MARKING SCHEME CLASS X

HOME SCIENCE (2022-2023)

| S.No. | Value Points | Marks |
|-------|--|----------------|
| 1. | c. Cover it with waterproof bandage | 1 |
| 2. | a. Planning ahead | 1 |
| 3. | c.63° C, 5° C | 1 |
| 4. | c.Finger foods, easy to handle | 1 |
| 5. | a.Milk absorbs strong flavor of cabbage | 1 |
| 6. | b.Middle childhood, Social | 1 |
| 7. | c.Leftover food cannot be used | 1 |
| 8. | a.Peeling vegetables thinly | 1 |
| 9. | a.A – III; B – IV; C- II; D – I | 1 |
| 10. | a.A – III; B – IV; C- II; D – I | 1 |
| 11. | b.ii and iii | 1 |
| 12. | d.iii and iv | 1 |
| 13. | a.Packed and sealed product | 1 |
| 14. | c.Borax | 1 |
| 15. | A.Rust | 1 |
| 16. | b.iv, ii, iii, i | 1 |
| 17. | d.i, iii, iv | 1 |
| 18. | a.Cloth dipped in stain remover rubbed over stain from the outer corner to moving inwards. | 1 |
| 19. | Four factors you will consider while making a time plan- 1.Peak load period 2.Dovetailing 3.Fixed timings activity 4.Demands (Stage) of the family 5.Reasonable estimates of time 6.Sequence of activities 7.Labour saving devices Any other, Any four | ½ x 4= 2 |
| | OR Dovetailing is doing two or more activities simultaneously. An example – Cutting cucumber while boiling rice. Any other example | OR ½ x 4= 2 |
| 20. | Four cognitive abilities typical of a ten-year-old child- 1. Lives in the world of reality | ½ x 4= 2 |





| | 2. Can differentiate hateress littles and man it to other | |
|-----|--|------------|
| | 2. Can differentiate between living and non-living things | |
| | 3. Egocentrism declines | |
| | 4. Logical | |
| | 5. Ability to conserve | |
| | Any other, Any four | |
| | OR | OR |
| | Four features depicting language development of a six-year-old child- | ½ x 4= 2 |
| | 1. Become aware about the phonetics | |
| | 2. Pronunciation improves | |
| | 3. Grammatical correct speech | |
| | 4. Can understand active sentences but not passive | |
| | 5. Uses more verbs than nouns | |
| | Any other, Any four | |
| 21. | Two examples showing family traditions influence meal planning - | 2x1=2 |
| | 1. Due to certain traditions, fasts are observed and certain foods are | |
| | restricted in the meal-during Navratras, some avoid non vegetarian | |
| | foods. | |
| | 2. Some families cook food in coconut oil. | |
| | Any other, Any two | OR |
| | OR | 2x1=2 |
| | Two examples showing likes and dislikes of an individual should be | |
| | considered while planning meals- | |
| | 1. If a person does not like spinach, it can be given in the form of | |
| | pakoras, koftas etc. | |
| | 2. Children usually do not milk, it can be given in the form of curd, | |
| | kheer, etc. | |
| | Any other, Any two | |
| 22. | Two ways to maintain a good posture while working at home- | 2x1=2 |
| | 1. Do not work in static posture, change the posture in between. | |
| | 2. For pushing heavy objects, we should crouch and bend knees, and | |
| | keep the back straight. | |
| | 3. While drying clothes, bucket containing washed clothes should be | |
| | placed on a high school. | |
| | Any other, Any two | |
| 23. | | ½ x 4 = 2 |
| ۷٥. | Four points to be considered while buying grocery items: | /2 X 4 - Z |
| | 1. Food packets should not be torn 2. Tips of food should not be puffed and bulging | |
| | 2. Tins of food should not be puffed and bulging | |
| | 3. Food items should not be rotten and blemished | |
| | 4. Food should be fresh | |
| | 5. Check the standardised marks, manufacturing and expiry date on | |
| | the packets. | |





| | Any other, Any four | |
|-----|--|-----------|
| 24. | Two ways of creating variety in meals are: | ½ x 4 = 2 |
| | Incorporate different methods of cooking | |
| | 2. Choose variety of spices and condiments | |
| | 3. By using different consistency of dishes | |
| | 4. By selecting dishes of different colours | |
| | Any other, Any two | |
| 25. | Four advantages of managing energy are: | 2 X 1 = 2 |
| | Prevents delays and confusion | |
| | 2. Increases the abilities of workers | |
| | 3. More productive work is done in less time | |
| | 4. Finish all work efficiently without feeling tired | |
| | Any other, Any four | |
| 26. | Three activities of FSSAI- | 3X1=3 |
| | 1. Specifies standards and guidelines for food articles. | |
| | 2. Issues licenses to food service operators and registers small vendors | |
| | 3. Give guidelines to other bodies for certification | |
| | 4. Specifies food labeling standards | |
| | Any other, Any three | |
| 27. | a. To remove excessive blue- | 1+2=3 |
| | It should be dipped in plain water with few drops of vinegar or lime | 1 |
| | juice. | |
| | b. The correct method of applying blue- | ½ x 4= 2 |
| | 1.Blue is added in water | |
| | 2.The water is stirred well | |
| | 3. The article is opened and made wet and then dipped in above solution | |
| | 4.The article is squeezed and put in the sun | |
| 28. | Three do's to be followed while maintaining hygiene in the kitchen- | ½ x 6= 3 |
| | 1. Work surfaces, floors and walls should be non-absorbent, | |
| | washable and without cracks. | |
| | 2. Surfaces should be kept free of any infection growing in corners. | |
| | Walls and ceilings must be free from flaking. | |
| | Keep the drains clean and disinfected. | |
| | Any other, Any three | |
| | Three don'ts to be followed while maintaining hygiene in the kitchen- | |
| | No food particle should be left on the surface to rot. | |
| | 2. Open drains should not be there. | |
| | 3. Dustbins should not be overflowing. | |
| | Any other, Any three | |
| | | |





| | DOMNEOIDED TROIT . | inceps.//coseporear.com/ | 1 | | |
|-----|--|---|---------|--|--|
| | OR | OR | | | |
| | Six personal hygiene activities – | ½ x 6= 3 | | | |
| | Bathe daily Hands should be washed the | | | | |
| | 2. Hands should be washed the | | | | |
| | water and bactericidal soap. 3. Wear clean washable and light coloured aprop. | | | | |
| | 3. Wear clean washable and light coloured apron4. Nails should be kept unpainted and trimmed.5. Wear covered shoes | | | | |
| | | | | | |
| | | be worn as particles of food may | | | |
| | accumulate under them. | | | | |
| | 7. Hair should be free from dand | ruff/lice and tied and covered with | | | |
| | an absorbent cap. | | | | |
| | 8. Avoid scratching hair and nose | pricking. | | | |
| | Any other, Any six | | | | |
| 29. | Importance of play in child developme | ent with three examples- | 3x1=3 | | |
| | 1. Physical Development | Blood circulation increases | | | |
| | | Height increases | | | |
| | | Child becomes stronger | | | |
| | 2.Motor Development Better eye and hand co-ordinati | | | | |
| | 3.Cognitive (Mental) Development Child learn about new objects | | | | |
| | Any other, Any three examples | | | | |
| | OF | R | | | |
| | Six points to be kept in mind while se | lecting the toy- | | | |
| | 1. It should not be too small. | | OR | | |
| | 2. Toys should be soft with round | edges and no sharp edges. | ½x6=3 | | |
| | 3. Paints used on the toys should | | | | |
| | 4. Only ISI marked toys should be | bought. | | | |
| | Toys should be bright and colourful /attractive. | | | | |
| | 6. Age-appropriate toys should be | | | | |
| | 7. Toys should not be very noisy. | | | | |
| | Any other, Any six | | | | |
| 30. | a. Two ways to reduce physiological f | atigue- | 1+1+2=4 | | |
| | 1. Rest and relax | | ½x2=1 | | |
| | | 2. Divide work in smaller units | | | |
| | _ | 3. Alternate between heavy and light activities | | | |
| | Any other, Any two | | | | |
| | b. i. Psychological Fatigue | 1 | | | |
| | ii. Four measures the office managem | 1/ v.4 = 2 | | | |
| | 1. Giving rewards | ½x4=2 | | | |
| | 2. Perks | | | | |





| | 3. High pay package | | | | |
|-----|---|---------------------------------|------------------------|--|--|
| | 4. Make the atmosphere | 1. Make the atmosphere pleasant | | | |
| | Any other, Any four | | | | |
| 31. | Four features related to p | 4x1=4 | | | |
| | PHYSICAL FEATURES | GIRLS | BOYS | | |
| | HAIR GROWTH | Growth of hair on | Growth of hair on face | | |
| | | underarms and pubic | underarms, | | |
| | | area | body/chest and pubic | | |
| | | | area | | |
| | VOICE | Voice become shrill | Voice cracks and | | |
| | | | becomes harsh | | |
| | HIPS | Rounded and curvy hips | Lean hips | | |
| | BREAST/MUSCLES | Development of breasts | Development of muscles | | |
| | Any other, Any four | | | | |
| 32. | a. Food Safety: Food safety means an assurance that food is acceptable for human consumption and will not cause any harm. | | | | |
| | b. Three conditions u | 3 x 1= 3 | | | |
| | When food has pre- prescribed. | | | | |
| | 2. When food has he | | | | |
| | 3. When container of | | | | |
| | 4. When food has res | | | | |
| | Any other, Any three | | | | |



| - | DOWNLOADED FROM : Https://tbseportal.com/ | |
|-----|--|---------|
| 33. | i. Milk- | 2+2=4 |
| | 1. Might not measure the milk till the brim | |
| | 2. Might not empty it completely | |
| | 3. Bottom might be raised | |
| | 4. Measuring milk along with froth | |
| | 5.Milk may be adulterated | |
| | Any other, Any two | |
| | ii. Cloth- | |
| | May use bent measuring rod | |
| | 2. Price variation | |
| | 3. Sale tactics | |
| | 4. Selling without bill/cash memo | |
| | 5. Poor/inferior quality of cloth | |
| | Any other, Any two | OR |
| | OR | |
| | a. i. Adulterant in Turmeric powder- | 1+2+1=4 |
| | Metanil yellow | ½x2=1 |
| | Any other, Any one | |
| | ii. Adulterant in Mustard oil- | |
| | Argemone oil | |
| | Any other, Any one | |
| | b. Three ill effects of each of the adulterants- | 1/ 6 2 |
| | Metanil yellow- | ½x6=3 |
| | 1. Cancer | |
| | 2. Anaemia | |
| | 3. Mental Retardation | |
| | 4. Abnormalities in skin, eyes, lung and bones | |
| | Any other, Any three | |
| | Argemone oil- | |
| | 1. Oedema (Swelling) | |
| | 2. Kidney failure | |
| | 3. Enlarged liver | |
| | 4. Blindness | |
| | Any other, Any three | |

| | a. Three precau | tions to be taken | while pla | anning meals- | 1.5+2+1.5 |
|---|--------------------------------|--------------------|---------------|-----------------------|----------------------|
| : | 1. Drink plenty of water | | | 5 | |
| ; | 2. Include protein rich food | | | | |
| | 3. Avoid spicy and fried foods | | | ½x3=1.5 | |
| 4 | 4. Frequent meals | | | | |
| | 5. Avoid strong | flavoured foods | | | |
| 4 | Any other, Any | three | | | |
| | b. Sample Men | u and nutrients: | | | |
| | MEAL | MENU | | NUTRIENTS | |
| | Lunch | Spinach potato | curry | Iron, Vitamin A | 2 (For |
| | | Arhar dal (less | spicy) | Protein | menu) |
| | | Chapati | | Carbohydrates, Fiber | 8 |
| | | Curd | | Protein, Calcium | 1.5 (for 3 |
| | | Green Salad | | Vitamins and Minerals | nutrients) |
| OR Five food groups with one major nutrient present - | | | | | |
| | Food Groups | | Nutrients | | OR |
| | Cereals, grains and products | | Carbohydrates | | |
| | Pulses and Legumes | | Proteins | | 2.5+2.5=5 |
| - | Milk, meat and their products | | Calciun | | ½X5=2.5 |
| Fruits and Vegetables | | Vitamii | | (Food | |
| | Fats and sugar | | Fats | | groups) |
|]] | 1 465 4174 545415 | | | 1/// 2.5 | |
| | | | | | ─ |
| | | nt for each food g | roup | | %X5=2.5 (Nutrient |



| | | 1 |
|-----|--|-------|
| 35. | a. Two possible reasons for the damage- | 2+3=5 |
| | 1. Might have moisture in it | 2x1=2 |
| | 2. Might be starched | |
| | 3. Storage container might be dirty | |
| | 4. Kurta might be dirty. | |
| | 5. There must be dampness in the storage space | |
| | Any other, Any two | |
| | b. Three tips for storing cottons- | 3x1=3 |
| | 1. Should be de-starched before storing. | |
| | 2. Should be stored away from dampness. | |
| | 3. Should be properly dried before storing. | |
| | 4. Storage place/cupboard should be clean. | |
| | Any other, Any three | |

