

**CLASS X HOME SCIENCE (2020-2021)**  
**MARKING SCHEME**

| S.No. | Value Points                                                                                                                         | Marks                           |
|-------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 1.    | c. Non vegetarian dishes are the only source of protein in one's diet.<br>OR<br>d. Meals planned should be attractive and appealing. | 1<br>OR<br>1                    |
| 2.    | a. Fibre<br>OR<br>c. They are the main source of energy for the body                                                                 | 1<br>OR<br>1                    |
| 3.    | d. All of the above                                                                                                                  | 1                               |
| 4.    | c. Measurement of weighing table                                                                                                     | 1                               |
| 5.    | d. All of the above<br>OR<br>a. Unpredictable                                                                                        | 1<br>OR<br>1                    |
| 6.    | c. Rust<br>OR<br>a. Dye stain                                                                                                        | 1<br>OR<br>1                    |
| 7.    | b. Peak load period                                                                                                                  | 1                               |
| 8.    | d. All of the above<br>OR<br>d. Missed deadlines                                                                                     | 1<br>OR<br>1                    |
| 9.    | a. Below 5° C and above 57°C                                                                                                         | 1                               |
| 10.   | a. Finger food<br>OR<br>d. Light and digestible food                                                                                 | 1<br>OR<br>1                    |
| 11.   | lined, emptied                                                                                                                       | $\frac{1}{2} + \frac{1}{2} = 1$ |
| 12.   | Perishable                                                                                                                           | 1                               |
| 13.   | Food handler/Chef<br>OR<br>Food Hygiene                                                                                              | 1<br>OR<br>1                    |
| 14.   | As food particles may be caught under these/ring might fall                                                                          | 1                               |
| 15.   | a. Exploratory                                                                                                                       | 1                               |
| 16.   | c. Physical                                                                                                                          | 1                               |
| 17.   | b. Passive                                                                                                                           | 1                               |
| 18.   | a. ISI marked                                                                                                                        | 1                               |
| 19.   | d. Wooden puzzle<br>OR<br>b. Rubber toys                                                                                             | 1<br>OR<br>1                    |
| 20.   | a. Should be destarched and dried in air                                                                                             | 1                               |

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| 21. | c. Mildew                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                          |
| 22. | a. Vinegar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                          |
| 23. | a. Silver fish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                                          |
| 24. | d. Argemone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                                          |
| 25. | c. Dropsy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                          |
| 26. | b. Agmark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                          |
| 27. | a. Packed and sealed product                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                          |
| 28. | b. One who purchases goods and avails services                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                            |
| 29. | Four activities in which FSSAI is involved are-<br>1. Give specific standards and guidelines for food articles<br>2. Specifies food labeling<br>3. Collect samples and gets them tested to check for food adulteration<br>4. It issues licenses to food service operators and registers small shops<br>5. Any other (Any four)                                                                                                                                                                        | $1/2 \times 4 = 2$                                         |
| 30. | Oxidizing bleaches<br>Oxygen gets liberated and forms a colourless compound on stain<br>Example-Sunlight/Hydrogen peroxide<br>Reducing bleaching<br>Remove oxygen from the stain and make them colourless.<br>Example-Sodium bisulphate<br>(Any other example)<br><br>OR<br>Detergents should be preferred over soaps as-<br>1. Dissolve in cold and hot water<br>2. Lower the surface tension<br>3. Do not clog the drain<br>4. Do not combine with calcium of hard water<br>5. Any other (Any four) | $1+1=2$<br><br>OR<br>$1/2 \times 4 = 2$                    |
| 31. | Four characteristics of social development of 8 year old child are-<br>1. Enjoy group activities<br>2. Become independent<br>3. Learn to cooperate<br>4. Start sympathizing with others<br>5. Any other (Any four)<br><br>OR<br>Four motor abilities of 3 year old child are-<br>1. Skips<br>2. Balance on tip toe<br>3. Folds paper<br>4. Can ride tricycles<br>5. Any other (Any four)                                                                                                              | $\frac{1}{2} \times 4 = 2$<br><br>OR<br>$1/2 \times 4 = 2$ |

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| 32. | <p>Four practices to be followed to keep the kitchen free from pests-</p> <ol style="list-style-type: none"> <li>1. Insecticides/pesticides should be sprayed periodically.</li> <li>2. Drains should have cockroach traps.</li> <li>3. Windows and doors should be fitted with wire mesh.</li> <li>4. Floors and walls should be without cracks.</li> <li>5. Surfaces should be kept free from grease and cleaned frequently.</li> <li>6. Any other(Any four)</li> </ol> | $1/2 \times 4 = 2$                                  |
| 33. | <p>Four ways to simplify work-</p> <ol style="list-style-type: none"> <li>1. Dovetailing</li> <li>2. Use readymade</li> <li>3. Use labour saving device</li> <li>4. Avoid doing unnecessary work</li> <li>5. Any other(Any four)</li> </ol>                                                                                                                                                                                                                               | $1/2 \times 4 = 2$                                  |
| 34. | <p>Four advantages of meal planning are-</p> <ol style="list-style-type: none"> <li>1. Helps to retain, enhance nutrients and minimize nutrient loss.</li> <li>2. Helps to make food attractive and appetizing.</li> <li>3. Helps in saving time, energy and fuel.</li> <li>4. Helps to plan low cost nutritious meals within the resources.</li> <li>5. Any other (Any four)</li> </ol>                                                                                  | $1/2 \times 4 = 2$                                  |
| 35. | <p>Two ways with the help of one example to identify an unknown stain are-</p> <ol style="list-style-type: none"> <li>1. Colour-For example, tea stains are brown</li> <li>2. Feel-For example, garment becomes stiff with sugar syrup</li> <li>3. Any other(Any two)</li> </ol>                                                                                                                                                                                          | $1+1=2$                                             |
| 36. | <p>Six factors which would influence a time plan-</p> <ol style="list-style-type: none"> <li>1. Peak load period</li> <li>2. Fixed time activities</li> <li>3. Estimate of time for each activity</li> <li>4. Demands of family</li> <li>5. Help available in family</li> <li>6. Use of labour saving devices.</li> <li>7. Dovetailing</li> <li>8. Any other(Any six)</li> </ol>                                                                                          | $1/x \times 3 = 6$                                  |
| 37. | <p>Two reasons for eating balanced diet are-</p> <ol style="list-style-type: none"> <li>1. Help to maintain body weight</li> <li>2. Provides provision of nutrients to withstand lean period.</li> <li>3. Any other(Any two)</li> </ol> <p>Two food groups missing with its importance-</p> <ol style="list-style-type: none"> <li>1. Milk /meat/egg and its product-<br/>It provides protein</li> </ol>                                                                  | $1+2=3$<br>$1/x \times 2 = 1$<br>$1/2 \times 4 = 2$ |

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|       | <div>2.Vegetables and fruits-<br/>They provide vitamins , minerals and fibre</div> <div>OR</div> <div>A balanced meal for the family and categorise food items included in it according to food groups-</div> <table><tr><td>Meal</td><td>MENU</td></tr><tr><td>LUNCH</td><td>Rajma<br/>Mix vegetable<br/>Rice<br/>Green salad<br/>Pineapple custard</td></tr></table> <div>1.Cereals,millet and tubers-Rice<br/>2.Pulses and Legumes-Rajma<br/>3.Milk and its products-Custard<br/>4.Vegetables and Fruits-Mix vegetable, green salad, Pineapple<br/>5.Fats and sugars-Oil is used in preparation in Rajma and mix vegetable, Sugar is added in custard<br/>(Any other meal and categorization of food items)</div> | Meal                                            | MENU | LUNCH | Rajma<br>Mix vegetable<br>Rice<br>Green salad<br>Pineapple custard | <div>OR</div> <div>1+2=3</div> <div>1</div> <div>2</div> |
| Meal  | MENU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |      |       |                                                                    |                                                          |
| LUNCH | Rajma<br>Mix vegetable<br>Rice<br>Green salad<br>Pineapple custard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |      |       |                                                                    |                                                          |
| 38.   | <div>Misleading information-</div> <div>1.Some products are packaged in similar packets<br/>2.While advertising some manufactures give exaggerated picture of products<br/>3.Shopkeepers don't give complete information about the products<br/>4.Labels are not complete<br/>5.Any other(Any four)</div>                                                                                                                                                                                                                                                                                                                                                                                                            | 1x4=4                                           |      |       |                                                                    |                                                          |
| 39.   | <div>Comparison of Physical features in a teenage boy and girl-</div> <div>1. Both Increase in height and weight<br/>2. Both Develop adult size hands and feet.<br/>3. Appearance of acne in both.<br/>4. Growth of hair on underarms and pubic areas in both.<br/>5. Growth of sex organs in both.<br/>6. Voice becomes shrill in females and harsh in males.<br/>7. Development of breasts in females and muscles in males.<br/>8. Any other(Any four)</div> <div>OR</div> <div>Emotional characteristics of adolescents-</div> <div>1. Mood swings<br/>2. Intense emotions<br/>3. Self- conscious<br/>4. Rebellious<br/>5. Casual attitude</div>                                                                  | <div>1x4=4</div> <div>OR</div> <div>1X4=4</div> |      |       |                                                                    |                                                          |

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|     | 6. Any other(Any four )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                     |
| 40. | <p>Four precautions to be adopted while removing the stain are-</p> <ol style="list-style-type: none"> <li>1.Remove stain when fresh.</li> <li>2.Effects of chemical should be tested on a hidden corner of the fabric.</li> <li>3.Chemical should be applied from the back of the stained fabric.</li> <li>4.The stain removal should proceed from simple to complex process.</li> <li>5.The stain should be worked in a circular movement starting from outer edge to centre.</li> <li>6.All the reagents should be neutralized.</li> <li>7.Any other(Any four)</li> </ol> <p>Four important points to be kept in mind while storing silk scarf are-</p> <ol style="list-style-type: none"> <li>1.Place should be dry and clean</li> <li>2.Put naphthalene balls</li> <li>3.Scarf should be aired and free from perspiration.</li> <li>4.Any hole/tear should be mended.</li> <li>5.Any other(Any four)</li> </ol> <p>OR</p> <p>Eight precautions to be adopted while removing unknown stain are-</p> <ol style="list-style-type: none"> <li>1.Remove the stain when fresh</li> <li>2. Soak the stain in plain cold water.</li> <li>3.Then soak it in warm soapy water.</li> <li>4.Bleach the stain by exposing it to sunlight.</li> <li>5.Treat the stain with diluted alkaline solution.</li> <li>6.Treat the stain with diluted acid.</li> <li>7.Apply oxidizing bleach.</li> <li>8.Apply reducing bleach.</li> <li>9.Rinse all the chemicals</li> <li>10.Any other(Any eight)</li> </ol> | <p>2+2=4<br/>1/2x4=2</p> <p>1/2x4=2</p> <p>OR<br/>1/2X8=4</p>                                                       |
| 41. | <p>a. Four ways to reduce physiological fatigue-</p> <ol style="list-style-type: none"> <li>1. Taking rest and relax in between continued physical work.</li> <li>2. Divide work in smaller units.</li> <li>3. Alternate between heavy and light activities.</li> <li>4. Use of labour saving devices</li> <li>5. Division of work amongst family member to reduce load.</li> <li>6. Any other(Any four)</li> </ol> <p>b. Arjun is not getting and appreciation for the hard work he is doing in his office because of-</p> <p>(i) Psychological Fatigue</p> <p>(ii) Other four reasons for this type of fatigue:</p> <ol style="list-style-type: none"> <li>1. Repetitive and boring work.</li> <li>2. Personal dislike of work.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>a. <math>\frac{1}{2} \times 4 = 2</math></p> <p>b. 1+2= 3</p> <p>1<br/><math>\frac{1}{2} \times 4 = 2</math></p> |

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|     | 3. Low incentives<br>4. Unfamiliar work<br>5. Unclear instructions<br>6. Failure to satisfy demands<br>7. Any other(Any four)                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |
| 42. | An example for each of factor are-<br>1.Traditions<br>Ex-During navratras people restrict onions and garlic.<br>2.Occassion<br>Ex-Sweets on Diwali/Cakes on christmas<br>3.Gender<br>Ex-Dietary requirement of males is more as compared to females.<br>4.Occupation<br>Ex-Individuals who are involved in light work requires lesser calories as compared to the person doing heavy work.<br>5.Likes and Dislikes<br>Ex-If a person dislikes milk it can given be served in the form of paneer, custard, ice cream, etc.<br>(Any other example for each factor) | 1x5=5 |