

ANSWER KEY

..Second. YEAR HIGHER SECONDARY EXAMINATION MARCH 2026

PART-III/III

SUBJECT:HOMESCIENCE.....

CODE NO: ..S.Y..228

VERSION:.....

..60. SCORES

....2.. HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		Body / kinesics	1	1
2		1200	1	1
3		grilling	1	1
4		Nylon	1	1
5		Resist	1	1
6		Silk	1	1
7		Sender	1	1
8	(a) Singeing	- burn the surface lightly	1/2	2
	(b) Water proofing	- Donot allow the entry of water into the fabric	1/2	
	(c) Desizing	- Removal of Sizing	1/2	
	(d) Calendaring	- Remove Wrinkles	1/2	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
9		Rib weave	1	2
		Basket weave	1	
10		Bacteriostatic	1	2
		Bacteriocidal	1	
11		(a) Fructose	1	2
		(b) Sucrose	1	
12.		<p>Three methods in extension teaching.</p> <p>(a) <u>Individual method</u> Method used to contact the target people or learner individually. Greater interpersonal communication and face to face contact are the essence of this method.</p> <p>(b) <u>Group method</u> Method used to contact a group of people which comprises of 5 persons to a maximum of 50 persons. It is very helpful for highlighting a target group embedded</p>	1	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<p>with a specific problem. This method helps to motivate the people in a group to accept change.</p> <p>(c) <u>Mass method</u></p> <p>This teaching method is used for the dissemination of information to a heterogeneous mass of people. No face to face contact is found.</p>	1	3.
13		<ul style="list-style-type: none"> • To add variety to the diet • to make use of food when it is cheap and plentiful and to store it for later use • to make the food available throughout the year 	1 1 1	3.
14		<p><u>Single yarn</u> - made up of filaments or staple fibres.</p> <ul style="list-style-type: none"> • Used for a uniform look eg. Crepe yarns <p><u>Ply yarn</u> - made up of two or more singles example 3 ply, 4 ply.</p> <p>Less flexible, more coarse</p>	1 1	3

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
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Cord yarn: is composed of 2 or more ply yarns. example 3, 2 ply cord yarn represent the use of 3 piles in yarn construction, each composed of 2 single yarn

1

1

15

Carbohydrates are classified based on the number of saccharide group.

1) Monosaccharides

Simplest forms of carbohydrates which cannot be hydrolysed to simpler compounds.

Monosaccharides of nutritional importance are glucose, fructose, and galactose

1

2) Disaccharides

formed by combination of two more monosaccharides with the elimination of one molecule of water. The disaccharides of nutritional importance are sucrose, maltose and lactose

1

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<p><u>polysaccharides</u> are made up of many units of monosaccharides. Nutritional important polysaccharides are starch, dextrins, glycogen and dietary fibre</p>	1	3
16.		<p><u>To keep 'flavour in'</u> When you cook food with or without a covering in a fatty medium. eg: Cutlet, the aroma of the food is enclosed inside the crisp covering</p>	1	
		<p><u>To keep flavour out:</u> Sometimes food is cooked to draw out its flavour into the gravy. eg: mixed vegetable stew</p>	1	3.
		<p>To get maximum nutritive value by using appropriate cooking methods.</p>	1	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
17.		<p>(a) Economic factor: The amount and the kind of food for a family depend on the available income</p> <p>(b) Size and composition of the family: Size A family may vary in its size and composition.</p> <p>(c) <u>Season</u>: With the change in season, the availability of food stuffs and our tastes also change or Food availability, Food acceptance, food habits, lifestyle, availability of time, energy and labour saving devices.</p>	<p>1</p> <p>1</p> <p>1</p>	<p>3</p>
18.		<p>The medium of verbal communication is of three types.</p> <p>① <u>Oral communication</u>. Communication using speech that is understood by all parties.</p>	<p>1</p>	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
19.	<p><u>Written Communication</u> - includes notices, letters, any anything else that can be put into written words and symbols</p>		1	3
	<p><u>Visual Communication</u> Communication through a visual aid and is often described as the conveyance of ideas and information in forms that can be read or looked upon</p>		1	
	Formal education	Extension education.		
	1) The teacher starts with theory and works upto practicals	1) The teacher starts with practicals and may take up theory later on		1
2) It is rigid	(2) It is flexible		1	
3) The teacher has more or less a homogenous audience	3) The teacher has a large and heterogenous audience		1	4
4) Teacher instructs the students	4) Teacher is mainly horizontal		1	
		Any valid four points can be scored.		

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
20		<p>Bonded fabrics are fibre mats held together by adhesives, fusing chemical or thermal means. This are know for their low cost and for the use of any kind of raw material</p> <p>Properties like form, stability, crease resistance, air permeability and stability to washing as well as dry cleaning.</p> <p>It make bonded fabrics ideal for use as interlinings, facing and padding in garments</p> <p>Applications include tissues, diapers, bandages, sanitary towels, disposal napkins, mats, bed pads etc</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4</p>
21		<p><u>Bleaching</u></p> <ol style="list-style-type: none"> ① Gives whiteness to the fabric ② Chemicals used in bleaching disinfects the fabric ③ enhances the quality, absorbency and lustre of the fabric ④ Special finishes can be easily given. <p>{Any 2 valid points can be scored.</p>	<p>1</p> <p>1</p>	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<p><u>Mercerization advantages</u></p> <ol style="list-style-type: none"> ① Fabric become strong and durable ② Absorbency increases ③ Increases glossiness and lustre. ④ Dyed in fast colour. ⑤ Affinity for dyes increases. <p>Any 2 points can be scored.</p>	<p>1 1</p>	<p>4</p>
22		<p><u>High calorie diet</u> - This is normal diet with an increase in the calorie level to 3000 calories or more. This diet are prescribed for under weight, fever, hypothyroidism, and burns.</p> <p><u>High fibre diet</u> - Normal diet with fibre increased to 15-20 mg/day. Mainly used for Constipation and diverticulosis</p>	<p>2</p>	<p>4</p>
23		<p>With the advent of digital printing techniques; Photographic and tonal graphics with multiple shades as well as colours can be printed on textiles</p>	<p>1</p>	

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<ul style="list-style-type: none"> • There is no limitation on repeat size as in the case of traditional printing methods • It offers faster processing speed • High precision printing is possible which is usually a drawback with other forms of printing • Overall cost of production of a sample is cheaper in comparison to the other forms of printing. • It allows the user to print even smaller quantity. Therefore there is no minimum order quantity <p>[Any 4 points can be scored]</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	4

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
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24.

Addition of one or more essential nutrients to food, for the purpose of preventing or correcting a demonstrated nutrient deficiency.

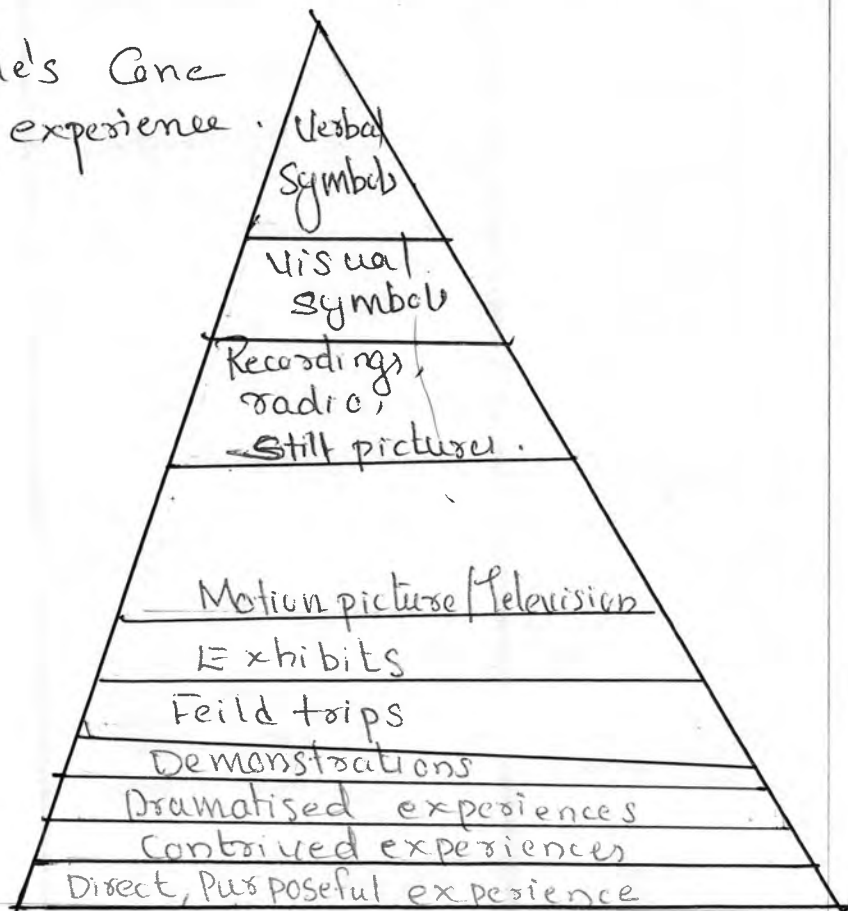
- It contains micronutrients
- Improves nutritional status of a large population of the general population.
- It maintains body stores of nutrients more efficiently and effectively

1
1
1
1

4

25

Dale's Cone of experience



2.

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<p>(a) <u>Direct, purposeful experience</u>. Meaning by doing is the best type of learning. Actual experience is very effective in learning. It represents the reality or the closest to real, everyday life</p>	1	
		<p>(b) <u>Contrived experiences</u> are edited copies of reality. eg. models, mockups, specimens, simulations and games.</p>	1	
		<p>(c) <u>Dramatised experiences</u> It is essentially a process of communication in which both participants and spectators are engaged. eg. dramas, puppet show, role playing</p>	1	
		<p>(d) <u>Demonstration</u> helps to visualize a process that might be difficult to understand completely only through verbal description. It is an act of showing that something exhibit</p>	1	
				6

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
26.		<p style="text-align: center;">Fibres</p> <pre> graph TD Fibres --> Natural Fibres --> Man_made[Man made] Natural --> Vegetable Natural --> Animal Natural --> Mineral Man_made --> Synthetic Man_made --> Regenerated </pre> <p><u>Vegetable fibre</u> - obtained from plants. Raw material is cellulose. It is good absorbent and good conductors of heat and electricity. eg. linen, cotton.</p> <p><u>Animal fibre</u> - obtained from animals. Bad conductors of heat and high resiliency. eg. silk, wool</p> <p><u>Mineral fibre</u> - obtained from minerals. Mainly used in fire proof fabrics and industrial purpose. eg. Asbestos</p> <p><u>Synthetic fibres</u> - These fibres are obtained a series of chemical reactions. Fibres are strong, bad conductor of heat, thermoplastic in nature. eg. Nylon, Polyester.</p> <p><u>Regenerated fibres</u> - Raw materials are from natural sources. eg. Rayon and cellulose acetate</p>	1 1 1 1 1	6

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
27		<p><u>Physical dimension</u> - implies the concept of perfect functioning of the body. State in which every cell and every organ is functioning at optimum capacity and in perfect harmony with the rest of the body</p> <p><u>Mental dimension</u> - state of balance between the individual and the surrounding world, a state of harmony between oneself and others, coexistence between the realities of the self and rest of the people and that of the environment</p> <p><u>Social dimension</u> - The quantity and quality of an individual's interpersonalities and the extent of involvement with the community</p> <p><u>Spiritual dimension</u> - refers to that aspect of the individual which reach out and strives for meaning and purpose in life</p> <p><u>Emotional dimension</u> refers to feelings</p> <p><u>Vocational dimension</u> physical work is usually associated with an improvement in physical activity while goal achievement and self realization in work are source of contentment and enhancement of self esteem</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>6</p>

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<p>Sangella - OC, HSST Home Science Mambaram HSS, Mambaram 610741 PEN: 234459 <u>Sangella</u></p> <p>Sujja - K.C HSST Home Science Cuh HSS Cotton Hill Thiruvananthapuram <u>Sujja</u> PEN 451988</p> <p>Anjana.V (456336) NSB HSS (04043) Manner Alappuzha <u>Anjana</u></p>		