

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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Fill in the blanks:

- 1) A Twill weave can easily be identified by its diagonal lines.
 - 2) The dyes in which extra chemical should be added is known as Chrome or Mordant
 - 3) The Wrap threads run lengthways in the piece of cloth.
 - 4) A Loom is a device used to weave cloth.
 - 5) Tapestry woven style sometimes classified as embroidery in textiles.
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Choose the correct answer:

- 1) Nylon was the first important early natural based synthetic fiber.
(Nylon, Rayon, Acrylic)
 - 2) Vat dyes is used for the indigo color of blue jeans.
(Vat dyes, Acid dyes, Reactive dyes)
 - 3) The procedure in which yarns are twisted together it known as Spun yarn.
(Yarn counts, Spun yarn, Spinning)
 - 4) The filling yarn inserted through the shed by a small carrier device called a Shuttle.
(Harness, Shuttle, Heddle)
 - 5) Dyes which need extra chemical processes for fastness are known as Adjective dyes.
(Substantive, Adjective, Fugitive)
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True and False:

- 1) A dye that loses its coloring during proper usage is known as a fast dye. **(FALSE)**
 - 2) Spinning is a device used to weave cloth. . **(FALSE)**
 - 3) Fibers are twisted together to form yarn is known as spinning. **(TRUE)**
 - 4) The weft thread is wound onto spools called shuttle. . **(FALSE)**
 - 5) Dye is the substances that impart color to materials.**(TRUE)**
 - 6) Color extracted from a Trumpet Shell fish is red.**(TRUE)**
 - 7) Polyester is a natural based fiber. **(FALSE)**
 - 8) Fibers are beaten or matted together to make a weave cloth. **(TRUE)**
 - 9) Tapestry is a weft-faced weave. **(TRUE)**
 - 10) The first synthetic dye was discovered by William Henry Perkin. **(TRUE)**
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QUESTION ANSWER

Q1-Define weft-faced weave and warp-faced weave?

WEFT-FACED WEAVE:

The weft face weave pattern is to bring the weft over two warp threads and under one. ... The cool thing about this weave is that it floats the weft over the warp threads and the more you move down your line, the more the warps are covered.

WARP-FACED WEAVE:

all weaving is interrelation of horizontal threads are called the weft. vertical threads are called the warp. The woven textile on a backstrap loom are called warp-faced weavings

Q2-Explain substantive dyes and adjective dyes?

SUBSTANTIVE DYES:

in a phase in which dye molecules are drawn to the fiber by physical forces at the molecular level, substantive dye is a dye used in. the sum of this attraction

is referred to as "substantivity": the higher the substantivity, the greater the dye's attraction to the fiber.

ADJECTIVE DYES:

Adjective dyes are those colors which require a mordant to bind the color to the fiber. Alkanet or dyer's bugloss (Alkane tinctorial) is a traditional plant source of red dye. Alum (aluminum sulfate) is a naturally occurring basic mordant widely used in the ancient world.
