سوال کے سامنے دیے گئے، کریکولم کے مطابق درست دائرہ کو پر کریں۔ **Invigilator Sign.** _____

**Fill the relevant bubble against each question according to curriculum:** Candidate Sign. _____

| | Question | A | B | C | D | A | B | C | D |
|---|---|---|---|---|---|---|---|---|---|
| 1. | Lengthwise threads in weaving are: | Weft | Warp | Wavy | Short | ◯ | ◯ | ◯ | ◯ |
| 2. | There are _____ types of design. | Three | Two | Four | Five | ◯ | ◯ | ◯ | ◯ |
| 3. | Most frequent represented animal in Indus seals was: | Unicorn | Horse | Elephant | Cat | ◯ | ◯ | ◯ | ◯ |
| 4. | Who is regarded as a Pioneer of Modern Art in Pakistan? | Rabbia Zuberi | Masood Kohari | Zubaida Agha | Khursheed Gohar | ◯ | ◯ | ◯ | ◯ |
| 5. | The word Ajrak is derived from _____ language. | Latin | Arabic | French | Sindhi | ◯ | ◯ | ◯ | ◯ |
| 6. | Main Salahuddin was born in: | Lahore | Karachi | Kasur | Islamabad | ◯ | ◯ | ◯ | ◯ |
| 7. | Which technique consists of design being evolved by chipping the wood? | Relief carving | Chip carving | Incised carving | Pierced carving | ◯ | ◯ | ◯ | ◯ |
| 8. | Faisal Masjid was built with financial support from Shah Faisal of: | Dubai | Turkey | Pakistan | Saudi Arabia | ◯ | ◯ | ◯ | ◯ |
| 9. | Lahore Fort was almost entirely rebuilt in _____ century. | 15th | 16th | 17th | 18th | ◯ | ◯ | ◯ | ◯ |
| 10. | _____ is the lightness or darkness of an image. | Value | Hue | Chroma | Colour | ◯ | ◯ | ◯ | ◯ |

—1HA-II 2374—

# INTRODUCTION TO ART AND DESIGN  HSSC–I
## (Pre-Home Economics Group)

Time allowed: 2:00 Hours

Total Marks Sections B and C:  40

Note: Answer any eight parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

## SECTION – B (Marks 24)

Q. 2    Answer any EIGHT parts. All parts carry equal marks.                    ( 8 x 3 = 24 )

(i)      Draw and label five colour schemes.

(ii)     Briefly explain structural and decorative design.

(iii)    Enlist types of furniture used in various rooms of a house.

(iv)     Write a short note on Indus Dancing Girl.

(v)      What are the requirements of a Good Decorative Design?

(vi)     What is meant by Space?

(vii)    What is Balance? Enlist its types.

(viii)   Write a short note on subject matter of Indus Seals.

(ix)     Write a short note on Minar-e-Pakistan.

(x)      What is Mirror work? Enlist various techniques of mirror work.

(xi)     Briefly explain weaving.

## SECTION – C (Marks 16)

Note:   Attempt any TWO questions. All questions carry equal marks.            (2 x 8 = 16)

Q. 3    Describe Faisal Masjid in detail.

Q. 4    Enlist Principles of Design. Elaborate any one of them.

Q. 5    Write short notes on any two:

(a)      Shahid Sajjad

(b)      Mian Salahuddin

(c)      Takt-e-Bai

| Version No. | | | |
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**ROLL NUMBER**

# SCIENCE FOR HOME ECONOMICS HSSC-I

*(Pre-Home Economics Group)*
## SECTION – A (Marks 10)
Time allowed: 15 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. *Do not use lead pencil.*

حصہ اوّل لازمی ہے۔ اس کے جوابات اسی صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Answer Sheet No. _____

ہر سوال کے سامنے دیے گئے، کریکولم کے مطابق درست دائرہ کو پر کریں۔ Invigilator Sign. _____

**Fill the relevant bubble against each question according to curriculum:**     Candidate Sign. _____

| Question | A | B | C | D | A | B | C | D |
|---|---|---|---|---|---|---|---|---|
| 1. Which one of the following is present in cell wall of fungi? | Cellulose | Peptidoglycan | Chitin | Glycoproteins | ◯ | ◯ | ◯ | ◯ |
| 2. Where are villi found? | Esophagus | Stomach | Small intestine | Large intestine | ◯ | ◯ | ◯ | ◯ |
| 3. How many moles of molecules are there in 16g oxygen ($O_2$)? | 1 | 0.5 | 0.1 | 2 | ◯ | ◯ | ◯ | ◯ |
| 4. Identify the chemical bond that is present in $MgO$. | Covalent bond | Coordinate covalent bond | Ionic bond | Hydrogen bond | ◯ | ◯ | ◯ | ◯ |
| 5. Bromine has a melting point of $-7°C$ and boiling point of $59°C$. What is the physical state of Bromine at $100°C$? | Solid | Liquid | Gas | Cannot be predicted | ◯ | ◯ | ◯ | ◯ |
| 6. What is the molecular formula of benzene? | $C_6H_{12}$ | $C_6H_5OH$ | $C_6H_6$ | $C_6H_{12}O_6$ | ◯ | ◯ | ◯ | ◯ |
| 7. Which one of the following is **NOT** the part of hindbrain? | Cerebrum | Cerebellum | Pons | Medulla Oblongata | ◯ | ◯ | ◯ | ◯ |
| 8. A globular protein that helps in transport of oxygen in blood is: | Myoglobin | Albumin | Thrombin | Hemoglobin | ◯ | ◯ | ◯ | ◯ |
| 9. In which stage of cell cycle each chromosome is duplicated and so it consists of two chromatids? | $G_1$ | S | M | $G_2$ | ◯ | ◯ | ◯ | ◯ |
| 10. Which one of the following is an organic acid? | $CH_3COOH$ | $H_2CO_3$ | $HCl$ | $HNO_3$ | ◯ | ◯ | ◯ | ◯ |

——1HA-II 2375 ——

# SCIENCE FOR HOME ECONOMICS   HSSC–I

*(Pre-Home Economics Group)*

**Time allowed: 2:15 Hours**                                      **Total Marks Sections B and C:  40**

**Note:** Answer any eight parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

## SECTION – B (Marks 24)

**Q. 2    Answer any EIGHT parts. All parts carry equal marks.**                           ( 8 x 3 = 24 )

(i)     What is the function of mitochondria? Describe its structure as well.

(ii)    Briefly explain the following terms: (Any two)

   (a)    Crossing over   (b)    Phragmoplast   (c)    $G_1$ – Phase of cell cycle

(iii)   Calculate the number of moles of following samples:

   (a)    15 g of $NaCl$    (b)    40g of Sulphur

(iv)    Write main postulates of Bohr's Atomic theory.

(v)     Explain single, double and triple covalent bond with examples.

(vi)    Briefly explain Lowry-Bronsted acid base theory.

(vii)   Briefly explain the following terms:

   (a)    Diffusion    (b)    Effusion    (c)    Boiling point

(viii)  Trace the path of air from the nasal cavity to the alveoli.

(ix)    Differentiate the following:

   (a)    Sclera/Choroid  (b)    Rods/Cones

(x)     a.    What are the four main functions of oral cavity?

   b.    Enlist any two types of blood cells.

(xi)    Write the functions of the following biomolecules: (Any two)

   (a)    Cellulose    (b)    Enzymes    (c)    Cholesterol

## SECTION – C (Marks 16)

**Note:  Attempt any TWO questions. All questions carry equal marks.**                    ( 2 x 8 = 16 )

**Q. 3    a.**    Write in detail the structure and function of stomach.

   **b.**    Describe the fluid-mosaic model of cell membrane.

**Q. 4    a.**    Write in detail the classification of organic compounds.

   **b.**    Enlist four uses of salts.

**Q. 5    a.**    What are fatty acids? Discuss the formation of fats and oils.

   **b.**    Write a comprehensive note on human brain.

—— 1HA-II 2375 ——

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# FUNDAMENTALS OF FOOD & NUTRITION HSSC-I

*(Pre-Home Economics Group)*

## SECTION – A (Marks 10)

Time allowed: 15 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. *Do not use lead pencil.*

حصہ اوّل لازمی ہے۔ اس کے جوابات اسی مطبوعہ پرچے کا حصہ بنا دیے جائیں گے اور تقسیم کرنے والے کو لوٹا دیا جائے۔ لیڈ پنسل کا استعمال منع ہے۔

Answer Sheet No. _____

Invigilator Sign. _____

ہر سوال کے سامنے دیے گئے کریکولم کے مطابق درست دائرہ کو پر کریں۔

**Fill the relevant bubble against each question according to curriculum:**

Candidate Sign. _____

| Question | A | B | C | D | A | B | C | D |
|---|---|---|---|---|---|---|---|---|
| 1. Deficiency disease of _____ is known as Pellagra. | Niacin | Ascorbic acid | Phosphorous | Thiamine | ○ | ○ | ○ | ○ |
| 2. Macronutrients are required in quantity more than _____ mg per day. | 10 | 100 | 1000 | 1500 | ○ | ○ | ○ | ○ |
| 3. Corn is deficient in both _____ and niacin. | Thiamin | Lysine | Tryptophan | Gluten | ○ | ○ | ○ | ○ |
| 4. Liquid fats can be changed into solid fats by process of: | Saponification | Hydrogenation | Emulsification | Rancidity | ○ | ○ | ○ | ○ |
| 5. The heart of wheat is _____ that sprouts to make a new plant when put into ground. | Bran | Germ | Endosperm | Aleurone layer | ○ | ○ | ○ | ○ |
| 6. When meats are roasted or broiled they retain _____ of thiamine. | 60-65 percent | 70-75 percent | 65-70 percent | 70-80 percent | ○ | ○ | ○ | ○ |
| 7. Tartaric acid is found in: | Apples | Tomatoes | Oranges | Cherries | ○ | ○ | ○ | ○ |
| 8. The fresh egg has an air cell of about _____ in depth. | $\frac{1}{4^{th}}$ inch | $\frac{1}{8^{th}}$ inch | $\frac{3}{4^{th}}$ inch | $\frac{2}{3^{rd}}$ inch | ○ | ○ | ○ | ○ |
| 9. Goitrogens are naturally present in food which interferes _____ production. | Thyroxine | Iodine | Tyrosine | Alanine | ○ | ○ | ○ | ○ |
| 10. Dried milk is obtained by evaporating _____ water from fresh milk. | 80-85 percent | 85-90 percent | 95-98 percent | 90-93 percent | ○ | ○ | ○ | ○ |

# FUNDAMENTALS OF FOOD & NUTRITION   HSSC–I
## *(Pre-Home Economics Group)*

**Time allowed: 2:15 Hours**                    **Total Marks Sections B and C:  40**

**Note:**   Answer any eight parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

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### SECTION – B (Marks 24)

**Q. 2**   **Answer any EIGHT parts. All parts carry equal marks.**                    **( 8 x 3 = 24 )**

(i)     Report symptoms of vitamin A deficiency.

(ii)    List down factors affecting Calcium absorption.

(iii)   Differentiate between Hydrogenation and Emulsification.

(iv)    Review factors affecting balanced diet.

(v)     Briefly classify minerals.

(vi)    Describe the term 'Nutrition'.

(vii)   What is understood by the term 'Shortening'?

(viii)  Identify the difference between complete and incomplete proteins with examples.

(ix)    Recall the process of 'Parboiling' and write it briefly.

(x)     State the symptoms of Marasmus.

(xi)    Indicate points to be kept in mind while selecting fruits and vegetables.

### SECTION – C (Marks 16)

**Note:**   **Attempt any TWO questions. All questions carry equal marks.**                    **(2 x 8 = 16)**

**Q. 3**   Describe functions of proteins in detail.

**Q. 4**   Highlight the points to remember while frying. Discuss its impact on cooking.

**Q. 5**   **(a)**     Illustrate composition of an egg.

**(b)**     Write in detail about types of milk.