

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

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Note: Attempt all questions:

Q. No.	Part	Question	Marks
1.	(A)	<b>Fill in the blanks:</b>	05
	a)	A <u>twill</u> weave can easily be identified by its diagonal lines.	
	b)	The dyes in which extra chemical should be added is known as <u>chrome/modrant</u>	
	c)	The <u>warp and weft</u> threads run lengthways in the piece of cloth.	
	d)	A <u>loom</u> is a device used to weave cloth.	
	e)	<u>Tapestry</u> woven style sometimes classified as embroidery in textiles.	
	(B)	<b>Choose the correct answer:</b>	05
	a)	<u>Rayon</u> was the first important early natural based synthetic fiber. (Nylon, Rayon, Acrylic)	
	b)	<u>Vat dyes</u> is used for the indigo color of blue jeans.	

		<p>(Vat dyes, Acid dyes, Reactive dyes)</p> <p>c) The procedure in which yarns are twisted together is known as <b>Spun yarn</b> (yarn counts, spun yarns, Spinning)</p> <p>d) The filling yarn inserted through the shed by a small carrier device called a <b>Shuttle</b> (Harness, Shuttle, Heddle)</p> <p>e) Dyes which need extra chemical processes for fastness are known as <b>Adjective</b> dyes.</p>		
<p>2.</p> <p>3.</p>	<p>(A)</p> <p>(B)</p>	<p><b>Define Weft-faced weave and warp-faced weave?</b></p> <p><b>Weft-faced weave:</b> The weft weave is common in tapestry and rug weaving. The weft refers to the threads that run horizontally on the loom and get woven in front of, and behind the warp.</p> <p><b>Warp-faced weave:</b> The warp refers to the threads are strung vertically on the loom. The weft threads are hidden by the warp. By spacing the warp more closely, it completely covers the weft that binds it, giving a warp faced textile.</p> <p><b>Explain substantive dyes and Adjective dyes?</b></p> <p><b>Substantive Dyes:</b> Substantive dye is a dye used in a process in which dye molecules are attracted by physical forces at the molecular level to the textile. Only a few natural dye fastness with the addition of mordant. These are called substantive dyes. For example; annatto seeds, which produce an orange color; lichens, which produce a range of shades from reddish browns to yellows; and walnuts hulls, which produce rich shades of brown.</p> <p><b>Adjective Dyes:</b> Adjective dyes are those dyes that require use of mordant to bind the color to the fiber. A mordant works by combining with the dyestuff to create an insoluble compound. There are many adjective 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. Some examples of mordant are alum, sodium chloride and tannic acid.</p>		

3.		<p><b>True and False:</b></p> <p>a) A dye that loses its coloring during proper usage is known as a fast dye. <b>False</b></p> <p>b) Spinning is a device to weave cloth. <b>False</b></p> <p>c) Fibers are twisted together to form yarn is known as spinning. <b>True</b></p> <p>d) The weft thread is wound onto spools called shuttle. <b>False</b></p> <p>e) Dye is the substance that impart color to materials. <b>True</b></p> <p>f) Color extracted from a Trumpet shell fish is red. <b>True</b></p> <p>g) Polyester is a natural based fiber. <b>False</b></p> <p>h) Fibers are beaten or matted together to make a weave cloth. <b>True</b></p> <p>i) Tapestry is a weft-faced weave. <b>True</b></p> <p>j) The first synthetic dyes was discovered by William Henry Perkin. <b>True</b></p>		
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