

**MARKING SCHEME
(HOME SCIENCE)
CLASS X**

	SECTION A	
	Fill in the blanks:	
1.	Early childhood stage	1
2.	Egocentrism	1
3.	Washing machine/mixer/grinder/chopper/ any other (anyone)	1
4.	b. To avoid the growth of microorganisms	1
5.	Proteins	1
6.	3020 Kcal.	1
7.	Starch	1
8.	Maximum stretch	1
9.	Recommended Dietary Allowances OR Indian Council of Medical Research	1
10.	 Bleach	1
11.	It shows the age: 10 years	1
12.	ARGEMONE SEEDS	1
13.	b. NaCl OR Metanil yellow	1
14.	c. Teaching underprivileged children	1
15.	a. Money income	1
16.	a. Developing skills at work	1
17.	b. Wearing rings	1

	4. Wear clean clothes. 5. Wash all utensils, chopping boards and knives after use. 6. Any other (any four) OR Four points to be kept in mind while storing leftover food: 1. It should be cooled and packed immediately. 2. It should be reheated and consumed as soon as possible. 3. Food should be covered with tight fitted lids and stored in refrigerator. 4. Raw and cooked items should be stored separately. 5. Foods which absorb flavors stored away from those that give strong flavors. 6. Any other (any four)	$\frac{1}{2} \times 4 = 2$
23.	Mark found on agricultural products: AGMARK 	$1+1=2$
	SECTION C	
24.	Six important factors which she should follow while planning meal for this family are: 1. Age of family members 2. Meal pattern followed by family 3. Number of family members 4. Occupation and activity of family members 5. Availability of food items 6. Food habits of family 7. Sex/Gender 8. Climate condition 9. Budget of family 10. Any other (any six)	$\frac{1}{2} \times 6=3$
25.	Steps to be followed to file a complaint: 1. Send a notice to opposite party by registered post. 2. Fill in the prescribed form of complaint. 3. State all the facts. 4. Attach the bills along with court fee.	3

	5. Submit a notarized affidavit stating that the contents/facts are true. 6. Submit the complaint and court fee in the district forum. OR a. Case will be filled in District forum because the cost of the product is less than 20 lakhs. b. Relief can be given: 1. Removal of defects from the phone. 2. Replacement of mobile phone. 3. Refund of price paid. 4. Compensation for injury/loss suffered. 5. Grant costs incurred. 6. Any other (any two)	1+2=3
	SECTION D	
26.	The kind of fatigue she may suffer from: Psychological fatigue Six ways to reduce the psychological fatigue: 1. Setting small targets as they are easy to achieve. 2. Change in routine to break the monotony. 3. Motivation and incentives makes people feel good. 4. Professional attitude at work 5. Proper planning of work to have realistic schedule. 6. Taking guidance wherever required 7. Developing skills at work provides satisfaction. 8. Any other (any six) OR Four suggestions to maintain a good posture are: 1. For pushing heavy objects, we can crouch and bend knees, keeping our back straight. 2. For drying clothes, basket of washed clothes can be kept on high surface or stool. 3. One should alternate between standing and sitting posture. 4. Long handled broom or mop can be used for cleaning. 5. Bucket of water can be placed on high stool for bathing. 6. Any other (any four)	1 + 3 = 4 1x4=4
27.	a. Tips to maintain personal hygiene of cooks. 1. Wear clean clothes 2. Wash hands properly before cooking and after using toilets.	1/2x4=2

	3. Do not wear dirty footwear in kitchen. 4. Keep nails unpainted and short. 5. Do not lick food. 6. Keep your head covered 7. Any other (any four) b. To keep kitchen insect free. 1. Insecticides should be sprayed. 2. Drains should have cockroach traps. 3. Wire mesh on windows and doors. 4. Adequate lighting in the kitchen. 5. All crevices or grooves should be filled. 6. Any other (any four)	$1/2 \times 4 = 2$ $(2+2=4)$
28.	a. Four responsibilities to tackle the problem of imitation: 1. Read the details on the labels. 2. Check the standard mark for the code and the license number. 3. Scan the bar code with smart phone to know the product name and manufacturer. 4. Refuse to buy damaged packing of products. 5. Buy only sealed and packed products. 6. Any other (any four) b. Government agencies: 1. Ministry of government affairs 2. Grahak Suvidha Kendra 3. FSSAI 4. Bureau of Indian Standards 5. Any other (any two) Non-government agencies: 1. Consumer unity and trust society 2. IFCO 3. Consumer voice 4. Any other (any two)	$1/2 \times 4 = 2$ $(2+2=4)$
29.	Four precautions to be taken while storing woolen garment: 1. Clothes should be hung on rust proof hangers and have enough space in between for aeration. 2. Should not have moisture before storing as it may damage the woolen garment. 3. Food stains should be removed immediately before storing as microorganisms' attack food stains.	$2+2=4$

	4. Naphthalene balls should be kept in the storage container to keep the microorganisms away. 5. Newspapers can be used to pack the clothes and can be used to cover the shelves. Newspaper should be changed occasionally as printer's ink repels grubs and moths. 6. Any other (any four) OR Four points to be checked to ensure good workmanship in a readymade coat: 1. Thread used is strong. 2. Seams interlocked. 3. Well stitched lining. 4. Fasteners sewed on securely. 5. Shoulder paddings are soft and light weight. 6. Any other 7. Any four	2+2=4																		
	SECTION E																			
30.	Five cognitive operations of a 3-year-old child and 7-year-old child. <table border="1"> <tr> <th>3-year-old</th> <th>7-year-old</th> </tr> <tr> <td>Indulges in fantasy and make-believe play.</td> <td>Lives in the world of reality</td> </tr> <tr> <td>Believes all non-living things have feelings and life like qualities.</td> <td>Can differentiate between living and non-living</td> </tr> <tr> <td>Unable to think logically</td> <td>Thoughts are more logical</td> </tr> <tr> <td>Inability to conserve</td> <td>Ability to conserve improves.</td> </tr> <tr> <td>Has no concept of distance and space</td> <td>Know the concept of distance and space</td> </tr> <tr> <td>Limited ability at seriation</td> <td>Better at seriation</td> </tr> <tr> <td>Cannot think steps in the reverse</td> <td>Can reverse their thinking</td> </tr> <tr> <td colspan="2">Any other (any five)</td> </tr> </table> OR Emotional development in early and middle childhood:	3-year-old	7-year-old	Indulges in fantasy and make-believe play.	Lives in the world of reality	Believes all non-living things have feelings and life like qualities.	Can differentiate between living and non-living	Unable to think logically	Thoughts are more logical	Inability to conserve	Ability to conserve improves.	Has no concept of distance and space	Know the concept of distance and space	Limited ability at seriation	Better at seriation	Cannot think steps in the reverse	Can reverse their thinking	Any other (any five)		5
3-year-old	7-year-old																			
Indulges in fantasy and make-believe play.	Lives in the world of reality																			
Believes all non-living things have feelings and life like qualities.	Can differentiate between living and non-living																			
Unable to think logically	Thoughts are more logical																			
Inability to conserve	Ability to conserve improves.																			
Has no concept of distance and space	Know the concept of distance and space																			
Limited ability at seriation	Better at seriation																			
Cannot think steps in the reverse	Can reverse their thinking																			
Any other (any five)																				
		5																		

	Early childhood: 1. Have imaginary friends. 2. Develop a sense of Humour and enjoy acting silly. 3. Start feeling empathy and realize that others too have feelings. 4. Cannot control their impulses. 5. Do not hide their emotions. 6. Emotions are short lived and unpredictable. 7. Any other (any five) Middle childhood: 1. Exhibits their emotions in socially approved way. 2. Better in controlling impulses. 3. Are cheerful and fun loving. 4. Can be stubborn and self- centered. 5. Impatient but not as moody as before. 6. Have fewer fears. 7. Any other (any five)	
31.	Five food groups and major nutrients provided: 1. Whole grain Cereals, millets and tubers: protein, fibers, Vit B complex, Iron, Calcium. 2. Pulses and legumes: Proteins, B complex, vitamins & minerals. 3. Milk and milk products, Eggs, Meat and Fish: Protein, Calcium, Vitamin A, Omega 3 4. Vegetables and fruits: Iron, Vitamin A, Vitamin C, Minerals, Fiber 5. Oils, Fats, Nuts, sugar and jaggery: Fats, Fat soluble vitamins, Essential fatty acids.	5
32.	Give one reason for each of the following: 1. Cotton clothes should be stored away from dampness: they may be affected by mildew. 2. Silk should not be exposed to direct sunlight for long time: silk becomes yellow/discoloration 3. Storage boxes can be lined with newspaper: ink of newspaper repels insects. 4. Safety pins, buckles etc. should be removed from clothes before storing: they may leave rust stain. 5. Rayon should be de-starched before storing: it can be attacked by silverfish.	$1 \times 5 = 5$
33.	a. Four factors which may affect the income of a family are:	$\frac{1}{2} \times 4 = 2$

	1. Skills and talents of family members. 2. Enough Time and energy helps to supplement income. 3. Higher Interest in job increases the efficiency and income. 4. Location of home; e.g. cities have more job opportunities. 5. Investments 6. Assets 7. Any other (any four)	1.5x2=3
	b. Differentiate between money income and real income. Give one example of each. Money income: it is the cash available to a family over a period of time. e.g.. salary, rent, bonus Real income: it is the stream of goods and services available to a family over a period of time. E.g. skills, abilities, community facility.	(2+3=5)
	OR	½ x 4=2
	a. Importance of keeping household records: 1. Helps to know exact amount of the money available to the family. 2. Avoid wasteful expenditures. 3. Serves as a guide for current and future expenses. 4. Help avoid being overcharged. 5. Helps to ensure that money lasts throughout the month. 6. Any other (any four)	½ x 6=3
	b. Six ways to reduce expenditure; 1. Use public transport or carpool. 2. Study on your own and avoid tuitions. 3. Do not buy branded clothes. 4. Borrow books from library instead of buying. 5. Grow vegetables at home. 6. Iron own clothes instead of giving to washer man. 7. Taking home made food in tiffin to school. 8. Making budget and follow that. 9. Any other (any six)	2+3=5)

