

Entrance Test for Ph.D. Admission–August 2014 (Textiles and Clothing)

Time: 3hrs.

Date: 8/8/14

Max. marks: 100

Note:(1) In section I and II answers with over writing will not be evaluated.

(2) This question paper contains FOUR sections (13 pages)

(3) Figures on the right indicate marks allotted to each question.

(4) Answer to all questions is to be written in the space provided.

SECTION I

Q 1 Answer in one word/sentence in the space provided. (10x1=10)

- 1) Give a term used for combination of tailored and draped garment.
- 2) Name an electrical cutting device used in the garment industry for cutting many layers of fabric together.
- 3) In the women's fashion industry, the line for summer is displayed in which month?
- 4) Name a factor that can retard the movement of fashion.
- 5) What is the smallest package in which a sewing thread is available?
- 6) Name the traditional female costume of Japan.
- 7) Give another word for 'high fashion'.
- 8) Name a naturally occurring mordant dye.
- 9) What are groups which give colour to the dye are known as?
- 10) What is the standard temperature for testing textiles?

SECTION II

Q 2 Tick mark the most appropriate answer.

(40x1=40)

- 1) Cellulose di-acetate is a
 - (a) natural vegetable fiber
 - (b) natural mineral fiber
 - (c) man made acetate fiber
 - (d) regenerated cellulose fiber

- 2) If the percentage of amorphous region in a fiber is high it will have
 - (a) low flexibility and high strength
 - (b) low strength and high absorbency
 - (c) high absorbency and low flexibility
 - (d) high absorbency and low strength

- 3) A calendar machine usually consists of _____ number of rollers.
 - (a) 2 to 11
 - (b) 3 to 12
 - (c) 4 to 13
 - (d) 5 to 14

- 4) Wet fastness of direct dyes can be improved by
 - (a) dicommaldation
 - (b) diamaldation
 - (c) diamalyazation
 - (d) diazotization

- 5) For printing of protein fiber fabrics, which one of the following cannot be used:
 - (a) acid dye
 - (b) pigment dye
 - (c) reactive dye
 - (d) sulphur dye

- 6) In a weft faced rib weave
 - (a) warp and weft yarns are equal in number
 - (b) number of warp yarns are more than weft yarns
 - (c) number of weft yarns are more than warp yarns
 - (d) none of the above

- 7) _____ weave has derived its name from the name of the city where it originated.
 - (a) jacquard
 - (b) dobby
 - (c) damask
 - (d) tapestry

- 8) The fineness of fiber can be determined by:
- (a) gravimetric and optical methods
 - (b) gravimetric and extension methods
 - (c) optical and extension methods
 - (d) optical and balance methods
- 9) The length to diameter ratio of a fiber may range between
- (a) 2:1 to 5:1
 - (b) 20:1 to 50:1
 - (c) 200:1 to 500:1
 - (d) 2000:1 to 5000:1
- 10) Wicking away perspiration is a special attribute of
- (a) Luminex and olefin
 - (b) Olefin and PLA fiber
 - (c) Tencel and PLA fiber
 - (d) Lurex and Lyocell
- 11) The most common type of selvedge in woven fabrics is
- (a) fringe
 - (b) tuck
 - (c) leno
 - (d) hairpin
- 12) Textiles can be given fire proof finish by
- (a) sodium stannate and ammonium sulphate
 - (b) sodium silicate and ammonium hydroxide
 - (c) sodium carbonate and ammonium sulphate
 - (d) sodium stannate and ammonium hydroxide
- 13) 'Scrooping' finish is given to
- (a) cotton
 - (b) wool
 - (c) silk
 - (d) synthetics
- 14) The first synthetic dye was discovered in
- (a) 1926
 - (b) 1936
 - (c) 1946
 - (d) 1956

- 15) Used as thickener in printing
(a) starch, clay, calcium carbonate
(b) clay, CMC, calcium carbonate
(c) glue, PVA, clay and CMC
(d) starch, CMC, albumen, glue
- 16) "Bale-O-Matic" is a
(a) beating machine
(b) spinning machine
(c) opening machine
(d) blending machine
- 17) If count Nm of a yarn is 30/2 it means
(a) a double ply yarn of 30 meters weighs 1 gm.
(b) a 30 meter yarn weighs 2 gms.
(c) a double ply yarn of 30 meters weighs 30 gms.
(d) a single ply 30 meter yarn weighs 2 gms.
- 18) A plan describing the arrangement of warp yarns in the reed is known as
(a) harness
(b) picking
(c) denting
(d) weaving
- 19) A form that is used to collect responses from samples
(a) questionnaire
(b) open form
(c) response sheet
(d) rank scale
- 20) Experimental research is concerned with
(a) exploration and analysis of a social unit
(b) subjective assessment of attitudes of samples
(c) survey work to get data
(d) manipulation of variables to observe effect
- 21) Nominal, ordinal, equal interval and ratio are
(a) scales of measurement
(b) types of variants
(c) quantitative data
(d) types of schedule

- 22) The purpose of using _____ is to support, reinforce and control areas of the garment
- (a) zipper
 - (b) Velcro
 - (c) lining
 - (d) interlining
- 23) A diagonal front pointed waistline on a dress emphasizes
- (a) length
 - (b) width
 - (c) depth
 - (d) roundness
- 24) _____ is a French word used in fashion field which means 'little shop'
- (a) show room
 - (b) boutique
 - (c) store
 - (d) out shop
- 25) A designer who adopts successful designs of other designers
- (a) high fashion designer
 - (b) name designer
 - (c) stylist designer
 - (d) free lance designer
- 26) Women's ready to wear garments entered the market during
- (a) 1860's
 - (b) 1890's
 - (c) 1930's
 - (d) 1960's
- 27) Garter belts and shape wear fall in the category of
- (a) foundation
 - (b) lingerie
 - (c) lounge wear
 - (d) night wear
- 28) Traditionally which fabric was used as base cloth for phulkari embroidery
- (a) mul mul
 - (b) khaddar
 - (c) matty
 - (d) surpani

- 29) A fiber specially used for active sports wear
- (a) max cool
 - (b) cool max
 - (c) acti max
 - (d) max acti
- 30) Inseam, applied, slashed are types of
- (a) sleeves
 - (b) collars
 - (c) plackets
 - (d) pockets
- 31) A seam line at the centre back is present in
- (a) Polo collar
 - (b) Chinese collar
 - (c) Shawl collar
 - (d) Partial roll collar
- 32) A garment design that reflects the outstanding feature of another design but is not an exact copy is termed as
- (a) fad
 - (b) adaptation
 - (c) classic
 - (d) forecast
- 33) These are made of metal or plastic and worn on middle finger to assist in needle work
- (a) thimble
 - (b) gauge ring
 - (c) streak
 - (d) thumb ring
- 34) Intimate garment industry has _____ season showings
- (a) 2
 - (b) 3
 - (c) 4
 - (d) 5
- 35) _____ was a semi transparent robe worn by Egyptian women.
- (a) corset
 - (b) shanty
 - (c) kalasiris
 - (d) diploidion

- 36) _____ is not an aspect of line
- (a) roundness
 - (b) thickness
 - (c) evenness
 - (d) length
- 37) One clo insulation can be obtained by
- (a) a gents shirt
 - (b) a business suit
 - (c) a cotton night dress
 - (d) a denim jean
- 38) Change in age, marital status and educational level is classified as
- (a) vertical mobility
 - (b) horizontal mobility
 - (c) diagonal mobility
 - (d) stratified mobility
- 39) "Social movements are determined by clothing" was stated by
- (a) Shang Victor
 - (b) Barber Lobel
 - (c) Thorstein Veblan
 - (d) George Dearborn
- 40) Fabrics with very long pile or nap are recognized as
- (a) one way-either way
 - (b) one way
 - (c) either way
 - (d) none way

SECTION III

Give short answers for the following:

(5x5=25)

Q 1(a) What is the importance of determining target group in fashion industry?

(3)

Q 1(b) Discuss any ONE influence of technology on dress design

(2)

Q 2(a) What is the importance of studying ancient costumes?

(3)

Q 2(b) What is the importance of functional design in dress?

(2)

Q 3(a) How does twist of a yarn influence fabric crepe?

(3)

Q 3(b) “Synthetic filaments are stretched in the final manufacturing stage”—Give reasons.

(2)

Q 4(a) At the industry level for garment cutting, on what basis are the number of plies of fabric in the lay determined? (2)

Q 4(b) How does time and temperature influence dyeing? (3)

Q 5(a) How are culture and dress design related? (3)

Q 5(b) Give factors responsible for, intergeneration differences in dress? (2)

SECTION IV

Q 1 Discuss implementation of 'green revolution' in textile industry.

(10)

Q 2 Prepare a detailed research proposal on any ONE of the following areas:

(15)

(a) Changes in clothing attitudes

(b) Finishing of fabrics to make them easy to care