**MAY ALMIGHTY ALLAH PROTECT US ALL FROM THIS PANDEMIC SITUATION**

**Department of Art & Design**

**IQRA National University**

**MID SEMESTER ASSIGNMENT SPRING 2020**

Course Code: TA-111 Program: BFD, BTD, BID

Course Title: Textile Analysis Module: Semester 1

Prerequisite: None Total Marks: 30

Instructor: Faiza Hassan

Student ID: **16924**

Note: Attempt all questions:

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| **Q. No.** | **Part** | **Question** | **Marks** |
| 1. | **(A)**  a)  b)  c)  d)  e)  **(B)**  a)  b)  c)    d)  e) | **Fill in the blanks:**  A **Twill** weave can easily be identified by its diagonal lines.  The dyes in which extra chemical should be added is known as **adjective.**  The **warp** threads run lengthways in the piece of cloth.  A **loom** is a device used to weave cloth.  **tapestry** woven style sometimes classified as embroidery in textiles.  **Choose the correct answer:**  **Nylon** was the first important early natural based synthetic fiber. (Nylon, Rayon, Acrylic)  **vat dyes** is used for the indigo color of blue jeans.  (Vat dyes, Acid dyes, Reactive dyes)  The procedure in which yarns are twisted together is known as **spinning.**  (Yarn counts, Spun yarn, Spinning)  The filling yarn inserted through the shed by a small carrier device called a **shuttle**  (Harness, Shuttle, Heddle)  Dyes which need extra chemical processes for fastness are known as **adjective** dyes.  (Substantive, Adjective, Fugitive) | 05  05 |
| 2. | **(A)**  Ans.  **(B)**  Ans. | Define weft-faced weave and warp-faced weave?  **Weft-faced Weave:**  The organization of warp threads is completely hidden by the weft threads. It is common in tapestry and rug weaving.  **Warp-faced weave:**  The organization of weft threads is hidden by the warp. By spacing the warp more closely, it can completely cover the weft that binds it, giving a warp faced textile such as rep weave.  Explain substantive dyes and adjective dyes?  **Substantive dyes Definition:**  Only a few natural dyes will take permanently dye fastness without the addition of a mordant. Those dyes are called substantive dyes.  **Examples**  Are annatto seeds, which produce an orange color ; lichens, which produce a range of shades from reddish browns to yellows; and walnut hulls, which produce rich shades of brown.  **Adjective Dyes Definition:**  Many natural dyes are called adjective dyes in that they require a mordant to fix them to the material. A mordant works by combining with the dyestuff to create an insoluble compound.  **Example:**  Of mordant include materials such as alum, sodium chloride and tannic acid. There are many adjective natural dyes which only give a worthwhile color and a good level of wash and light fastness if the fibers are prepared with mordant. The great majority of dyes only give a relatively permanent color if the fibers are mordant. | 05  05 |
| 3. | a)  b)  c)  d)  e)  f)  g)  h)  i)  j) | **True and False:**  A dye that loses its coloring during proper usage is known as a fast dye.**(False)**  Spinning is a device used to weave cloth.**(False)**  Fibers are twisted together to form yarn is known as spinning.**(True)**  The weft thread is wound onto spools called shuttle.**(True)**  Dye is the substances that impart color to materials. **(True)**  Color extracted from a Trumpet Shell fish is red.**(False)**  Polyester is a natural based fiber.**(False)**  Fibers are beaten or matted together to make a weave cloth.**(False)**  Tapestry is a weft-faced weave. **( True)**  The first synthetic dye was discovered by William Henry Perkin. **( True)** | 10 |