**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 |