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SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2018

SUBJECT: Home Science

CODE. NO: 9021

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
<u>SECTION A.</u>				
1.	80-100		1	1
2.	d. - Prolonged deficiency of ascorbic acid produces a disease condition called osteoporosis		1	1
3.	Aiz.		1	1
4.	1. Recommended Dietary Allowance 2. Oral Rehydration Solution.		1 1	2
5.	pasteurization Canning.		1 1	2.
6.	Burning paper.		1	1
7.	water proofing		1	1
8.	Research		1	1
9.	Scnder		1	1

Qn. No	Sub Qns	Answer Key/Value Points <u>SECTION B</u>	Score	Total
10.		• Low body weight • Odema • growth failure • muscle wasting • Face looks puffy with Snagging cheeks, swollen eyelids moon face • Mental changes - apathy and irritability. • Mental development is affected. • Scaly pigmentation of skin • Hair becomes thin, dry and brownish or reddish • Anorexia • Diarrhoea may occur due to defective digestion and absorption • Vit A, Vit B complex deficiencies are observed. Any four points can be scored Each point carries $\frac{1}{2}$ marks.		2.

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
11.		<u>Refrigeration</u> Temperature 0°C to 5°C • Temperature is obtained and maintained by means of ice or mechanical refrigeration. <u>Cellar storage</u> • Temperature about 15°C • Temperature is not low enough to prevent the action of many spoilage organisms. [Any other valid points can be scored.]	1	2.
12.		<u>Single yarn</u> - made from staple fibres, uniform look, when amount of twist is increased, it results in interesting effects eg) Crepe yarns.	1	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
		<u>Cord yarn</u> - Composed of two or more ply yarns. For naming cord yarns the number of piles as well as the number of single yarn in those pile is used. Any other valid points can be scored.		2
13.		<u>Yarn Twist</u> • Amount of Twist • Direction of Twist • Degree of Balance Any two points with explanation	1	2.
14.		<u>weft knitting</u>. • One continuous yarn forms courses across the width. • The yarn is fed crosswise to the length of the fabric	1	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
		• Can be done by hand or machine • Can be unravelled ladder does • Knitting needles can work sequentially. • Loops have an open structure. Warp <u>knitting</u>. • Many yarns form wales along length. • The loop forming yarn is fed in direction of the length of the fabric. • Only through machine. • produce straight fabric. • Can not be unravelled, usually not ladder. • Knitting needles always work together as a unit. • Loops have a closed structure. [Any other valid points can be scored.]	1	
				2

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
15.		The term originated from the latin word pilus means hair. These weaves have a soft projecting surface of fibres. One set of yarns called ground warp and weft form the base fabric in plain or twill weave. An extra yarn forms floats which are then cut and brushed to form the pile. • weft pile fabric • warp pile fabric. Any other valid points can be scored.	1	2.
16.		• warp or end • Bias • Fabric count • Balance • Selvedge or Selvage • Grain line. 2 points with explanation. Any other valid points can be scored.	1	2.

Qn. Sl. No.	Sub. Qn.	Answer key / value points	Score	Total
17.		Designs are imprinted on the cloth by engraved copper cylinders or rollers. The rollers rotate in the print paste. The engraved patterns pick up the print paste and transport it to the fabric. Any valid points can be scored.	1 1	2.
18.		During the production of man-made fibres the dye or pigment is added to the solution before it is extruded through the spinnerets in to filaments. Solution dyed materials have excellent colour fastness to light and washing - more expensive Any other valid points can be scored)	1	2
19.		- i Material - ii Educational - iii Social and Cultural Any two with explanation.	1 1	2.

Qn. No.	Sub. Qn.	Answerkey / value points	Score	Total
20.		• It uses a multi-disciplinary approach • It is action oriented. • It is mainly women as its target group • It's results are tangible • It is two way process. • It is a need based programme. • It is family oriented. • It uses a scientific approach. (any other valid points can be scored.)	1 1	2.
21.		SECTION C. • Improves the taste and quality. • Destruction of micro organisms. • Improves digestibility. • Increases variety. • Increases consumption of food. • Increases availability of nutrients. Any other valid points can be scored.	1 1 1	3.
22.		Junk foods damage nerves, digestive organs, brain, liver, heart and kidney • Junk food lacks many nutrients. • Junk food has high concentration of fat which makes one obese. (Any other valid points can be scored.)	1 1	3

Qn No.	Sub Qn	Answer key / value points	Score	Total
23		• Age • Sex • Body size and frame • Physiological status. 3 points with explanation. Any other valid points can be Scored.	1 1 1	3
24		Normocytic anaemia macrocytic anaemia microcytic anaemia with explanation.	1 1 1	3
25		Improper handling Improper storage Inadequate preparation and cooking. Careless packaging Invasion of harmful micro organisms. (with explanation) Any other valid points can be Scored.	1 1 1 1	3

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
26.		1) Filament fibres. • Mono filament • Multifilament. 2) Staple fibres.	1 1 1	3.
27.		• Bleaching gives whiteness to the fabric • It helps in the easy dyeing and printing of the fabric. • Special finishes can easily be given to bleached fabric. • It enhances the quality, absorbency and lustre of the fabric. Any other valid points can be scored.	1 1 1	3
28.		• Improves the appearance • Change the texture of the fabric.		

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
		• Improve the feel. • Improve the drape. • Improve the wearing quality. Any other valid points can be scored.	1 1 1	3.
29.		<u>SECTION D-</u> • prevent constipation. • prevent and treat disease of digestive system. • preventive or therapeutic benefits in irritable bowel syndrome. • Helps to maintain natural friendly bacteria in the large intestine. • Indirectly influence in weight control. • slow down the absorption of glucose from blood. (Any other valid points can be scored)		6

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
30.		• Composition • Structure • Length • Strength • Moisture absorption. • Shrinkage. with explanation. Any other valid points can be scored.		6.
31.		Human relation Empathy. Persuasion. Dialogue Information Influence. with explanation. Any other valid points can be scored.		6.