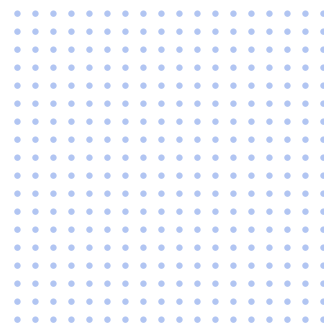




FOR CBSE CLASS 10 PREPARATION

# CBSE Class 10 Sample Paper 2027 Solution (Marking Scheme) for Home Science

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EXAM

CBSE Class 10

YEAR

2027

TYPE

Solutions

SUBJECT

Home Science

**HOME SCIENCE - Code No. 064**  
**MARKING SCHEME**  
**CLASS - X- (2026-27)**

Time:3 Hours

Max.Marks:70

| S.No. | SECTION A (MULTIPLE CHOICE QUESTIONS)                                                                                                                                                                                                                                                                                                                                                                                                                                   | MARKS |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1.    | (B) Pulses and legumes                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1     |
| 2.    | (C) Push and pull toys                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1     |
| 3.    | (A) Use labour saving devices                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1     |
| 4.    | (A) Enjoy tongue twister                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1     |
| 5.    | (C) Split heavy luggage into smaller bags                                                                                                                                                                                                                                                                                                                                                                                                                               | 1     |
| 6.    | (B) Transfer to glass jar                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1     |
| 7.    | (C) Choose whole grains instead of refined grains                                                                                                                                                                                                                                                                                                                                                                                                                       | 1     |
| 8.    | (A) Gum                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1     |
| 9.    | (A) Baking soda                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1     |
| 10.   | (C) Hold bowl by the edge                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1     |
| 11.   | (B) Metanil Yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1     |
| 12.   | (D) 1-III,2-IV,3-II,4-I                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1     |
| 13.   | (C) A is true, but R is false.                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1     |
| 14.   | (A) Both A and R are true, and R is the correct explanation of A.                                                                                                                                                                                                                                                                                                                                                                                                       | 1     |
|       | <b>SECTION B (VERY SHORT AND SHORT ANSWER QUESTIONS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| 15.   | <b>Gross motor development-</b><br>Refer to the development of big / large muscles<br><br><b>Any one</b><br><br><b>Example-</b><br><br>Running, Walking, Swimming, etc.<br><br><b>Any other, Any one</b>                                                                                                                                                                                                                                                                | 1X2=2 |
| 16 A. | <b>Examples of correct sequence of activities-</b><br><br>1.While cleaning the table after meals-<br>Collect all the plates of the same size → Put smaller plates on top of the bigger ones → Keep them on a tray → Put all spoons on sides of plates → Take them to kitchen → Now wipe the table<br>2.While washing the clothes-<br>Sorting → Soaking → Washing<br>3.While preparing vegetables for cooking-<br>Wash the vegetables → Peel them → Cut them → Cook them | 1X2=2 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                           |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 16B.  | <p><b>Any other, Any two</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>Examples of maintaining proper posture-</b></p> <ol style="list-style-type: none"> <li>1. Use long handled broom or mop for cleaning</li> <li>2. For drying clothes, put basket / bucket of washed clothes on high stool</li> <li>3. Bend at the knees, keep your back straight and hold the object close to the body while lifting</li> </ol> <p><b>Any other, Any two</b></p> | <p style="text-align: center;"><b>OR</b></p> <p>1X2=2</p> |
| 17.   | <p><b>Examples showing family traditions influence meal planning-</b></p> <ol style="list-style-type: none"> <li>1. During navratras people restrict onion and garlic</li> <li>2. Some people don't eat non-vegetarian food on Tuesday, Thursday and Saturday</li> <li>3. Some families cook food in mustard oil</li> </ol> <p><b>Any other, Any two</b></p>                                                                                                        | 1X2=2                                                     |
| 18A.  | <p><b>Labels at times are misleading for consumers because they are –</b></p> <ol style="list-style-type: none"> <li>1. not complete</li> <li>2. blurred</li> <li>3. not written in local language</li> </ol> <p><b>Any other, Any two</b></p> <p style="text-align: center;"><b>OR</b></p>                                                                                                                                                                         | 1X2=2                                                     |
| 18 B. | <p><b>Shopkeepers at times charge more than the Maximum Retail Price (MRP) because they -</b></p> <ol style="list-style-type: none"> <li>1. sell loose item and charge any price for them</li> <li>2. provide additional services such as home delivery</li> <li>3. are located in remote areas</li> </ol> <p><b>Any other, Any two</b></p>                                                                                                                         | 1X2=2                                                     |
| 19.   | <p><b>Consequences of not washing hands after handling raw fruits and vegetables freshly plucked from the farm -</b></p> <ol style="list-style-type: none"> <li>1. Food contamination</li> <li>2. Cross-contamination</li> </ol>                                                                                                                                                                                                                                    | 1X2=2                                                     |

|       |                                                                                                                                                                                                                                                                                                                                                                             |                                                           |
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|       | <p>3.Health risks such as diarrhoea, vomiting, etc.</p> <p><b>Any other, Any two</b></p>                                                                                                                                                                                                                                                                                    |                                                           |
| 20 A. | <p><b>Ways to save nutrients while cooking a meal.</b></p> <p>1.Wash vegetables before cutting<br/>2.Peel vegetables thinly<br/>3.Cover the food while cooking</p> <p><b>Any other, Any two</b></p>                                                                                                                                                                         | 1X2=2                                                     |
| 20 B. | <p style="text-align: center;"><b>OR</b></p> <p><b>Ways to create attractive and appealing meals-</b></p> <p>1.Use contrasting-coloured foods<br/>2.Cut vegetables in different shapes<br/>3.Use different methods of cooking</p> <p><b>Any other, Any two</b></p>                                                                                                          | <p style="text-align: center;"><b>OR</b></p> <p>1X2=2</p> |
| 21.   | <p><b>Precautions to ensure that the blue is applied correctly-</b></p> <p>1.Shirt should be made wet before dipping in the blue solution<br/>2.Do not pour blue solution directly onto the shirt<br/>3.If shirt becomes excessively blue, it should be dipped in plain water with few drops of vinegar or lime juice</p> <p><b>Any other, Any two</b></p>                  | 1X2=2                                                     |
| 22.   | <p><b>Energy management-</b></p> <p>Doing maximum work by spending minimum energy and without being fatigued or tired</p> <p><b>Any one</b></p> <p><b>Benefits of energy management-</b></p> <p>1.More productive work is done in less time<br/>2.Saves one from last minute confusion and tension<br/>3. Better quality of work is done</p> <p><b>Any one, Any two</b></p> | <p>1+2=3</p> <p>1</p> <p>1X2=2</p>                        |

[illegible]

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |
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| 25 B. | <p>2.washed and dried properly before storing<br/>3.stored with naphthalene balls or flakes/ camphor/ dried neem leaves</p> <p><b>Any other, Any two</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>I. Components of soap-</b></p> <p>1.Alkali<br/>2.Oil / Fats</p> <p><b>Any one</b></p> <p><b>II. Reasons of switching to a detergent -</b></p> <p>1.It dissolve in both hot and cold water<br/>2.It dissolve in hard water too<br/>3.Don't clog the drains</p> <p><b>Any other, Any two</b></p> | <p style="text-align: center;"><b>OR</b></p> <p>1+2=3<br/>1</p> <p>1x2=2</p> |
|       | <b>SECTION C (LONG ANSWER QUESTIONS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |
| 26.   | <p><b>Steps of making a time plan –</b></p> <p>1.List all the activities<br/>2.Group flexible and inflexible(fixed)activities<br/>3.Estimate / Allot the time required for performing each activity<br/>4.Balance the time plan<br/>5.Evaluate the time plan</p> <p><b>Any other, Any four</b></p>                                                                                                                                                                                                             | 1X4=4                                                                        |
| 27.   | <p><b>Ways used by fruit and vegetable seller to cheat consumers –</b></p> <p>1.Selling rotten/ stale vegetables<br/>2.Selling vegetables coated with harmful dyes/ colours/ chemicals<br/>3.Using hollow bottom weights/ Weights and measures without standard mark<br/>4.Pointers of weighing scale are missing/ not set at zero<br/>5.Using irregular weights/ bricks for weighing<br/>6.Weighing balance doesn't remain horizontal/ kept on tilted surface</p> <p><b>Any other, Any four</b></p>           | 1X4=4                                                                        |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 28A.  | <b>Features of adolescent's cognitive development-</b><br><br>1.Abstract Thinking<br>2.Propositional Thought /Logical Thinking<br>3.Hypothetical Deductive Reasoning<br>4.Systematic Thinking<br>5.Idealism<br>6.Personal Fable<br><br><b>Any other, Any four</b>                                                                                                                                                                                                                             | 1X4=4                                                       |
|       | <b>OR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>OR</b>                                                   |
| 28 B. | <b>Features of 5-year-old child's physical development-</b><br><br>1.Grow 2 to 3 inches per year<br>2.Gain 2 to 3 kg per year<br>3.Have 20 milk teeth<br>4.Body becomes more proportionate to their head<br>5.Arms and trunk become longer<br>6.Shoulders become squarish<br><br><b>Any other, Any four</b>                                                                                                                                                                                   | 1X4=4                                                       |
| 29.   | <b>I. Methods to enhance the nutrient content of meals-</b><br><br>1.Sprouting<br>2.Combination of food<br>3.Fermentation<br>4.Parboiling<br><br><b>Any other, Any two</b><br><br><b>II. Examples to show how season influence meal planning-</b><br><br>1.In warm weather light, cool and refreshing meals are preferred<br>2.In cold weather hot, spicy and energy giving food are preferred<br>3.In monsoon weather easily, digestible foods are selected<br><br><b>Any other, Any two</b> | 2+2=4<br>1X2=2<br><br><br><br><br><br><br><br><br><br>1X2=2 |
| 30.   | <b>Characteristics of kitchen work surface-</b><br><br>It should be-<br>1.non-absorbent.<br>2.washable                                                                                                                                                                                                                                                                                                                                                                                        | 1X4=4                                                       |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|       | <p>3.without cracks.<br/>4.durable<br/>5.heat and stain resistant<br/>6.attractive</p> <p><b>Any other, Any four</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 31 A. | <p><b>Precautions to be followed when using a chemical / reagent to remove a stain-</b></p> <p>1.Effects of chemical should be tested on a hidden corner of the garment.<br/>2.Chemical / reagent should be applied from the back of the stained garment.<br/>3.Several mild applications of a chemical / reagent should be preferred over one strong application.<br/>4.The chemical / reagent should be applied in a circular movement starting from outer edge to centre.<br/>5.All the chemicals / reagents should be neutralized.<br/>6.Traces of chemicals / reagents should be rinsed immediately.<br/>7.Choose suitable chemical / reagent according to the garment fabric.</p> <p><b>Any other, Any five</b></p>                                                                                                                                                                                                                                                                                                                     | 1x5=5                                                     |
| 31 B. | <p style="text-align: center;"><b>OR</b></p> <p><b>Methods used for removing stains from fabrics-</b></p> <p>1. Scraping<br/>It is used to lift off excess staining material and to loosen caked on stains. This can be done using a blunt knife.<br/>2. Dipping<br/>The stained area is dipped into the reagent and gently scrubbed. It is suitable for a fabric with many stains or one large stain.<br/>3. Sponging<br/>The stained area is placed on a flat surface. Reagent is applied with a sponge on the stained area and absorbed by the blotting paper laid underneath. The reagent should be worked in a circular movement starting from the outer edge of the stain to the centre.<br/>4. Dropping<br/>The stained cloth is stretched over a bowl. The reagent is put on wrong(reverse) side of the fabric gradually with a help of dropper, followed by other steps of laundry.<br/>5.Steaming method<br/>The stained area is exposed to steam from the boiling water.</p> <p><b>Five methods with 1-2 lines explanation</b></p> | <p style="text-align: center;"><b>OR</b></p> <p>1x5=5</p> |

