# Question Paper Design

**Subject:** Home Science  
**Class:** Secondary New course  
(Revised on 13 Oct. 2004)  
**Paper:** Theory  
**Time:** 2 1/2 Hrs.  
**Marks:** 85

## 1. Weightage by Objectives

<table>
<thead>
<tr>
<th>Objective</th>
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<tbody>
<tr>
<td>Percentage of marks</td>
<td>30%</td>
<td>49%</td>
<td>21%</td>
<td>100%</td>
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<tr>
<td>Marks</td>
<td>25</td>
<td>42</td>
<td>18</td>
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## 2. Weightage to form of Questions

<table>
<thead>
<tr>
<th>Forms of Questions</th>
<th>LA/E</th>
<th>SA</th>
<th>VSA</th>
<th>OBJ</th>
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<tbody>
<tr>
<td>No. of Questions</td>
<td>7</td>
<td>9</td>
<td>8</td>
<td>7</td>
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<tr>
<td>Marks Allotted</td>
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<td>27</td>
<td>16</td>
<td>7</td>
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## 3. Weight age to content

<table>
<thead>
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<tr>
<td>1</td>
<td>What is Home Science</td>
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<td>2</td>
<td>The Food That We Eat</td>
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<td>12</td>
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<td>3</td>
<td>Fibres And Fabric</td>
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<td>10</td>
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<td>4</td>
<td>Home Maintenance</td>
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<td>5</td>
<td>Health And Environment</td>
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<td>12</td>
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<td>6</td>
<td>My Family</td>
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<td>7</td>
<td>Family Resources</td>
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<td>12</td>
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<td>8</td>
<td>Rights and Responsibilities</td>
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<td><strong>Total</strong></td>
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## 4. Scheme of evaluation

- **Theory**  
  85 Marks
- **Practical**  
  15 Marks

## 5. Practical evaluation

<table>
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<tr>
<td>2 Practicals (from different units) 2x4=8</td>
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<tr>
<td>Practical/Activity File (as proposed for TMA)</td>
<td>3</td>
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<td>Viva</td>
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<td>What is Home Science</td>
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<td>The food that we eat</td>
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<td>Fiber to Fabric</td>
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<td>Family Resources</td>
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<td>Rights and Responsibilities</td>
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Total No. of Question asked

Total Marks

- E = 7, 7x5 = 35
- SA = 9, 9x3 = 27
- VSA = 8, 8x2 = 16
- Obj = 7, 7x1 = 7

Total = **31** Marks = **85**
Note: All Questions are compulsory

Max Marks -85
Time 2 ½ hrs.

1. In order to give a diet containing good quality protein to your family, you can use.
   (a) germination
   (b) combination
   (c) fermentation
   (d) conservation

1. Name the common part present in iron toaster and geyser, which works as safeguard against overheating.
   (a) thermostat
   (b) fuse
   (c) cord
   (d) switch

3. Malaria can be diagnosed by testing
   (a) blood
   (b) urine
   (c) stool
   (d) spit

4. A child of 3 years old can speak sentences made of
   (a) 3-4 words
   (b) 5-6 words
   (c) 7-8 words
   (d) 10-12 words

5. The maximum energy-giving nutrient is
   (a) Minerals
   (b) Proteins
   (c) Carbohydrates
   (d) Fats

6. You will generally not find water closets in villages because they
   (a) Need experts to construct
   (b) Need a lot of water
   (c) Are difficult to use
   (d) Are a western form of latrine

7. An example of human resource is
8. Give one reason why
   (a) You cannot use nylon for making towels
   (b) A silk saree cannot be scrubbed hard while washing.

9. Write four problems seen in society due to the lack of values.

10. After doing Home Science, Rita is looking for jobs. Educate her about four areas where she can get employment.

11. Which two diseases spread through infected food and water? How can these be controlled?

12. Which cleaning material can Mala use to clean bathroom tiles and brass taps in her home?

13. List any four possible conditions when Rahul can become a victim of poisoning.

14. List any two qualities you would look for, while buying a bed sheet.

15. Lokesh is 30 yrs. old. He wants to save his money for future use. He is thinking of either buying jewelry or investing in Public Provident Fund. Help him make a decision, giving at least two advantages for your choice.

16. State any three qualities a fabric for rainy season should have.

17. Mention any four diseases that spread through air. Suggest one measure you could take to prevent the spread of such diseases.

18. What are the three most common signs of pregnancy?

19. Support these three statements with the help of an example each.
   Development occurs
   a) from head to legs
   b) from centre of body towards outside.
   c) at different rate at different age levels.

20. Give three reasons why you think preserving food is necessary?

21. Name any four types of fabrics available in the market. Compare any two on the basis of their heat conduction property.

22. Which six qualities should you check before buying a readymade suit for your mother?

23. Your friend Roop has just become pregnant. Keeping in mind the statement that ‘only a healthy woman gives birth to a healthy baby’,
24. Radha wants to decorate her home with the help of pictures. Which three steps of planning she should keep in mind, before evaluating the decoration of her house?

25. Why are consumer aids important to a consumer? Describe any two such aids.

26. What are the major points you must keep in mind while selecting a house?

27. How will you help your younger sister to prepare for marriage?

28. Convince your friend about the need to save money from her monthly expenditure.

29. There was a fire at Sheela’s house. Identify six possible causes for this.

30. Point out four nutritional requirements of adolescent girls staying in a hostel. Suggest two dishes which will be appropriate for them. Give justification for your choice.

31. Describe the removal of garbage from your home. How frequently do you remove it? Why? What precaution will you take if you have to keep it for a day? Why?
## Answers

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<td>8</td>
<td>a) Does not absorb moisture easily.</td>
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<td>b) Silk loses strength when wet.</td>
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<td>Problems -</td>
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<td>1. Lack of punctuality in schools, offices, shops.</td>
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<td>2. Disrespect to elders, parents, teachers, employees etc.</td>
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<td>3. Gender discrimination</td>
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<td>4. Indiscreet use and wastage of resources</td>
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<td>6. Insensitive to the needs of disadvantaged</td>
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<td>Ans. 10</td>
<td>She can get employed in</td>
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<td></td>
<td>i) Polytechnics</td>
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<td>ii) Industrial Training Institute</td>
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<td>iii) Institute of Hotel Management</td>
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<td>iv) Angan wadi/Balwadi Centres</td>
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<td>v) Home Science Colleges</td>
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<td>vi) Schools offering Home Science and Vocational Courses.</td>
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<td>Ans. 11</td>
<td>Diseases – diarrhoea, Cholera, Jaundice</td>
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<td>Precautions – Drink boiled or treated water.</td>
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<td>keep all food covered to prevent contamination by flies.</td>
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<td>Ans. 12</td>
<td>For Bathroom tiles</td>
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<td>Soap, Vim, Water</td>
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<td>For Brass taps</td>
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<td>Tamarind/lemon/dry mango powder</td>
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<td>1+1 = 2</td>
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<td>Ans. 13</td>
<td>i) Consuming expired medicines</td>
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<td>ii) Handling insecticides in kitchen.</td>
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<td>iii) Eating unwashed fruits and vegetables.</td>
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<td>iv) Drinking contaminated water.</td>
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<td>v) Eating contaminated food.</td>
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<td>vi) Acids and alkalis.</td>
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Ans. 14 i) colour fastness
   ii) strength of the fabric
   iii) softness of bedsheet – matched
   iv) colour of bedsheet – matched with colour of rooms/curtains.

Ans. 15 He should invest in PPF because
   a) he gets a tax rebate
   b) he can take a loan against it
   c) small amount of money is deducted every month
   d) employer also puts in the same amount of money

Ans. 16 i) It should dry fast.
   ii) It should not wrinkle when wet.
   iii) It should not lose strength when wet.
       It should be of a fast colour.

Ans. 17 Four diseases
   Influenza, Diphtheria
   Measles, Mumps or any other

   Measures
   Cover mouth while coughing or sneezing.

Ans. 18 i) Missed period
   ii) Morning sickness/nausea
   iii) Increase in frequency of urination
   iv) Changes in the breast.
   v) Digestive upsets.

Ans. 19 a) First, the child gains control over the head, then the child gains control of the trunk and then is able to sit and then stand.
   b) In the beginning, child grasps toys with whole body, then both arms, then both hands, then only with fingers.
   c) In the first six years of life and adolescence the pace of growth is very fast but slows down during childhood and later years.

Ans: 20 - Adds variety in the diet
         - Makes food easy to store.
         Food can be made available everywhere.

Ans: 21 Fabrics available
   Cotton/Wool/Silk/Nylon/Polyester/Rayon  (Any 4)

   Cotton/rayon is a good conductor of heat and keeps the body cool.
Wool/Silk/Nylon/Polyester are bad conductors of heat and keep the body warm.

Ans. 22  
a) Seams should be finished properly  
b) Seam allowance should be adequate  
c) Garment should be stitched on the grainline.  
d) Fasteners firmly stitched  
e) Finishing of garment should be satisfactory  
f) Quality of fabric should be good.  

Ans. 23  
a) Eat a dry piece of toast/ biscuit before getting up from bed to avoid morning sickness  
b) Eat raw salads, fruits and drink plenty of fluids to avoid constipation  
c) Eat regular and balanced diet  
d) Avoid spicy and fried food that increases digestive upsets  
e) Eat small but frequent meals  
f) Eat last meal at least 2-3 hours before bed time  

(Any three)  

Ans. 24  
i) Planning- Activities have been properly listed and sequenced  
ii) Organizing- Responsibilities have been fixed and all the resources have been collected and assembled.  
iii) Implementing- Activities have been implemented as per the planning and organizing.  

Ans. 25  
A consumer aid is anything written or illustrated that helps and guides a consumer in selecting a product he/she wants to buy.

Describe any two of the following -  
i) standardization marks  
ii) labels and catalogues  
iii) packages  
v) advertisement  

Ans. 26 Points to consider  
- adequate sunlight  
- proper ventilation  
- clean surroundings  
- no loud noise  
- good locality with basic amenities like school markets, hospital, post-office, bank etc.  
- budget  
- according to requirements  

(Any 5)  

Ans. 27 You will  
i) help her to develop confidence in herself.  
ii) inculcate in her a healthy respect for the opposite sex  
iii) explain to her the reproductive system.  
iv) Educate her about the reproductive system  

1+2 = 3  
½ x 6  
1x 3 = 3  
1x 1=1  
2x2=4  
1 + 4 = 5  
1X5 = 5  
1X5=5
v) Emphasize the importance of child spacing and breast feeding

Ans. 28 Your friend must save money every month because she will need it for-

i) education of children
ii) marriage of children
iii) emergencies such as medical needs/damage to property etc.
iv) making her family life comfortable.

Ans. 29 i) misuse of matches, hot ashes/ cigarettes thrown carelessly
ii) carelessness while lighting/pumping stove.
iii) unattended stove
iv) gas leakage
v) sparking in faulty wiring in kitchen

Ans. 30 Specific requirements

- energy giving (more calories)
- more protein
- more minerals and vitamins
- attractive, nutritious snacks.

Suggestions

- stuffed parantha with chutney
- stuffed kulcha with chole
- vegetable sandwiches
- mixed vegetable raita
- peanut chikki
- stuffed omlette
- idli sambhar

Justification for the choice to be given

31. Removal – kitchen dustbins municipality dustbin
    Frequency - at least daily
    Reason - garbage decays and produces foul smell
    Precaution - collect in a clean dustbin, keep covered
    Reason - dirty dustbin attracts insects, cockroaches, fires, spreads foul smell.